WATERLOO METRO QUARTER OVER STATION DEVELOPMENT

Environmental Impact Statement
Appendix PP – Contaminated Sites Strategy Report

SSD-10437 Southern Precinct and
SSD-10438 Basement Car Park

Detailed State Significant Development
Development Application

Prepared for **Waterloo Developer Pty Ltd**

[30 September] 2020

Reference	Description
Applicable SSD Applications	SSD-10437 Southern Precinct SSD-10438 Basement Carpark
Author	Douglas Partners Pty Ltd Nerilee Edwards and Tim Wright
Reviewed	Waterloo Developer Pty Ltd Sally Reynolds
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Table of Contents

List of Figures

List of Tables

1. Glossary and abbreviations

Reference	Description
ACHAR	Aboriginal Cultural Heritage Assessment Report
ADG	Apartment Design Guide
AHD	Australian height datum
AQIA	Air Quality Impact Assessment
BC Act	Biodiversity Conservation Act 2016
BCA	Building Code of Australia
BC Reg	Biodiversity Conservation Regulation 2017
BDAR	Biodiversity Development Assessment Report
CEEC	critically endangered ecological community
CIV	capital investment value
CMP	Construction Management Plan
Concept DA	A concept DA is a staged application often referred to as a 'Stage 1' DA. The subject application constitutes a detailed subsequent stage application to an approved concept DA (SSD 9393) lodged under section 4.22 of the EP&A Act.
CQA	Construction Quality Assurance Plan
Council	City of Sydney Council
CPTED	Crime Prevention Through Environmental Design
CSSI approval	critical State significant infrastructure approval
CTMP	Construction Traffic Management Plan
DA	development application
DP	Douglas Partners Pty Ltd
DPIE	NSW Department of Planning, Industry and Environment
DRP	Design Review Panel
EP&A Act	Environmental Planning and Assessment Act 1979
EPA	NSW Environment Protection Authority
EPA Regulation	Environmental Planning and Assessment Regulation 2000

Reference	Description
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999
ESD	ecologically sustainable design
GANSW	NSW Government Architect's Office
GFA	gross floor area
HIA	Heritage Impact Assessment
IAP	Interchange Access Plan
LGA	Local Government Area
NCC	National Construction Code
OSD	over station development
PIR	Preferred Infrastructure Report
POM	Plan of Management
PSI	Preliminary Site Investigation
RAP	Remediation Action Plan
RMS	Roads and Maritime Services
SAR	Site Audit Report(s)
SAS	Site Audit Statement(s)
SEARs	Secretary's Environmental Assessment Requirements
SEPP	State Environmental Planning Policy
SEPP 55	State Environmental Planning Policy No 55—Remediation of Land
SEPP 65	State Environmental Planning Policy No. 65 – Design Quality of Residential Apartment Development
SRD SEPP	State Environmental Planning Policy (State and Regional Development) 2009
SREP Sydney Harbour	State Regional Environmental Plan (Sydney Harbour Catchment) 2005
SSD	State significant development
SSD DA	State significant development application
SLEP	Sydney Local Environmental Plan 2012

Reference	Description
Transport for NSW	Transport for New South Wales
TIA	Traffic Impact Assessment
The proposal	The proposed development which is the subject of the detailed SSD DA
The site	The site which is the subject of the detailed SSD DA
VIA	Visual Impact Assessment
WMQ	Waterloo Metro Quarter
WMP	Waste Management Plan
WSUD	water sensitive urban design

2. Executive summary

This report has been prepared by Douglas Partners Pty Ltd to accompany a detailed State significant development (SSD) development application (DA) for the following Precincts; Southern Precinct and Basement Car Park over station development (OSD) at the Waterloo Metro Quarter site.

This report has been prepared to address the relevant conditions of the concept SSD DA (SSD 9393) and the Secretary's Environmental Assessment Requirements (SEARs) issued for the detailed SSD DA (SSD 10437 and SSD 10438).

This report concludes that the strategy proposed herein is suitable to address the requirements of SEPP 55 for the Southern Precinct and Basement Car Park OSD. The described strategy is also required to satisfy the CSSI 7400 conditions of approval to remediate the site to a standard suitable for the proposed development prior to the commencement of the SSD DA (SSD 10437 and SSD 10438).

3. Introduction

This report has been prepared to accompany a detailed State significant development (SSD) development application (DA) for the following precincts: Southern Precinct and Basement Car Park over station development (OSD) at the Waterloo Metro Quarter site. The detailed SSD DA is consistent with the concept approval (SSD 9393) granted for the maximum building envelope on the site, as proposed to be modified.

The Minister for Planning, or their delegate, is the consent authority for the SSD DA and this application is lodged with the NSW Department of Planning, Industry and Environment (DPIE) for assessment.

The detailed SSD DA seeks development consent for the design, construction and operation of:

Southern Precinct

- 25-storey residential building (Building 3) comprising student accommodation, to be delivered as a mixture of studio and twin apartments with approximate capacity of 474 students
- 9-storey residential building (Building 4) above the southern station box to accommodate 70 social housing dwellings
- ground level retail tenancies including Makerspace and gymnasium lobby, and loading facilities
- level 1 and level 2 gymnasium and student accommodation communal facilities
- landscaping and private and communal open space at podium and roof top levels to support the residential accommodation
- new public open space including the delivery of the Cope Street Plaza, including vehicle access to the site via a shared way from Cope Street, expanded footpaths on Botany and Wellington streets and public domain upgrades
- signage zone locations
- utilities and service provision
- stratum subdivision (staged).

Basement Car Park

- 2-storey shared basement car park and associated excavation
- Ground level structure
- carparking for the commercial Building 1, residential Building 2, social housing Building 4, Waterloo Congregational Church and Sydney Metro
- service vehicle spaces
- commercial end-of-trip and bicycle storage facilities
- retail end-of-trip and bicycle storage facilities
- residential storage facilities
- shared plant and services.

This report has been prepared in response to the requirements contained within the Secretary's Environmental Assessment Requirements (SEARs) dated 8 April 2020 and 9 April 2020 and issued for the detailed SSD DA. Specifically, this report has been prepared to respond to the SEARs requirements summarised below.

Item	Description of requirement	Section reference (this report)
Southern Precinct (SSD-10437)		
1.	State Environmental Planning Policy No. 55 – Remediation of Land	Section 9
15.	Contamination and Remediation The EIS shall: - address the provisions of SEPP 55 - demonstrate the suitability of the site for the proposed use having regard to contamination and remediation	 Section 9 Section 7 & Section 10
Plans and Documents	Contamination and remediation report (including any site audits, soil specification where relevant)	Section 7 Appendix A Appendix B Appendix C
Basement Car Park (SSD-10438)		
1.	State Environmental Planning Policy No. 55 – Remediation of Land	Section 9
13.	Contamination and Remediation The EIS shall: - address the provisions of SEPP 55 - demonstrate the suitability of the site for the proposed use having regard to contamination and remediation	 Section 9 Section 7 & Section 10
Plans and Documents	Contamination and remediation report (including any site audits, soil specification where relevant)	Section 7 Appendix A Appendix B Appendix C

Table 1 - SEARs requirements

This report has also been prepared in response to the following conditions of consent issued for the concept SSD DA (SSD 9393) for the OSD as summarised in the table below.

4. The site

The site is located within the City of Sydney Local Government Area (LGA). The site is situated about 3.3 kilometres south of Sydney CBD and eight kilometres northeast of Sydney International Airport within the suburb of Waterloo.

The Waterloo Metro Quarter site comprises land to the west of Cope Street, east of Botany Road, south of Raglan Street and north of Wellington Street (refer to Figure 1). The heritage-listed Waterloo Congregational Church at 103–105 Botany Road is within this street block but does not form a part of the Waterloo Metro Quarter site boundaries.

The Waterloo Metro Quarter site is a rectangular shaped allotment with an overall site area of approximately 1.287 hectares.

The Waterloo Metro Quarter site comprises the following allotments and legal description at the date of this report. Following consolidation by Sydney Metro (the Principal) the land will be set out in deposited plan DP1257150.

- 1368 Raglan Street (Lot 4 DP 215751)
- 59 Botany Road (Lot 5 DP 215751)
- 65 Botany Road (Lot 1 DP 814205)
- 67 Botany Road (Lot 1 DP 228641)
- 124-128 Cope Street (Lot 2 DP 228641)
- 69-83 Botany Road (Lot 1, DP 1084919)
- 130-134 Cope Street (Lot 12 DP 399757)
- 136-144 Cope Street (Lots A-E DP 108312)
- 85 Botany Road (Lot 1 DP 27454)
- 87 Botany Road (Lot 2 DP 27454)
- 89-91 Botany Road (Lot 1 DP 996765)
- 93-101 Botany Road (Lot 1 DP 433969 and Lot 1 DP 738891)
- 119 Botany Road (Lot 1 DP 205942 and Lot 1 DP 436831)
- 156-160 Cope Street (Lot 31 DP 805384)
- 107-117A Botany Road (Lot 32 DP 805384 and Lot A DP 408116)
- 170-174 Cope Street (Lot 2 DP 205942).

The detailed SSD DA applies to the Southern Precinct and Basement Car Park (the site) of the Waterloo Metro Quarter site. The site has an area of approximately 4830sqm and 5,700sqm. The subject site comprises the following allotments and legal description at the date of this report.

Southern Precinct DA

- 130–134 Cope Street (Lot 12 DP 399757) (Part)
- 136–144 Cope Street (Lots A-E DP 108312) (Part)
- 93–101 Botany Road (Lot 1 DP 433969 and Lot 1 DP 738891) (Part)
- 156–160 Cope Street (Lot 31 DP 805384)
- 107–117A Botany Road (Lot 32 DP 805384 and Lot A DP 408116)

- 119 Botany Road (Lot 1 DP 205942 and Lot 1 DP 436831)
- 170–174 Cope Street (Lot 2 DP 205942).

Basement Car Park DA

- 1368 Raglan Street (Lot 4 DP 215751) (Part)
- 59 Botany Road (Lot 5 DP 215751) (Part)
- 65 Botany Road (Lot 1 DP 814205) (Part)
- 67 Botany Road (Lot 1 DP 228641) (Part)
- 124–128 Cope Street (Lot 2 DP 228641) (Part)
- 69–83 Botany Road (Lot 1, DP 1084919)
- 130–134 Cope Street (Lot 12 DP 399757) (Part)
- 136–144 Cope Street (Lots A-E DP 108312) (Part)
- 85 Botany Road (Lot 1 DP 27454)
- 87 Botany Road (Lot 2 DP 27454)
- 89–91 Botany Road (Lot 1 DP 996765)
- 93–101 Botany Road (Lot 1 DP 433969 and Lot 1 DP 738891) (Part).

The boundaries of the overall site are identified at Figure 1, and the subject site of the detailed SSD DA is identified at Figures 2 and 3. The site is reasonably flat with a slight fall to the south.

The site previously included three to five storey commercial, light industrial and shop top housing buildings. All previous structures except for an office building at the corner of Botany Road and Wellington Street have been demolished to facilitate construction of the new Sydney Metro Waterloo station. As such the existing site is predominately vacant and being used as a construction site. Construction of the Sydney metro is currently underway on site in accordance with critical State significant infrastructure approval (CSSI 7400).

Figure 1 - Aerial image of the site
Source: Urbis

The area surrounding the site consists of commercial premises to the north, light industrial and mixed-use development to the south, residential development to the east and predominantly commercial and light industry uses to the west.

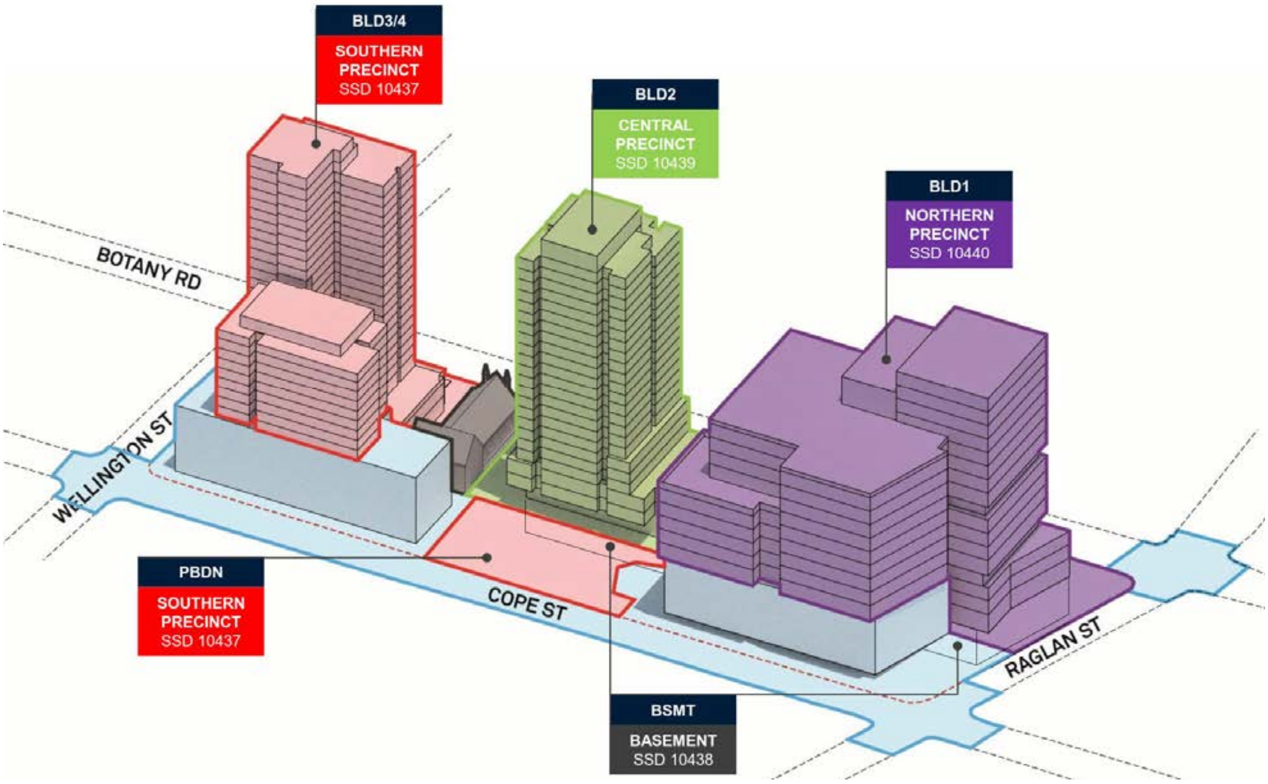

Figure 2 - Waterloo Metro Quarter site, with sub-precincts identified
Source: HASSELL

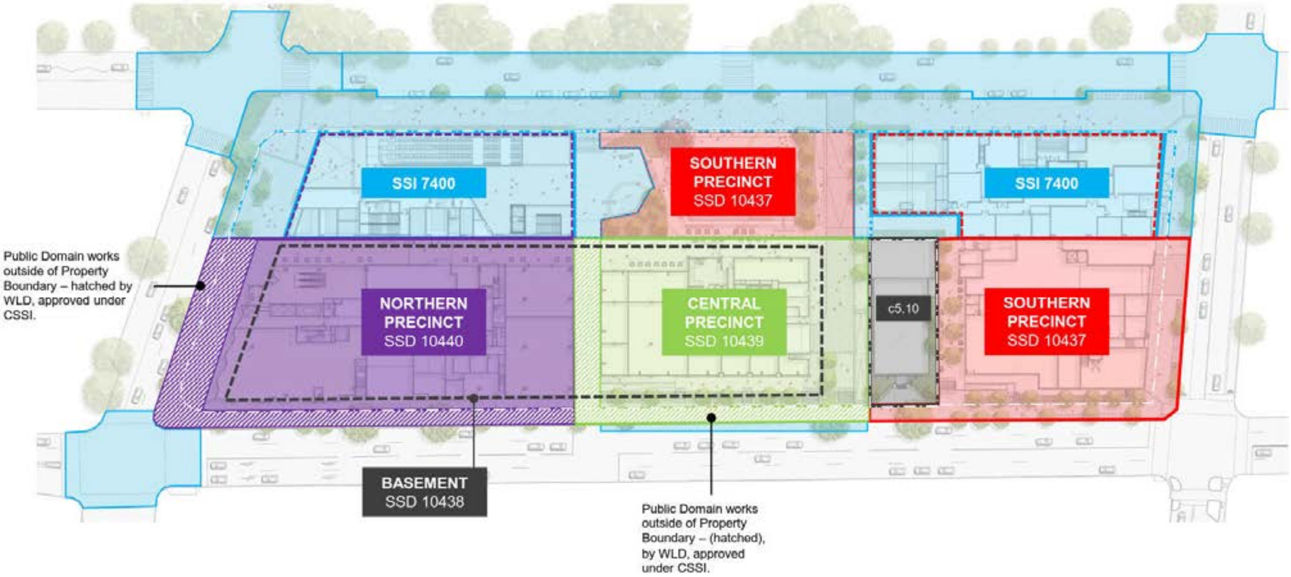

Figure 3 - Waterloo Metro Quarter site, with sub-precincts identified
Source: Waterloo Developer Pty Ltd

5. Background

5.1 About Sydney Metro

Sydney Metro is Australia's biggest public transport project. Services started in May 2019 in the city's North West with a train every four minutes in the peak. A new standalone railway, this 21st century network will revolutionise the way Sydney travels.

There are four core components:

5.1.1 Sydney Metro North West

This project is now complete and passenger services commenced in May 2019 between Rouse Hill and Chatswood, with a metro train every four minutes in the peak. The project was delivered on time and $1 billion under budget.

5.1.2 Sydney Metro City & Southwest

Sydney Metro City & Southwest project includes a new 30km metro line extending metro rail from the end of Metro Northwest at Chatswood, under Sydney Harbour, through new CBD stations and southwest to Bankstown. It is due to open in 2024 with the ultimate capacity to run a metro train every two minutes each way through the centre of Sydney.

Sydney Metro City & Southwest will deliver new metro stations at Crows Nest, Victoria Cross, Barangaroo, Martin Place, Pitt Street, Waterloo and new underground metro platforms at Central Station. In addition, it will upgrade and convert all 11 stations between Sydenham and Bankstown to metro standards.

5.1.3 Sydney Metro West

Sydney Metro West is a new underground railway connecting Greater Parramatta and the Sydney CBD. This once-in-a-century infrastructure investment will transform Sydney for generations to come, doubling rail capacity between these two areas, linking new communities to rail services and supporting employment growth and housing supply between the two CBDs.

The locations of seven proposed metro stations have been confirmed at Westmead, Parramatta, Sydney Olympic Park, North Strathfield, Burwood North, Five Dock and The Bays.

The NSW Government is assessing an optional station at Pyrmont and further planning is underway to determine the location of a new metro station in the Sydney CBD.

5.1.4 Sydney Metro Greater West

Metro rail will also service Greater Western Sydney and the new Western Sydney International (Nancy Bird Walton) Airport. The new railway line will become the transport spine for the Western Parkland City's growth for generations to come, connecting communities and travellers with the rest of Sydney's public transport system with a fast, safe and easy metro service.

The Australian and NSW governments are equal partners in the delivery of this new railway.

The Sydney Metro project is illustrated below.

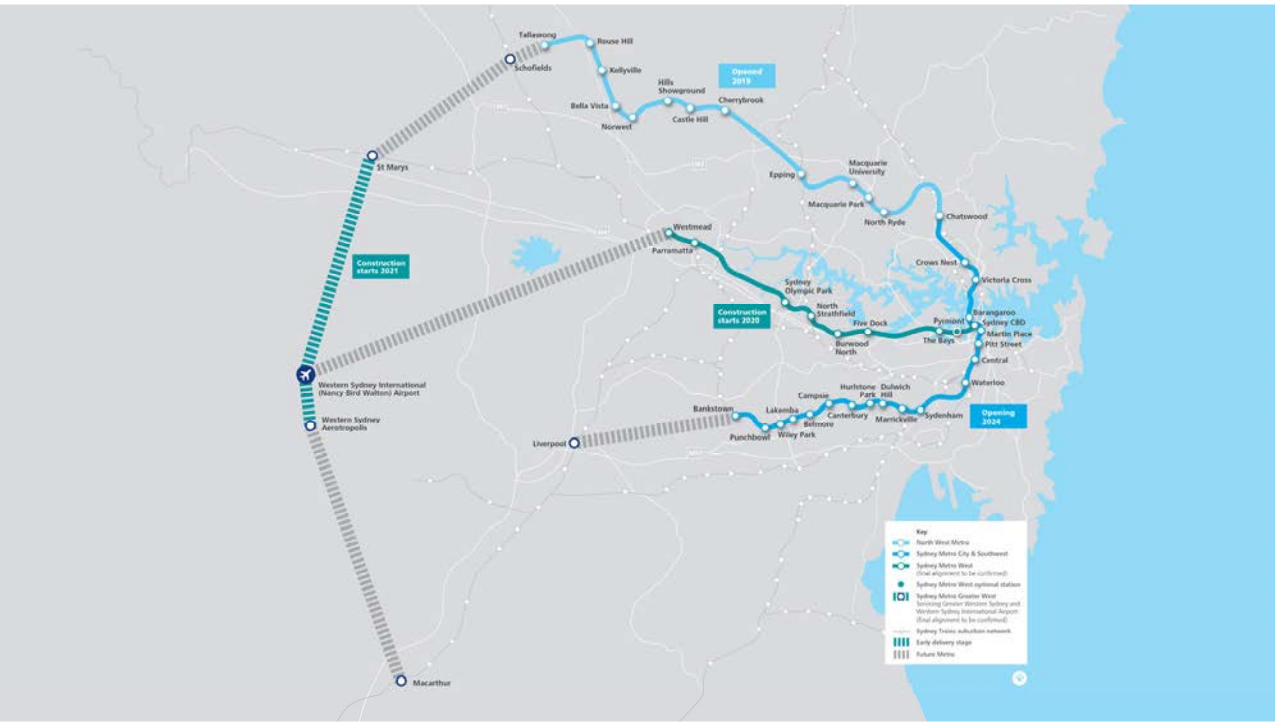

Figure 4 - Sydney Metro alignment map
Source: Sydney Metro

5.2 Sydney Metro CSSI Approval (SSI 7400)

On 9 January 2017, the Minister for Planning approved the Sydney Metro City & Southwest - Chatswood to Sydenham project as a critical State significant infrastructure (CSSI) project (reference SSI 7400) (CSSI approval). The terms of the CSSI approval includes all works required to construct the Sydney Metro Waterloo Station. The CSSI approval also includes the construction of below and above ground works within the metro station structure for appropriate integration with the OSD.

With regards to CSSI related works, any changes to the ‘metro station box’ envelope and public domain will be pursued in satisfaction of the CSSI conditions of approval and do not form part of the scope of the concept SSD DA or detailed SSD DA for the OSD.

Except to the extent described in the EIS or Preferred Infrastructure Report (PIR) submitted with the CSSI application, any OSD buildings and uses do not form part of the CSSI approval and will be subject to the relevant assessment pathway prescribed by the EP&A Act.

The delineation between the approved Sydney Metro works, generally described as within the two ‘metro station boxes’ and surrounding public domain works, and the OSD elements are illustrated in Figure 5.

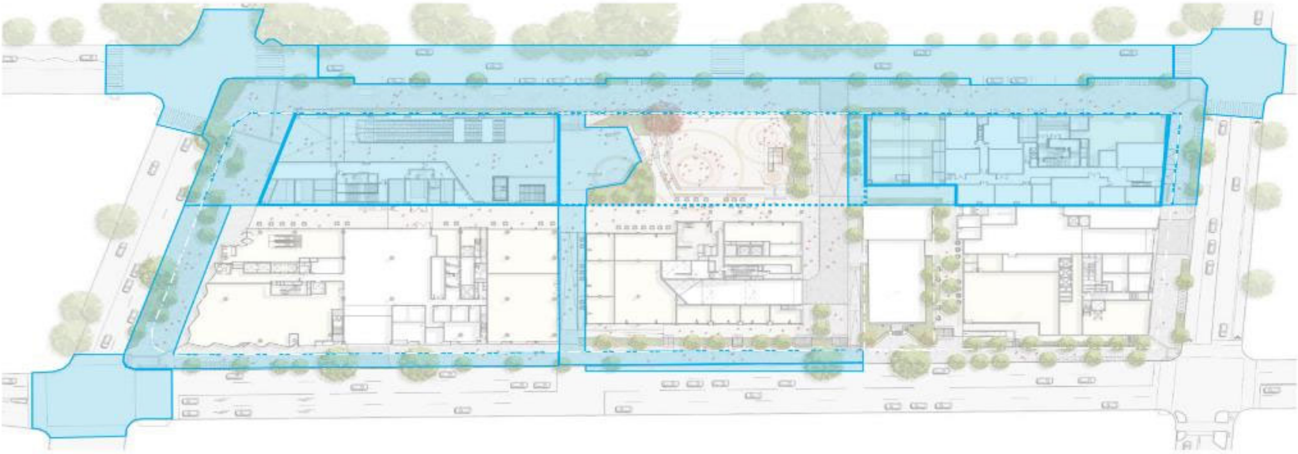

Figure 5 - CSSI Approval scope of works
Source: WL Developer Pty Ltd

5.3 Concept Approval (SSD 9393)

As per the requirements of clause 7.20 of the *Sydney Local Environmental Plan 2012* (SLEP), as the OSD exceeds a height of 25 metres above ground level (among other triggers), development consent is first required to be issued in a concept DA (formerly known as Stage 1 DA).

Development consent was granted on 10 December 2019 for the concept SSD DA (SSD 9393) for the Waterloo Metro Quarter OSD including:

- a maximum building envelope for podium, mid-rise and tower buildings
- a maximum gross floor area of 68,750sqm, excluding station floor space
- conceptual land use for non-residential and residential floor space
- minimum 12,000sqm of non-residential gross floor area including a minimum of 2,000sqm of community facilities
- minimum 5% residential gross floor area as affordable housing dwellings
- 70 social housing dwellings
- basement car parking, motorcycle parking, bicycle parking, and service vehicle spaces.

The detailed SSD DA seeks development consent for the OSD located within the Southern Precinct and Basement Car Park of the site, consistent with the parameters of this concept approval. Separate SSD DAs have been prepared and will be submitted for the Central and Northern precincts proposed across the Waterloo Metro Quarter site.

A concurrent amending concept SSD DA has been prepared and submitted to the DPIE which proposed to make modifications to the approved building envelopes at the northern precinct and central building. This amending concept SSD DA does not impact the proposed development within the southern precinct.

6. Proposed development

6.1 Waterloo Metro Quarter Development

The Waterloo Metro Quarter OSD comprises four separate buildings, a basement carpark and public domain works adjacent to the Waterloo Metro station.

Separate SSD DAs will be submitted concurrently for the design, construction and operation of each building in the precinct;

- Southern precinct SSD-10437,
- Basement Car Park SSD-10438,
- Central precinct SSD-10439, and
- Northern precinct-SSD-10440.

An overview of the Development is included below for context. This detailed SSD DA seeks development consent for the design, construction and operation of the Southern Precinct and Basement Car Park

6.1.1 Southern Precinct

The Southern Precinct comprises:

- 25-storey residential building (Building 3) comprising student accommodation, to be delivered as a mixture of studio and twin apartments with approximate capacity of 474 students
- 9 storey residential building (Building 4) above the southern station box to accommodate 70 social housing dwellings
- ground level retail tenancies including Makerspace and gymnasium lobby, and loading facilities
- level 1 and level 2 gymnasium and student accommodation communal facilities
- landscaping and private and communal open space at podium and roof top levels to support the residential accommodation
- new public open space including the delivery of the Cope Street Plaza, including vehicle access to the site via a shared way from Cope Street, expanded footpaths on Botany and Wellington Streets and public domain upgrades
- signage zone locations
- utilities and service provision
- stratum subdivision (staged).

6.1.2 Basement Car Park

The Basement Car Park comprises:

- 2-storey shared basement car park and associated excavation comprising
- Ground level structure
- Carparking for the Commercial Building 1, Residential Building 2, social housing Building 4, Waterloo Congregational Church and Sydney Metro
- Service vehicle bays

- commercial end of trip and bicycle storage facilities
- Retail end of trip and bicycle storage facilities
- residential storage facilities
- shared plant and services.

7. Contaminated Sites Strategy

7.1 Introduction

This strategy has been prepared by Douglas Partners Pty Ltd (DP) to address the requirements for managing contamination identified at the Waterloo Metro Quarter Development Site, Botany Road, Waterloo (the WMQ). This strategy has been prepared with reference to the Critical State Significant Infrastructure Sydney Metro City & Southwest Chatswood to Sydenham Conditions of Approval, 2017 (CSSI 7400) and State Environmental Planning Policy No 55 - Remediation of Land (SEPP 55).

The WMQ comprises land to the west of Cope Street, east of Botany Road, south of Raglan Street and north of Wellington Street. The heritage-listed Waterloo Congregational Church at 103-105 Botany Road is within this street block but does not form a part of the WMQ site.

7.2 Site Sub-Areas

For the purposes of the regulation of contaminated land management, the site can be considered in two portions. The portions comprise:

- Waterloo Metro Station Box (the Station Box), comprising the below ground level development in the area shaded yellow on Figure 1;
- The OSD, the area excluding the Station Box, comprising:
    - Above ground level development in the area shaded yellow on Figure 6: and
    - The area not shaded on Figure 6.

Figure 6 – WMQ Boundary (red line) and Sub-Areas

7.3 Previous Reports

7.3.1 Station Box

The Waterloo Metro Station Box, located in the eastern portion of the WMQ, has previously been remediated. All contamination sources from within the Station Box were removed as part of the station box excavation works. However, contamination present in the western portion of the WMQ has been identified to potentially present a risk to future site users of Waterloo Station.

The remediation of the Station Box is documented in the following reports, which are provided as Appendices A and B, respectively:

- Report on Validation of Remediation, Sydney Metro City and South West - Tunnel and Station Excavation Works Package, Waterloo Station, Botany Road, Waterloo, NSW (DP, 2020); and
- Site Audit Report Waterloo Station Box Excavation and Validation (Ramboll, 2020).

7.3.2 OSD

A combined Phase 1 and Phase 2 Site Contamination Investigation has previously been conducted for the western portion of the WMQ, and is presented in: Golder Douglas *City Metro City South-West, Environmental Site Assessment - Waterloo, Integrated Station*

Development, Botany Road, Waterloo NSW (GDP, 2019). A copy of GDP (2019) is provided as Appendix C.

GDP (2019) identified:

- The presence of contamination impact to the quality of the soil, soil vapour and groundwater, and recommended that appropriate remediation / management would be required to render the site suitable for an assumed commercial / industrial land use [DP notes that the need for remediation / management also applies for the proposed mixed-use development]; and
- Data gaps in the investigation associated with limited access at the time of field work preventing sampling in some of the target areas, and due to only one round of groundwater and soil vapour sampling being undertaken. Additional investigation was recommended to further assess the site prior to remediation.

7.4 Proposed Development

The proposed development comprises the following:

Station Box

- Construction of Waterloo Station under CSSI 7400. Further contamination assessment/ management works will be conducted concurrently with the Station Construction;

OSD

- Phase 1: Remediation works required to enable the future mixed-use development. The Phase 1 works will be conducted under CSSI 7400; and

- Phase 2: Mixed-use development as described in Section 6.

8. Strategy to Address Requirements of CSSI 7400

8.1 Contaminated Sites Conditions

CSSI 7400 includes the conditions for contaminated sites E66 to E70, as provided in Table 2, below. The proposed manner of addressing each condition for the WMQ is also provided in Table 2.

Clause		**Response**	
		Station Box	**OSD**
E66	A Site Contamination Report, documenting the outcomes of Phase 1 and Phase 2 contamination assessments of land upon which the Critical State Significant Infrastructure is to be carried out, that is suspected to be, or known to be, contaminated must be prepared by a suitably qualified and experienced person in accordance with guidelines made or approved under the *Contaminated Land Management Act 1997* (NSW).	A Site Audit Report has been prepared for the Station Box excavation (Ramboll, 2020) and is provided as Appendix B. This report documents the outcomes of the previous Phase 1 and Phase 2 contamination assessment of this area.	A Site Contamination Report comprising a combined Phase 1 and Phase 2 contamination assessment has been prepared (GDP, 2019) for the western portion of the site and is provided as Appendix C.
E67	If a Site Contamination Report prepared under Condition E66 finds such land contains contamination, a site audit is required to determine the suitability of a site for a specified use. If a site audit is required, a Site Audit Statement and Site Audit Report must be prepared by a NSW EPA Accredited Site Auditor. Contaminated land must not be used for the purpose approved under the terms of this approval until a Site Audit Statement is obtained that declares the land is suitable for that purpose and any conditions on the Site Audit Statement have been complied with.	Ramboll (2020) identifies that further management/ remediation of contamination is required. A statutory site audit will be conducted and a Site Audit Statement (SAS) and Site Audit Report (SAR) for the Station Box will be prepared by a NSW EPA Accredited Site Auditor. This area of the site will not be used for the purpose approved under the terms of this approval until a SAS is obtained that declares the land is suitable for that purpose and any conditions on the SAS have been complied with.	GDP (2019) identifies that management/ remediation of contamination is required. A statutory site audit will be conducted and a Site Audit Statement(s) (SAS) and Site Audit Report(s) (SAR) will be prepared by a NSW EPA Accredited Site Auditor. Separate SAS/SAR may be issued for sub-areas of this portion of the site as required to maximise the efficiency of the development approval process. An SAS/SAR stating that the site (or nominated portion of the site) is suitable for the proposed development (ie. a Section A SAS) will be issued prior to use of the site.

Clause		Response	
		Station Box	OSD
			The Section A SAS/SAR would be issued prior to commencement of construction of the mixed-use development.
E68	A copy of the Site Audit Statement and Site Audit Report must be submitted to the Secretary and Council for information no later than one (1) month before the commencement of operation.	A copy of the SAS and SAR will be submitted to the Secretary and Council for information no later than one month before the commencement of operation.	A copy of the SAS and SAR for the relevant portion(s) of the site will be submitted to the Secretary and Council for information no later than one month before the commencement of operation.
E69	An Unexpected Contaminated Land and Asbestos Finds Procedure must be prepared and must be followed should unexpected contaminated land or asbestos be excavated or otherwise discovered during construction.	This is not considered to be applicable to the Station Box as excavation to an approximate depth of 28 m has already been completed and no additional earthworks are proposed.	An Unexpected Contaminated Land and Asbestos Finds Procedure will be prepared and followed should unexpected contaminated land or asbestos be excavated or otherwise discovered during construction.
E70	The Unexpected Contaminated Land and Asbestos Finds Procedure must be implemented throughout construction.	This is not considered to be applicable to the Station Box as excavation to an approximate depth of 28 m has already been completed and no additional earthworks are proposed.	The Unexpected Contaminated Land and Asbestos Finds Procedure will be implemented throughout construction.

Table 2 – CSSI 7400 Condition and Response

8.2 Scope of Works to Address Site Contamination

The following works will be undertaken to support provision of the requirements of CSSI 7400 for site contamination:

8.2.1 Station Box

- Engage a suitably experienced Contaminated Lands Consultant and NSW EPA Accredited Site Auditor;
- Undertake Supplementary Assessment. This will include a risk assessment addressing risk from the identified off-site source. Collection of additional site data may be undertaken to inform the risk assessment. The scope of these works will be agreed between the Contaminated Lands Consultant and the Site Auditor;

- Prepare a Remediation Action Plan (RAP) if the Supplementary Assessment determines that there is a potential unacceptable risk to future site users from contamination. If the supplementary assessment determines that there is no unacceptable risk from contamination under the proposed Station Box land use a RAP will not be required;
- Prepare a Construction Quality Assurance (CQA) Plan detailing:
    - The construction elements upon which the supplementary assessment relied in determining the risk to site users and/ or required by the RAP; and
    - The quality assurance measures required to record the construction/ installation of these construction elements.
- Implement the RAP (if required) and CQA Plan;
- Validation Assessment of the management works by the Contaminated Lands Consultant;
- Prepare a Validation Assessment Report. This will be prepared by the Contaminated Lands Consultant; and
- Prepare a Site Audit Statement and Site Audit Report, by the NSW EPA Accredited Site Auditor, and submit to the Secretary and Council for information. The Site Audit Statement will state that the land is suitable for the proposed land use.

Note: the Unexpected Contaminated Land and Asbestos Finds Procedure are not considered to be applicable to the Station Box as excavation to an approximate depth of 28 m has already been completed and no additional earthworks are proposed.

8.2.2 OSD

- Engage a suitably experienced Contaminated Lands Consultant and NSW EPA Accredited Site Auditor;
- Undertake Supplementary Contamination Investigation and Assessment. This will be undertaken by the Contaminated Lands Consultant to obtain additional data on the site conditions and further assess the risk the identified contamination potentially presents under the proposed development. The investigation and assessment will provide sufficient data to allow for the development of a suitable remediation strategy. The scope of these works will be agreed between the Contaminated Lands Consultant and the Site Auditor;
- Prepare a Remediation Action Plan. This will be prepared by the Contaminated Lands Consultant based on the results of the supplementary contamination investigation and assessment and will be specific to the proposed development. The Site Auditor will review the Remediation Action Plan (RAP) and provide Interim Advice supporting the suitability of the RAP prior to its implementation;
- Prepare an Unexpected Contaminated Land and Asbestos Finds Procedure. This will be prepared and included in the RAP;
- Implement the RAP and Unexpected Contaminated Land and Asbestos Finds Procedure;
- Validation Assessment of the remediation works by the Contaminated Lands Consultant;
- Prepare a Validation Assessment Report. This will be prepared by the Contaminated Lands Consultant; and
- Prepare a Site Audit Statement and Site Audit Report, by the NSW EPA Accredited Site Auditor, and submit to the Secretary and Council for information. The Site Audit Statement will state that the land is suitable for the proposed land use.

9. Strategy to Address Requirements of SEPP 55

The future mixed-use development will be subject to separate approvals and will need to meet the requirements of SEPP 55.

SEPP 55 requires, inter alia, that contamination and remediation need to be considered in determining a development application.

The requirements of SEPP 55 will be addressed by provision, as part of the application for the construction certificate, of a Section A SAS / SAR stating that the site is suitable for the proposed development. The SAS / SAR will be those prepared to address the requirements of CSSI 7400 detailed in Section 8 above.

10. Conclusion

It is considered that the strategy proposed herein is suitable to address the requirements of SEPP 55 for the Southern Precinct and Basement Car Park OSD. The described strategy is also required to satisfy the CSSI 7400 conditions of approval to remediate the site to a standard suitable for the proposed development prior to the commencement of the SSD DA (SSD 10437 and SSD 10438).

11. References

CSSI15_7400. (2017). *Critical State Significant Infrastructure Sydney Metro City & Southwest Chatswood to Sydenham Conditions of Approval*. Application no.: SSI 15_7400: NSW Government Planning & Environment.

DP. (2020). *Report on Validation of Remediation, Sydney Metro City and South West - Tunnel and Station Excavation Works Package, Waterloo Station, Botany Road, Waterloo, NSW.* Report 85608.14.R.072.Rev0, dated 14 May 2020: Douglas Partners Pty Ltd.

GDP. (2019). *City Metro City South-West, Environmental Site Assessment - Waterloo, Integrated Station Development, Botany Road, Waterloo NSW*. Reference 1791865-008-R-Rev 1, dated 13 March 2019: Golder Douglas.

Ramboll. (2020). *Site Audit Report Waterloo Station Box Excavation and Validation*. Project No. 318000323-006, Audit No. TO-024-1, dated 2 June 2020: Ramboll Australia Pty Ltd.

SEPP 55. (n.d.). *State Environmental Planning Policy No 55—Remediation of Land, 2019*. NSW Department of Planning, Industry and Environment.

12. Limitations

Douglas Partners (DP) has prepared this report for this project at the Waterloo Metro Quarter Development Site, Botany Road, Waterloo in accordance with DP's proposal SYD200696 dated 1 July 2020 and acceptance received from Sally Reynolds of John Holland Pty Ltd dated 9 July 2020. The work was carried out under Agreement No WISD_135. This report is provided for the exclusive use of John Holland Pty Ltd for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of DP, does so entirely at its own risk and without recourse to DP for any loss or damage. In preparing this report DP has necessarily relied upon information provided by the client and/or their agents.

This report must be read in conjunction with all of the attached and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion stated in this report.

This report, or sections from this report, should not be used as part of a specification for a project, without review and agreement by DP. This is because this report has been written as advice and opinion rather than instructions for construction.

The contents of this report do not constitute formal design components such as are required, by the Health and Safety Legislation and Regulations, to be included in a Safety Report specifying the hazards likely to be encountered during construction and the controls required to mitigate risk.

Appendix A

- About this Report

- Report on Validation of Remediation Sydney Metro City and South West - Tunnel and Station Excavation Works Package, Waterloo Station, Botany Road, Waterloo, NSW (DP, 2020)

Appendix B (Volume 2)

Site Audit Report Waterloo Station Box Excavation and Validation (Ramboll, 2020)

Appendix C (Volume 3)

Golder Douglas City Metro City South-West, Environmental Site Assessment - Waterloo, Integrated Station Development, Botany Road, Waterloo NSW (GDP, 2019).

Appendix A

About This Report

Previous Report: DP (2020)

Introduction

These notes have been provided to amplify DP's report in regard to classification methods, field procedures and the comments section. Not all are necessarily relevant to all reports.

DP's reports are based on information gained from limited subsurface excavations and sampling, supplemented by knowledge of local geology and experience. For this reason, they must be regarded as interpretive rather than factual documents, limited to some extent by the scope of information on which they rely.

Copyright

This report is the property of Douglas Partners Pty Ltd. The report may only be used for the purpose for which it was commissioned and in accordance with the Conditions of Engagement for the commission supplied at the time of proposal. Unauthorised use of this report in any form whatsoever is prohibited.

Borehole and Test Pit Logs

The borehole and test pit logs presented in this report are an engineering and/or geological interpretation of the subsurface conditions, and their reliability will depend to some extent on frequency of sampling and the method of drilling or excavation. Ideally, continuous undisturbed sampling or core drilling will provide the most reliable assessment, but this is not always practicable or possible to justify on economic grounds. In any case the boreholes and test pits represent only a very small sample of the total subsurface profile.

Interpretation of the information and its application to design and construction should therefore take into account the spacing of boreholes or pits, the frequency of sampling, and the possibility of other than 'straight line' variations between the test locations.

Groundwater

Where groundwater levels are measured in boreholes there are several potential problems, namely:

- In low permeability soils groundwater may enter the hole very slowly or perhaps not at all during the time the hole is left open;
- A localised, perched water table may lead to an erroneous indication of the true water table;
- Water table levels will vary from time to time with seasons or recent weather changes. They may not be the same at the time of construction as are indicated in the report; and
- The use of water or mud as a drilling fluid will mask any groundwater inflow. Water has to be blown out of the hole and drilling mud must first be washed out of the hole if water measurements are to be made.

More reliable measurements can be made by installing standpipes which are read at intervals over several days, or perhaps weeks for low permeability soils. Piezometers, sealed in a particular stratum, may be advisable in low permeability soils or where there may be interference from a perched water table.

Reports

The report has been prepared by qualified personnel, is based on the information obtained from field and laboratory testing, and has been undertaken to current engineering standards of interpretation and analysis. Where the report has been prepared for a specific design proposal, the information and interpretation may not be relevant if the design proposal is changed. If this happens, DP will be pleased to review the report and the sufficiency of the investigation work.

Every care is taken with the report as it relates to interpretation of subsurface conditions, discussion of geotechnical and environmental aspects, and recommendations or suggestions for design and construction. However, DP cannot always anticipate or assume responsibility for:

- Unexpected variations in ground conditions. The potential for this will depend partly on borehole or pit spacing and sampling frequency;
- Changes in policy or interpretations of policy by statutory authorities; or
- The actions of contractors responding to commercial pressures.

If these occur, DP will be pleased to assist with investigations or advice to resolve the matter.

Site Anomalies

In the event that conditions encountered on site during construction appear to vary from those which were expected from the information contained in the report, DP requests that it be immediately notified. Most problems are much more readily resolved when conditions are exposed rather than at some later stage, well after the event.

Information for Contractual Purposes

Where information obtained from this report is provided for tendering purposes, it is recommended that all information, including the written report and discussion, be made available. In circumstances where the discussion or comments section is not relevant to the contractual situation, it may be appropriate to prepare a specially edited document. DP would be pleased to assist in this regard and/or to make additional report copies available for contract purposes at a nominal charge.

Site Inspection

The company will always be pleased to provide engineering inspection services for geotechnical and environmental aspects of work to which this report is related. This could range from a site visit to confirm that conditions exposed are as expected, to full time engineering presence on site.

Douglas Partners
Geotechnics | Environment | Groundwater

Report on
Validation of Remediation

Sydney Metro City & South West - Tunnel and Station Excavation Works Package
Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW

Prepared for
John Holland CPB Ghella JV

Project 85608.14
May 2020

Integrated Practical Solutions

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Document History

Document details

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Draft D	1	-	Ms Rachael Labruyere, John Holland CPB Ghella JV
Revision 0	1	-	Ms Rachael Labruyere, John Holland CPB Ghella JV

The undersigned, on behalf of Douglas Partners Pty Ltd, confirm that this document and all attached drawings, logs and test results have been checked and reviewed for errors, omissions and inaccuracies.

	Signature	Date
Author		14 May 2020
Reviewer		14 May 2020

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Executive Summary

This report presents the methodology and results for the Validation of Remediation carried out for the Waterloo Station site as part of the Sydney Metro City and South West, Tunnel and Station Excavation Works Package. The work was commissioned by John Holland CPB Ghella Joint Venture (JHCPBGJV) and was carried out in general accordance with Douglas Partners' (DP) proposal (85608.01.P.001). This validation report covers works undertaken as part of the excavation and construction of the station box. Construction of the station within the station box will be conducted by others (the Station Box Contractor), along with any additional remediation/ management works required to render the site suitable for use as a train station.

The objectives of this report are to document the remediation works undertaken with regard to site contamination, present the validation assessment results showing the current nature and extent of contamination and identify outstanding contamination issues which need to be remediated / managed to make the site suitable for the proposed station land use. The report also provides information on classification and management of soils imported onto and removed from the site.

The remediation and validation works were undertaken in general accordance with the Remediation Action Plan (RAP).

The contaminated land management process is subject to a Site Audit by a NSW Environment Protection Authority (EPA) accredited Site Auditor under Part 4 of the Contaminated Land Management (CLM) Act 1997. Mr Tom Onus of Ramboll Environ Australia Pty Ltd has been appointed as the Site Auditor. It is anticipated that a Part B Site Audit Statement will be issued to determine the nature and extent of contamination at the site.

The RAP presented the planned remediation and validation approach for the proposed development. The remediation methodology comprised:

- Off-site disposal of all on-site potentially contaminated soils as part of the bulk excavation works for the development;
- Further investigation of Volatile Organic Compounds (VOC) in soil, groundwater and soil vapour at the site and adjacent to the site; and
- Management of any risks identified by the further investigations in accordance with an Unexpected Finds Protocol.

The on-site supplementary investigation (reported separately) found that Volatile Organic Compounds (VOC) were present in groundwater and soil vapour at the site, and the results were consistent with the source being the off-site former dry cleaner (formerly located within the 'works area' for the station box construction). Tetrachloroethene (PCE) was recorded in one groundwater sample, from Well WLMW05 adjacent to the off-site dry cleaner, and was at a concentration above the Groundwater Investigation Level. PCE and trichloroethene (TCE) were recorded in soil vapour samples from various locations across the site, with results above the Interim Health-based Investigation Level recorded in Well WLMW103 located in the area of the former off-site dry cleaner.

This validation report records the off-site disposal of soil / rock from within the site to a depth of approximately 28 m below the original surface level.

Based on the information provided herein it is considered that all on-site sources of contamination have been removed. One off-site source with the potential to impact future site users has been identified, namely VOC contamination associated with a former dry cleaner immediately to the west of the site. Remediation / management of potential risks from this off-site source to on-site users will be addressed by the Follow-on Contractor as part of the station construction works.

As the works to be undertaken to render the site suitable for the station land use are the responsibility of the Station Box Contractor, the exact scope and nature of these works has not been determined herein. Options include remediation of the off-site source and / or site-specific risk assessment to determine if the actual risk to site users is acceptable (or unacceptable) and / or determining if construction of a barrier preventing contamination migrating onto the site is necessary.

DP does, however, note that the potential risk from the off-site VOC contamination will be further limited by the already constructed secant pile wall, the proposed tanking of the station, and the station ventilation system (once constructed).

The works to confirm the final suitability of the site for use as a station should include documentation (e.g., as an addendum to this Validation Report) of the works undertaken, the results of these works and a definitive comment on the suitability of the site for the station land use. The documentation should also clearly describe any ongoing management requirements. If ongoing management is required, a Long-Term Environmental Management Plan or equivalent will be necessary.

Table of Contents

Appendix H:	Documentation for Imported Materials
Appendix I:	VOC Area of Concern Trench Screening
Appendix J:	ASS Inspection Records
Appendix K:	Waste Receiving Site Register
	Waste Management and Disposal Records
Appendix L:	Water Disposal Records

Report on Validation of Remediation
Sydney Metro City & South West - Tunnel and Station Excavation Works Package
Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW

1. Introduction

1.1 General

This report presents the methodology and results for the Validation of Remediation carried out for the Waterloo Station site as part of the Sydney Metro City and South West, Tunnel and Station Excavation Works Package. The work was commissioned by John Holland CPB Ghella Joint Venture (JHCPBGJV) and was carried out in general accordance with Douglas Partners' (DP) proposal (85608.01.P.001). This validation report covers works undertaken as part of the excavation and construction of the station box. Construction of the station within the station box will be conducted by others (the Station Box Contractor), along with any additional remediation / management works required to render the site suitable for use as a train station.

The objectives of this report are to document the remediation works undertaken with regards to site contamination, present the validation assessment results showing the current nature and extent of contamination and identify outstanding contamination issues which need to be remediated / managed to make the site suitable for the proposed station land use. The report also provides information on classification and management of soils imported onto and removed from the site.

The remediation and validation works were undertaken in general accordance with the Remediation Action Plan (RAP).

The contaminated land management process is subject to a Site Audit by an NSW Environment Protection Authority (EPA) accredited Site Auditor under Part 4 of the Contaminated Land Management (CLM) Act 1997. Mr Tom Onus of Ramboll Environ Australia Pty Ltd has been appointed as the Site Auditor. It is anticipated that a Part B Site Audit Statement will be issued to determine the nature and extent of contamination at the site.

1.2 Scope of Work

The scope of works was to provide this validation report to document the remediation of contamination undertaken at the site. The report provides the results of validation assessment with respect to the suitability of the site for the proposed station land use.

Whilst demolition and remediation activities were being undertaken at the site, DP was engaged by JHCPBGJV to undertake inspections (as requested by JHCPBGJV), sampling and testing with regards to supplementary contamination investigation, waste classification, advice on remediation and validation. The inspection findings and related test results were used to compile this report.

1.3 Site Identification

The site is the footprint of the excavation area and piling zone for the Waterloo station box as shown on Drawing 1, Appendix A. The surrounding works area as shown on Drawing 1 (to be utilised by contractors for the construction of the station box and tunnelling works) is not part of the site for the purpose of this Validation Report. The site covers a rectangular shape of approximately 0.5 ha and is located within the suburb of Waterloo where City of Sydney is the local government authority.
The Lots / Deposited Plans (D.P.) and street addresses for the site are shown in Table 1 below.

Table 1: Lots / Deposited Plans and Street Addresses

Lot / Deposited Plan	Street Address
Part Lot 4 Deposited Plan 215751	49-57 Botany Road, Waterloo (a.k.a. 134-136 Raglan Street)
Part Lot 5 Deposited Plan 215751	59-63 Botany Road, Waterloo
Part Lot 1 Deposited Plan 814205	65 Botany Road, Waterloo
Part Lot 1 Deposited Plan 228641	67 Botany Road, Waterloo
Part Lot 2 Deposited Plan 228641	124-128 Cope Street, Waterloo
Part Lot 12 Deposited Plan 399757	130-134 Cope Street, Waterloo
Part Lot A Deposited Plan 108312	136-144 Cope Street, Waterloo
Part Lot B Deposited Plan 108312	136-144 Cope Street, Waterloo
Part Lot C Deposited Plan 108312	136-144 Cope Street, Waterloo
Part Lot D Deposited Plan 108312	136-144 Cope Street, Waterloo
Part Lot E Deposited Plan 108312	136-144 Cope Street, Waterloo
Part Lot 1 Deposited Plan 433969	93-101 Botany Road, Waterloo
Part Lot 1 Deposited Plan 738891	93-101 Botany Road, Waterloo
Part Lot 31 Deposited Plan 805384	156-160 Cope Street, Waterloo
Part Lot 32 Deposited Plan 805384	107-117A Botany Road, Waterloo
Part Lot A Deposited Plan 408116	107-117A Botany Road, Waterloo
Part Lot 2 Deposited Plan 205942	170-174 Cope Street, Waterloo

1.4 Site Development

The station box is approximately 28 m depth from surface, with the original ground surface at approximately RL-15.000 and the bulk excavation at RL-11.825. Detailed excavation for the stormwater sump is 2 m below the bulk excavation level (i.e., RL-13.825).

The following construction details for the station box have been provided by JHCPBGJV:

- Wall Construction:
    - Secant pile wall construction with a total of 618 piles (6,929.573 m total length) comprising 309 hard piles (4,858.973 m length) and 309 soft piles (2,070.06 m length);
    - 916 anchors (20,329.8 m total length) and 98 rock bolts (588 m total length); and
    - 200 mm layer of shotcrete to depth approximately 17 m below ground level.
- Floor Construction:
    - a minimum concrete slab thickness of 125 mm unreinforced TYP (broom finish) U.N.O.

It is understood that an undrained soil retention system has been constructed for the Botany Sands Aquifer and underlying residual soils for the excavation works, with the underlying geological horizons being drained during construction. It is further understood that the permanent station structure (to be constructed at a later stage) will be tanked.

'As built' construction drawings were not available at the time of reporting, but the following Assured for Construction Drawings have been supplied and are included in Appendix A:

- Sydney Metro City & Southwest Waterloo Station Excavation and Precinct Open Excavation Shoring Wall Sections Sheet 2 (Sheet 26 of 26), Drawing No. SMCSWTSE-JAB-SWL-EX-DRG-515051, Assured for Construction dated 10.01.18; and
- Sydney Metro City & Southwest Waterloo Station Excavation and Precinct Open Excavation Shoring Pile Construction Sequence (Sheet 6 of 26) Drawing No. SMCSWTSE-JAB-SWL-EX-DRG-515019, Assured for Construction dated 10.01.18.

1.5 Summary of Remediation Action Plan Requirements

The RAP presented the planned remediation and validation approach for the proposed development. The remediation methodology comprised:

- Off-site disposal of all on-site potentially contaminated soils as part of the bulk excavation works for the development;
- Classification of all soil / rock, including contaminated and non-contaminated materials, for off-site disposal;
- Further investigation of Volatile Organic Compounds (VOC) in soil, groundwater and soil vapour at the site and adjacent to the site; and
- Management of any risks identified by the further investigations in accordance with an Unexpected Finds Protocol.

In addition, the RAP provided site management requirements; contingency plans for encountering (unexpected) contamination; sampling and testing requirements; assessment criteria; and requirements for the assessment of imported soil.

It is noted that off-site investigation was not part of the contractual obligations of JHCPBGJV, and as such have not been undertaken.

1.6 Application of the EP & A Act

The project is approved critical State significant infrastructure in accordance with the Environmental Planning and Assessment Act (1979) (EP & A Act). State significant infrastructure is covered in Part 5, Division 5.2 of the EP & A Act. Clause 5.22 of the Act states:

> *(2) Part 3 and environmental planning instruments do not apply to or in respect of State significant infrastructure, except that:*
>
> *(a) They apply to the declaration of infrastructure as State significant infrastructure or as critical State significant infrastructure (and to the declaration of development that does not require consent), and*
>
> *(b) They apply in so far as they relate to Section 3.16, and for that purpose a reference in that Section to enabling development to be carried out in accordance with an environmental planning instrument or in accordance with a consent granted under this Act is to be construed as a reference to enabling State significant infrastructure to be carried out in accordance with an approval granted under this Division*

It is therefore the understanding of JHCPBGJV that SEPP 55 does not apply to the development.

2. Previous Reports and Site Information

2.1 Previous Reports

The remediation and spoil management works were undertaken based on information from the following reports:

- DP *Report on Preliminary Site Investigation, Sydney Metro City and South West, Tunnel and Station Excavation Works Package, Proposed Waterloo Dive, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.001 Rev0 dated 18 March 2018 (R.001) (the PSI);
- DP *Report on Detailed Site Investigation, Sydney Metro City and South West, Tunnel and Station Excavation Works Package, Proposed Waterloo Dive, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.002 Rev1 dated 13 March 2018 (R.002) (the DSI);
- Pells Sullivan Meynink (PSM) *Sydney Metro City & Southwest – TSE DP-R-020 Hydrogeological Interpretive Report* SMCSWTSE-JPS-TPW-GE-RPT-110003-D Assured for Construction (AFC) (Contract Number: TSE, Document Number SMCSWTSE-JPS-TPW-GE-RPT-110003-D, Revision D, 19/03/2018) (PSM, 2018);
- DP, *Remediation Action Plan, Sydney Metro City & SW –Tunnel & Station Excavation Works Package, Proposed Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref: 85608.14.R.004.Rev0, April 2018 (R.004) (RAP);
- DP *Acid Sulfate Soil Management Plan Sydney Metro City and South West, Tunnel and Station Excavation Works Package, Proposed Waterloo Station, Botany Road and Cope Street, Waterloo*, June 2018 reference 85608.14.R.008.Rev1 (R.008) (the ASSMP);

- DP *Review of the Expected Extent of Acid Sulfate Soil Sydney Metro City & South West - Tunnel and Station Excavation Works Package – Waterloo Station Botany Road and Cope Street, Waterloo* August 2018 reference 85608.14.R.057.Rev0 (R.057); and
- DP, *Factual Report on On-Site Supplementary Contamination Investigations Sydney Metro City & South West, Tunnel & Station Excavation Works Package Proposed Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.068.Rev0, dated 19 September 2018 (R.068) (Supplementary Report) [undertaken as part of the validation works].

Various letter reports were prepared to provide advice and waste classification during the remediation works. A list of these reports is provided in Section 12.2 and are referenced as relevant.

In addition, the below reports have been prepared for the surrounding works area (the 'Worksite Area' shown on Drawing 1, Appendix A), which did not form part of the current site. These reports have not been reviewed herein:

- Golder-DP *Sydney Metro City South-West Factual Contamination Report Waterloo Integrated Station Development, Botany Road, Waterloo,* Ref 1791865-006-R-Rev1, dated 4 February 2019; and
- Golder-DP *Sydney Metro City South-West Environmental Site Assessment - Waterloo Integrated Station Development, Botany Road, Waterloo,* Ref 1791865-008-R-Rev1, dated 13 March 2019.

2.2 Summary Site History

Based on a review of site history information in the reports detailed in Section 2.1, it appears that the site was mostly residential properties with some commercial complexes at the northern and southern ends from at least 1930. It was then redeveloped between 1955 and 1970 as various commercial properties. The former industrial uses within and near to the site include manufacturers for batteries, forging, chemical, mirrors, glass, hospital equipment, plastic, tiles and electrical equipment, metal workers and merchants, motor electricians, motor painters/motor panel beaters / motor specialists, welders, coppersmith, printers, blacksmiths, steam engineers, and boilermakers.

Dry cleaners were noted north east and up-gradient from the site in the 1950 and 1970 directories, however, only one dry cleaner noted in the 1970 directory was within 500 m up-gradient of the site (at 432 m). Motor garages and service stations were noted adjacent to the site, and north east and up-gradient from the site in the 1950, 1970 and 1991 directories. One motor garage was noted adjacent to the site in the 1950 and 1970 directories, and one was noted within 500 m up-gradient of the site in the 1970 directory (at 328 m). The recent commercial properties at the site include an automotive centre and an automotive smash repairer. A laundry/dry cleaner was noted on Botany Road adjacent and to the west of the site.

Previous assessment by EI (2015a) on a part of the site (Lot 5 D.P. 215751 - 59-63 Botany Road, Waterloo) indicated that potential sources of contamination within the lot were filling from unknown sources, spills and leaks from former car parking areas, former commercial uses including machinery workshop and repairs and laundering, demolition of former structures, application of pesticides beneath building footprints, hazardous materials from building products, and natural soils containing residual impacts. The validation assessment indicated a potential for residual contamination at the site following remediation.

2.3 Site Description Prior to Remediation

At the time of fieldwork for the DSI, the site was occupied by various disused commercial properties which were being progressively demolished. The buildings / former buildings included an automotive centre and an automotive smash repairers. The automotive centre had a sump surrounded by a bund for the collection of fuels and oil, and some staining was noted on the concrete slab. A basement was located beneath units at one property (Lot 31 D.P. 805384) within the southern portion of the site.

Adjacent to the west of the site an off-site laundry / dry cleaner (located on Botany Road at Lot 2 D.P. 27454) had been present, however, this had been demolished at the time of the walkover. An old washers / dryers store and a paper works were also noted adjacent to the west of the site. A half basement was observed beneath the unit block (Strata Plan 75492) adjacent to the west of the site.

Surrounding land uses include Raglan Street and commercial/high density residential properties to the north, commercial properties / high density residential properties and Botany Road to the west, Cope Street and high-density residential properties to the east, and Wellington Street and commercial / high density residential properties to the south.

2.4 Geology, Topography, Hydrogeology and Regional Groundwater

The site lies in a relatively flat area with a pre-development ground level of approximately 16 m Australian Height Datum (AHD). According to the Sydney 1:100 000 Geology Sheet, the site is underlain by transgressive dunes of Quaternary age which comprise medium to fine grained marine sand with podsols. According to Sydney 1:100 000 Soils Landscape Sheet, the site is within the Aeolian soil landscape which comprises deep (>200 cm) podzols on dunes and podzol / humus podzol intergrades on swales.

Acid sulfate soils (ASS) are discussed in Section 2.5.

Based on the topography, groundwater is anticipated to flow to the south west. Groundwater from the site may discharge into Sheas Creek (approximately 530 m to the south west) which flows into Alexandra Canal then to Cooks River and finally Botany Bay (approximately 6 km to the south of the site).

A search of the Department of Primary Industries Water registered groundwater bore reviewed in the PSI found eight registered groundwater bores within 500 m of the site. One was registered for domestic purposes, one for recreation and the remainder for monitoring. Only the well registered for domestic purposes was down-gradient based on the inferred groundwater flow direction to the south west.

However, it is noted that the site is located on the Botany Sand Aquifer and is now in a zone where domestic use of groundwater is banned. Domestic use is banned due to the elevated potential for contamination, with Botany and its surrounding suburbs having been heavily used by industry for at least 100 years, largely before any environmental protection controls were in place. A range of industries operated in the Botany area such as tanneries, metal platers, service stations and depots, landfills, dry cleaners and wool scourers. As a result, chemicals such as chlorinated hydrocarbons and other solvents, petroleum hydrocarbons (such as petrol and diesel), and some metals/metalloids such as chromium, nickel, lead and arsenic, may have contaminated the aquifer.[1]

PSM (2018) (refer to Section 2.1) was reviewed with respect to expected groundwater penetration into the station box. Information from the PSM (2018) is provided in the RAP, and includes the following:

- An undrained soil retention system for the upper Botany Sands Aquifer will be constructed for the construction phase, with the underlying excavation drained during construction;
- The permanent station structure will be tanked;
- There are various contaminating activities and land uses identified in the capture zone, presenting an elevated risk of contamination to the site. Extensive testing would be required to confirm actual water quality in the capture zone, nevertheless the water quality would be expected to change over the lifespan of the station and may not be reflective of the final water quality which may collect in the station box;
- The water quality data provided is generally in the same order of magnitude, or lower, than that recorded in the DSI, with the notable exceptions including:
    - Chromium, recorded in PSM (2018) at up to 52 µg/L in Botany Sands at the site, compared to all results in the DSI being below the laboratory practical quantitation limit (PQL);
    - Lead, recorded in PSM (2018) at up to 21 µg/L in Botany Sands at the site, compared to all results in the DSI being below the PQL; and
    - No VOC other than low concentrations of chloroform being recorded by PSM (2018). However, these results are not considered to be inconsistent with the DSI results given the difference in well locations and slotted intervals.

2.5 Acid Sulfate Soils

NSW Acid Sulfate Soil Risk Mapping (1994 - 1998) data, supplied by NSW Department of Environment and Climate Change, indicates that the site is within an area of no known occurrences of ASS. However, possible ASS have been identified in natural soil below the water table at the site.

The ASSMP allows for further testing to be undertaken in situ and/ or ex situ. If the further testing shows the material to be ASS, it should be managed and treated in accordance with the ASSMP. If the material is found not to be ASS, then further management or treatment for ASS will not be required and it can be re-used or disposed.

The ASSMP included:

- A statement that "*Given the results, it was considered that ASS is likely to be present in and below the grey-red and / or grey clay profile at the site. Therefore, based on the analytical results, the clay profiles and soils below the clay profiles should be treated as ASS unless further testing shows otherwise.*"; and
- Works required for off-site disposal of ASS and on-site treatment of ASS where required / practical".

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[1] http://www.water.nsw.gov.au/water-management/water-quality/groundwater/botany-sands-aquifer

DP (2018e) comprised a review of the site geology and laboratory results to assess ASS presence at the site. It found that:

> *"The stiff to hard grey mottled red and yellow clay exceeding the ASSMAC (1998) Action Criteria for the acid trail generally have no detectable Scr, with Scr only recorded above the laboratory detection limit in three of the 37 samples tested. As such, the majority of the stiff to hard grey mottled red and yellow clay are not considered to meet the ASSMAC (1998) definition for ASS as being soils containing iron sulphides.*
>
> *The origin of the clays has been further assessed to determine if sulfur in iron sulfides present at levels below the detection limits is likely to result in sulfidic acid production when the clays are excavated. The review of the Botany Bay geology and clays at the site found them to be consistent with Pleistocene Sediments, expected to have been deposited between approximately 61,000 and 120,000 years ago. Pleistocene Sediments at the Site observed between approximately 5 m and 10 m AHD, compared to the groundwater table at approximately 10 m and 12 m AHD, are expected to have been above the water table for a period of at least approximately 50,000 years, and possibly significantly longer, based on sea level changes which have occurred since their deposition.*
>
> *It is therefore considered that iron sulphides, if present at the time of their deposition, would have already oxidised during the time the material was above the water table. As such it is considered that the potential for oxidation of iron sulphides in the materials resulting in significant acid production upon re-exposure to air is minimal. This is in agreement with ASSMAC (1998) discussing ASS as being associated with Holocene Sediments.*
>
> *Therefore, whilst the stiff to hard grey mottled red and yellow clay are generally acidic, they are not considered to be ASS, and as such do not require management in accordance with ASSMAC (1998). The origin of this acidity is not known and may be from organic matter or from leaching of acidic water into the material from previous overlying ASS.*
>
> *Other boreholes and CPT results from the site do, however, indicate the possible presence of more recent, Holocene aged sediments at the site. These are considered to potentially contain ASS, which is consistent with the reporting of low levels of chromium reducible sulfur in some samples from the site. These soils, if present, are likely to be located between the overlying aeolian Botany Sands and the underlying Pleistocene Sediments*".

DP (2018e) recommended that:

- "*The stiff to hard grey mottled red and yellow clay at the site, probably of Pleistocene sedimentary origin, does not require management as ASS in accordance with ASSMAC (1998). However, given the acidic nature of the clay it is recommended that potential receiving sites be provided with the pH results;*
- *The results do indicate the potential presence of ASS at the site, likely to be in localised areas between the overlying aeolian Botany Sands and the underlying Pleistocene Sediments. These materials will need to be identified and managed in accordance with the ASSMP. These materials may comprise dark grey clayey sand, sandy clay and Coffee Rock beneath the water table; and*
- *Potential alluvial / estuarine / marine sediments (comprising all soils beneath the Botany Sands) should be inspected by an experienced geologist or environmental/ geotechnical scientist / engineer under the supervision of an experienced geologist once they are exposed in the excavation to allow inspection of the structure and likely origin of the material. Based on this inspection and review of previous results for the area, advice can be provided on the need for the*

soils to be managed in accordance with the ASSMP, and the classification of the soil for off-site disposal purposes (with respect to ASS)."

2.6 Summary of DSI Investigation Results

Details of the previous investigation are provided in the RAP. Drawings of the previous test locations are provided on Drawing 2 in Appendix A, and borehole and test pit logs and a summary of laboratory results is provided in Appendix E.

The general sub-surface profile encountered in the DSI was as follows:

- Concrete Slab: In all boreholes and test pits to depths of between 0.08 m and 0.35 m below ground level (bgl);
- Filling: Brown / orange / yellow / grey sand, gravel and clay in all boreholes and test pits to depths of between 0.15 m and 1.0 m bgl;
- Sand / Clayey Sand/Silty Sand: Brown /grey / yellow / orange sand, clayey sand and silty sand in WLBH01, WLBH02, WLMW03, WLMW04, WLMW05, WLMW06 to depths of between 5.0 m and 6.5 m bgl; and
- Clay: Grey / yellow / red clay in WLBH02, WLMW04, WLMW05 and WLMW06 to depths of between 5.5 m and 7.5 m bgl.

Groundwater was observed at depth of between 2.9 m bgl and 3.7 m bgl during drilling and as standing water levels in the wells at depths between 3.3 m and 3.7 m bgl.

All analytical results for soil samples collected or reviewed in the DSI were within the adopted site assessment criteria (SAC) with the exception of:

- Asbestos: identified in the northern portion of the site;
- Lead in one location (2,100 mg/kg in sample EI 105/1.4-1.5 compared to the SAC of 1,500 mg/kg); and
- Tetrachloroethene (PCE) in two soil samples from WLBH01 (samples WLBH01/0.5-0.95 and WLBH01/1-1.45). No SAC is available for PCE and given the soils have been removed as part of the proposed development, the reported concentrations are not to be considered to be of potential concern for the site's suitability.

ASS testing was undertaken from three borehole locations to depths of up to 6.45 m bgl. One sample, WLMW05/ 5.1-5.45, returned a positive result for ASS.

Groundwater results included the following contaminants of note:

- Organochlorine pesticides (OCP) above the PQL. OCP were not recorded in the soil samples tested from the site and no obvious source of the OCP has been identified; and
- The VOC tetrachloroethene (PCE) recorded in the groundwater sample collected from WLMW05 at a concentration of 150 µg/L, compared to the low reliability interim working level of 70 µg/L.

The most likely identified source of the PCE recorded in groundwater was considered to be the former dry-cleaner located off-site, adjacent to the western site boundary.

3. Pre-Remediation Conceptual Site Model

A Conceptual Site Model (CSM) is a representation of site-related information regarding contamination sources, receptors and exposure pathways between those sources and receptors. The CSM provides the framework for identifying how the site became contaminated and how potential receptors may be exposed to contamination either in the present or the future i.e. it enables an assessment of the potential source - pathway - receptor linkages.

The CSM below was prepared for the RAP and was used in determining an appropriate remediation strategy for the site.

3.1 Potential Contamination Sources

Based on reviewed site history information, the potential sources of contamination at the site are as follows:

- S1 - Soil contamination from former industrial land use and imported filling. Asbestos, VOC and lead have been detected above the SAC;
- S2 - Offsite impacts from previous industries near to the site including the former laundry / dry cleaner, VOC has been detected in groundwater; and
- S3 - OCP (heptachlor expoxide) in groundwater recorded above the GIL, from an unknown source.

3.2 Potential Receptors

Potential receptors of contamination have been identified to include:

- R1 – Future site users (rail corridor);
- R2 – Construction workers (for the station box construction);
- R3 – Adjacent land users;
- R4 – Surface waters; and
- R5 – Groundwater.

Terrestrial ecology at the site has not been listed as a potential receptor given that the entire site will be the station box which will have very limited ecological value.

The contaminants detected are not considered to be a risk to in ground building structures.

3.3 Potential Pathways

Potential pathways for contamination to impact receptors include the following:

- P1 – Ingestion and dermal contact with soil;
- P2 – Inhalation of dust;

- P3 – Inhalation of vapours;
- P4 – Surface water runoff;
- P5 – Leaching of contaminants and vertical migration into groundwater;
- P6 – Lateral migration of groundwater; and
- P7 – Groundwater extraction for dewatering and disposal.

It is noted that the location and distribution of contamination may have been influenced by trenches for buried services, as these trenches may have acted as a migratory pathways in the past. Identified services at the site and in the vicinity of the site shown are on Drawing 1, Appendix A.

The recorded concentrations of potential contaminants are not considered to pose a risk to ground structures.

3.4 Summary of CSM

Table 2: Pre-Remediation Conceptual Site Model

Source	Transport Pathway	Receptor	Remediation Approach
S1 – Asbestos in filling (various)	P2 – Inhalation of dust	R1 – Future site users	Off-site disposal of the contaminated soils.
		R2 – Construction workers	Management during remediation/ excavation.
		R3 – Adjacent land users	Off-site disposal of the contaminated soils. Management during remediation/ excavation.
S1 – Lead in filling (EI BH105)	P1 – Ingestion and dermal contact with soil	R2 – Construction workers	Management during remediation/ excavation.
	P2 – Inhalation of dust		
	P2 – Inhalation of dust	R1 – Future site users	Off-site disposal of the contaminated soils.
	P2 – Inhalation of dust	R3 – Adjacent land users	Off-site disposal of the contaminated soils. Management during remediation/ excavation.
	P5 – Leaching of contaminants and vertical migration into groundwater	R5 – Groundwater	Off-site disposal of the contaminated soils.

Source	Transport Pathway	Receptor	Remediation Approach
S1 – VOC in filling and natural sand (WLBH01)	P1 – Ingestion and dermal contact with soil	R1 – Future site users	Off-site disposal of the contaminated soils.
	P3 – Inhalation of vapours		
	P3 – Inhalation of vapours	R3 – Adjacent land users	Off-site disposal of the contaminated soils. Management during remediation/ excavation.
	P1 – Ingestion and dermal contact with soil	R2 – Construction workers	Management during remediation/ excavation.
	P3 – Inhalation of vapours		
S2 – VOC in groundwater (offsite source)	P3 – Inhalation of vapours	R1 – Future site users	Based on the DSI results the risk from on-site sources is considered to be generally low, and soil and groundwater sources within the excavation "box" has been removed. The constructed secant pile wall (refer to Assured for Construction drawings in Appendix A) is expected to impede migration of VOC into the station box. The tanking of the permanent station structure is expected to limit ingress of VOC contaminated onto the site long term. Off site removal of the source is understood to be proposed, but was not undertaken as part of the current work.
		R2 – Construction workers	Management during remediation/ excavation.

Source	Transport Pathway	Receptor	Remediation Approach
		R3 – Adjacent land users	Not addressed as the site is not considered to be the source of contamination and there is no current data showing that the PCE transits through the site to other sites. It was noted, however, that dewatering may pull PCE towards the site, changing off-site and on-site concentrations.
	P6 - Lateral migration of groundwater	R4 – Surface waters	
	P7 - Groundwater extraction for dewatering and disposal	R4 – Surface waters	Treatment of potentially impacted water from construction phase dewatering required prior to disposal in accordance with the Environment Protection Licence (EPL).
	P9 - Groundwater extraction for dewatering and disposal P1 - Ingestion and dermal contact with soil	R2 – Construction workers	Management during remediation/ excavation.
S3 – OCP in groundwater (unknown source)	P6 - Lateral migration of groundwater	R4 – Surface waters	Removal of potential on-site sources.
			Treatment of potentially impacted water from dewatering prior to disposal in accordance with the EPL.
	P9 - Groundwater extraction for dewatering and disposal	R4 – Surface waters	Treatment of potentially impacted water from dewatering prior to disposal in accordance with the EPL.

Source	Transport Pathway	Receptor	Remediation Approach
	P9 – Groundwater extraction for dewatering and disposal P1 – Ingestion and dermal contact with soil	R2 – Construction workers	Management during remediation / excavation. It is noted that all results were within the *Guidelines for Managing Risks in Recreational Water* (GMRRC) thresholds, indicating there is no unacceptable risk from recreational contact. Exposure of construction workers is expected to be less than from the default GMRRC assumptions (which include swimming and incidental ingestion).

4. Remediation and Validation Methodology

The details of the remediation and validation works undertaken are described below. Site photographs are provided in Appendix B.

4.1 Remediation Overview

In brief the works included:

- Further Investigation of VOC Contamination. Whilst on- and off-site further investigation had been proposed only the on-site investigation was undertaken. Off-site investigation was beyond the scope of the JHCPBGJV (and thus DP's) contractual obligations. The on-site investigation included drilling of boreholes / construction of wells for the sampling of soil, groundwater and vapour, and was reported in DP R.068 (refer to Section 2.6.2 for summary information);
- Further *in situ* and *ex situ* waste classification (as required, including in the area of Boreholes EI BH105 and DP WLMW06);
- Excavation and disposal of soils provisionally classified as Restricted Solid Waste - Special Waste-Asbestos under appropriate WHS controls filling (in the area of WLBH01). The process required pre-excavation delineation of the waste and post-excavation validation of the remaining soils;
- Excavation and disposal of General Solid Waste - Special Waste Asbestos under appropriate WHS controls;
- Clearance of the asbestos works area by an Asbestos Assessor prior to commencement of general site works;
- Assessment of imported materials to be used during construction (and then disposed off-site);
- Excavation and disposal of remaining filling under an assigned waste classification;
- Assessment and management of natural soils for ASS;
- Assessment of natural materials for impacts from contaminants, including VOC, for waste classification purposes;
- Excavation of soil / rock found not to contain ASS or potential contaminants and disposal as virgin excavated natural material (VENM); and
- Final inspection of the site post bulk excavation by the environmental consultant (note some minor additional excavation was proposed at this time associated with the removal of a temporary concrete slab. Given the minor nature of the further excavation, which would be in VENM, no further inspection was considered necessary).

4.2 Sampling and Analysis Plan and Sampling Methodology

Environmental sampling was performed according to the methodology described in Appendix D of the RAP, as provided in Appendix C of this Validation Report.

5. Assessment Criteria

5.1 Remediation Acceptance Criteria

The Remediation Acceptance Criteria for the works was that no contamination presenting an unacceptable risk of harm to human health or the environment remains within the site.

5.2 Site Assessment Criteria

Site Assessment Criteria (SAC) for a variety of contaminants, as detailed in the RAP, are provided in Appendix D, and were referenced in the case of assessing imported material for suitability for use on the site and for unexpected finds being encountered during development works.

The SAC were sourced from investigation and screening levels in Schedule B1 of the National Environment Protection Council (NEPC) National Environment Protection (Assessment of Site Contamination) Measure 1999 (amended 2013) (NEPC, 2013). This guideline has been endorsed by the EPA under the CLM Act. The investigation and screening levels were not intended to be used as clean up levels. They establish concentrations above which further appropriate investigation (e.g., Tier 2 assessment) should be undertaken.

The SAC are based on commercial/ industrial land use exposure.

Soils to be disposed off-site were assessed and classified in accordance with the Protection of the Environment Operations Act 1997 (POEO Act).

6. Quality Assurance and Quality Control

6.1 Data Quality Objectives and Indicators

The validation assessment was conducted in accordance with Data Quality Objectives (DQOs) and Quality Assurance / Quality Control (QA / QC) procedures to ensure the repeatability and reliability of the results. The DQOs are discussed in Appendix F.

A checklist of Data Quality indicators (DQI) in accordance with *National Environment Protection Council (NEPC) National Environment Protection (Assessment of Site Contamination) Measure 1999 (amended 2013)* (NEPC, 2013) has been completed as part of the validation assessment and is included in Appendix F.

6.2 Field and Laboratory QA / QC

Field and laboratory quality assessment and quality control measures were implemented to ensure the data collected was suitable for use in this validation assessment. Further details are provided in Appendix F.

6.3 QA /QC Data Evaluation

On the basis of the QA/QC outcomes presented in Appendix F, it is considered that the data presented in this report is reliable and useable in this validation assessment.

7. Imported Materials

Materials were imported onto the site for temporary use during construction (e.g., to form the piling platform). Provided documentation for their import is provided in Appendix H. DP understands that JHCPBGJV was provided with and reviewed the relevant documentation prior to importation of the material onto the site. It is further understood that the imported material met the appropriate resource recovery exemption and resource recovery order for importation without the need for further classification by DP.

All of the imported materials were subsequently classified for off-site disposal purposes by DP and others and, following completion of use on site, were disposed of off-site to licensed facilities (refer to Section 8.4). DP waste classification reports for imported material are referenced in Table 3.

Table 3: DP Reports Covering Waste Classification of Imported Material

DP Report Identification	Date
R.014	10.17.18
R.015	23.07.18
R.020	5.11.18
R.023	15.08.18
R.028	18.05.18
R.031	15.08.18
R.043	6.07.18
R.052	26.07.18

A summary of imported materials is provided in Table 4, below.

Table 4: Summary of Imported Material

Report	Report Date	Source	Description	Assessment Location	Approx. Volume (m^3)	Import Classification	Export Classification
R.014	10-Jul-18	WestConnex Stage 2 Project extending from the King Georges Road interchange on the existing M5 East Motorway at Beverly Hills, to St Peters	Grey crushed sandstone with some sandstone cobbles with trace metal fibres (imported sandstone tunnel spoil	Grids A3 to E3 (in-situ)	900 to 1,100	The WestConnex Stage 2 tunnel spoil exemption 2017 The WestConnex Stage 2 tunnel spoil order 2017.	General Solid Waste (non-putrescible) (all results within CT1 thresholds)
R.015	23-Jul-18	WestConnex Stage 1B Project extending from the Homebush Bay Interchange to the Parramatta Road and Wattle Street Interchange	Grey crushed sandstone with some sandstone cobbles (imported sandstone tunnel spoil)	Grids F3 to H3 (in situ)	770	The WestConnex Stage 1B tunnel spoil exemption 2016	General Solid Waste (non-putrescible) (all results within CT1 thresholds)
R.028	18-May-18	Boral	Light grey aggregate gravel with traces of plastic and root fibres	temporary internal haulage road in the western portion of site Grid D3 (in situ)	5 to 10	Not Sighted [2]	General Solid Waste – non putrescible (all results within CT1)
ADE (2018) DP (report not issued)	4/10/2018 -	Boral	Sandy Gravel [1]	Stockpile, approximately 30 m south east of the western entrance gate	200 290 [3]	Not Sighted [2]	General Solid Waste – non putrescible. [2]

Notes:

1. Medium grained, poorly sorted, light brown to grey, angular to subangular gravels, moist. Foreign materials including but not limited to terracotta, glass, wood and aggregate. No Asbestos Containing Materials (ACM), paint chips, sulfidic ores, hydrocarbon odours / staining were identified within any of the materials inspected.
2. Whilst documentation classifying the material under the POEO Act has not been sighted, supply dockets from Boral for geotechnical testing of the material as ‘Unbound Base’ have been reviewed, and are included in Appendix H. The material has also been tested for contamination/ waste classification following import onto the site.
3. Volume discrepancy between ADE (2018) and the unissued DP report is considered to be due to the difference in the two field estimation..
4. Refer to discussion below.

With respect to the material covered by ADE (2018), as summarised in the table below, DP provides the following further information:

- The material was classified in the report ADE Consulting Group (ADE) *Waste Analysis & Classification Report, Waterloo Station Site, Botany Road and Cope Street, Waterloo NSW* (reference SYM-06-13848 / WAC2 v1 final, dated 10th April 2018) (ADE, 2018);
- Sampling and analysis of the material was undertaken by DP, with 14 samples collected on the 15th and 21st February 2018 and the 6th March 2018. Summary information is provided in Table 5, below;
- Samples DGBA1 to DGBA6 (collected 6 March 2018) all recorded the polychlorinated biphenyls (PCB) compound arochlor 1254, with a maximum concentration of 2.4 mg/kg (laboratory reports provided in Appendix H). This material was recorded by DP to comprise approximately 290 m^3 of brown / grey sandy gravel with brick, tile and rock fragments;
- ADE collected and analysed an additional eight samples;
- ADE (2018) considered the DP data in its assessment, which classified the material as General Solid Waste (non-putrescible);
- It is understood that the aggregate was used on site in areas F3 - H3 as part of the piling pad, prior to its off-site disposal; and
- The imported DGB is understood to have been placed over imported sandstone for the initial piling pad in the southern portion of the site. Geofabric was placed between the piling pad and the underlying soils.

Table 5: Summary of DP Aggregate Sampling

Date	Estimated Volume (m^3)	Description	Primary Samples	Sample ID's Commencing
15.02.18	75	light grey/ brown gravelly sand with brick, concrete, PVC pipe, asphalt. Bituminous odour	3	WLDGB1-
21.02.18	125	light grey gravelly sand with brick, timber, igneous gravel, plastic, sandstone gravel and cobbles, asphalt, metal	5	WLDGB2-
6.03.18	290	brown/ grey sandy gravel with brick, tile, rock fragments	6	DGBA-

8. Spoil Management and Disposal

Site photographs are provided in Appendix B, showing the general progress of site works.

Excluding asbestos works, general excavation was carried out by State Roads Construction (SRC) who supplied the operator and equipment. The management of SRC was carried out by JHCPBGJV.

8.1 Asbestos Clearances

WHS clearances of asbestos were undertaken (by others) in asbestos works areas prior to general works, and are provided in Appendix G.

The removal, monitoring and load out of all asbestos impacted material was undertaken by ASP Australia (licence number AD210968) under the Supervision of Leon Johnstone. ASP Australia were operating under sub-contract through Delta Group Pty Ltd.

8.2 Acid Sulphate Soil

Acid Sulfate Soil (ASS) was identified in a relatively small quantity of material. ASS was treated on site by neutralisation with ag-lime, and then assessed to ensure the neutralisation was successful. The treated ASS was then disposed of off-site in accordance with its waste classification by DP (see Table 6). Full report refences are provided in Section 12.2.

Laboratory testing for ASS indicated positive ex-situ results in some pile returns, generally from deeper piles with a higher component of rock (including shale). Based on the entire dataset and inspection results during excavation it is considered that these positive results for ASS were a result of naturally acidic clays and naturally occurring sulphur found within the shale bed rock on the site. Given the understanding of ASS at the site at the time of testing, the materials were managed as ASS.

Laboratory testing for ASS tested positive in ex-situ testing of some pile returns, generally from deeper piles with a higher component of rock. Based on the entire dataset and inspection results during excavation it is considered that these positive results for ASS were a result of naturally acidic clays and naturally occurring sulphur found within the bed rock on the site. Given the understanding of ASS at the site at the time of testing, the materials were managed as ASS.

DP's waste classification reports in the areas / depths of potential ASS concern required materials to be visually inspected for signs of ASS to confirm their classification prior to disposal.

The following advice on delineating ASS / non ASS was provided:

- The stiff to hard grey mottled red and yellow clay at the site, probably of Pleistocene sedimentary origin, does not require management as ASS in accordance with ASSMAC (1998). However, given the acidic nature of the clay it is recommended that potential receiving sites be provided with the pH results; and
- The results do indicate the potential presence of ASS at the site, likely to be in localised areas between the overlying aeolian Botany Sands and the underlying Pleistocene Sediments. These materials will need to be identified and managed in accordance with the ASSMP. These materials may comprise dark grey clayey sand and sandy clay beneath the water table.

JHCPBGJV undertook visual inspections prior to and during excavation, with records of the inspections provided in Appendix J. Review of and training for the process was carried out by DP to provide the competency for the inspections. No soils were identified during the inspections which were triggered management as ASS in accordance with the ASSMP.

All site water, including any leachate from the ASS was collected in the site stormwater system for treatment and testing in accordance with the site EPL prior to disposal. Refer to Section 8.6 for further information.

Table 6: Reports Covering Treatment and Waste Classification of ASS

DP Report Identification	Date Issued
R.019	26.04.18
R.020	5.11.18
R.024	18.05.18
R.025	16.05.18
R.026	17.05.18
R.027	18.05.18
R.030	25.05.18
R.032	30.05.18
R.035	7.06.18
R.037	20.06.18
R.041	4.07.18
R.044	12.07.18
R.051	19.07.18
R.067	28.09.18

8.3 Waste Classification

Waste Classification was conducted both on *in situ* soil and stockpiled soils, details are provided in individual reports as summarised in Table 7, below. The full references are provided in Section 12.2.

In summary:

- Restricted Solid Waste (RSW) was identified in the area of Test Pit WLBH01. Delineation testing was undertaken in this area as reported in DP R.031. Stockpile WLSPR was sourced from this area and was classified as RSW;
- RSW - Special Waste (asbestos) (RSW-Asbestos) was assessed to apply to Stockpile WLSPL of soil sourced from upper 0.2 m bgl from the central portion of the site, due to the TCLP lead concentration;
- RSW was assessed to apply to Stockpile WLSPQ of soil sourced from the upper 0.5 m of the soil profile from the central portion of the site, due to the TCLP lead concentration;
- RSW-Asbestos was assessed to apply (by Down to Earth (DtE)) to Stockpile A due to total BaP. The source of this stockpile was the upper 0.4 m of soil below the concrete slab in the northern portion of the site;
- The remaining fill classified as General Solid Waste non-putrescible (GSW) or General Solid Waste non-putrescible - Special Waste (asbestos) (GSW-Asbestos);
- Natural soils without ASS generally classified as Virgin Excavated Natural Soil (VENM); and

- Natural soils impacted by ASS generally classified as GSW.

Table 7: Summary of Waste Classification

Report ID	Date	Material	Classification
Down to Earth Reports			
DE-227_1rv1	16.01.18	Stockpile A	RSW-Asbestos
DE-227_2rv1	16.01.18	Stockpile B	GSW-Asbestos
DE-227_3	18.01.18	Stockpile C	GSW-Asbestos
ADE Consulting Group Reports			
SYM-06-13848/ WAC2 v1	10.04.18	Stockpiled soil	GSW
DP Reports			
R.005	12.02.18	Piling Platform and Capping Beam (including around WLBH01)	RSW, GSW-Asbestos, GSW
R.006	6.02.18	Stockpile WLSPD and WLSPF	GSW-Asbestos
R.007	1.02.18	Stockpile WLSPH, WLSPJ and WLSPK	GSW-Asbestos, GSW
R.009	5.02.18	Stockpile WLSPG	GSW
R.010	20.02.18	Stockpiles WLSPL, WLSPM and WLSPN	RSW-Asbestos, GSW-Asbestos, GSW
R.011	16.02.18	Stockpiles WLSPO, WLSPP and WLSPQ	RSW, GSW-Asbestos
R.012	20.02.18	Excavation for Piling Platform and Capping Beam	VENM
R.013	9.02.18	Stockpile WLSPR	RSW
R.014	10.17.18	Imported sandstone tunnel spoil Grids A3 to E3	GSW
R.015	23.07.18	Imported sandstone tunnel spoil Grids F3 to H3	GSW
R.016	23.03.18	Stockpile WLPLSP1	GSW
R.017	23.03.18	Stockpile WLPLSP2	GSW
R.018	4.04.18	Stockpile WLPLSP3	GSW
R.019	26.04.18	Stockpile WLPLSP4	GSW subject to ASS treatment
R.020	5.11.18	Grids A3 to C3	GSW, GSW subject to ASS treatment, VENM
R.021	15.05.18	Archaeology filling Grids I3 and J3	GSW-Asbestos
R.023	15.08.18	Grid E3, F3, H3, 0-4m	GSW, GSW-Asbestos, VENM
R.024	18.05.18	Stockpile WLSP5	GSW (treated ASS)
R.025	16.05.18	Stockpile WLSP4	GSW (treated ASS)
R.026	17.05.18	Stockpile WLSP7	GSW (treated ASS)
R.027	18.05.18	Stockpile WLSP6	GSW (treated ASS)
R.028	18.05.18	Imported aggregate	GSW
R.030	25.05.18	Stockpile WLSP8	GSW (treated ASS)
R.031	15.08.18	Grid D3 north and E3 south, including WLBH01 delineation testing	RSW, GSW-Asbestos, GSW, VENM
R.032	30.05.18	Stockpile WLSP9	GSW (treated ASS)
R.033	28.05.18	Grid A3, sands above water table	GSW, VENM
R.034	16.08.18	Grids J3-I3, 0-4m	GSW, GSW-Asbestos, VENM

Report ID	Date	Material	Classification
R.035	7.06.18	Stockpile WLSP10	GSW (treated ASS)
R.036	7.06.18	Stockpile WLSP11	GSW
R.037	20.06.18	Stockpile WLSP12	GSW (treated ASS)
R.038	27.06.18	Stockpile WLSP13	GSW
R.039	27.06.18	Stockpile WLSP14	GSW
R.040	4.07.18	Stockpile WLSP15	GSW
R.041	4.07.18	Stockpile WLSP16	GSW subject to ASS treatment
R.042	9.07.18	Stockpile WLSP17	GSW
R.043	6.07.18	Stockpile WLSP18, Imported sandstone	GSW
R.044	12.07.18	Stockpile WLSP19	GSW subject to ASS treatment
R.045	9.07.18	Grids A3-C3	VENM
R.046	10.07.18	Grids A3- C3	GSW
R.047	16.07.18	Stockpile WLSP20	GSW
R.048	13.07.18	Stockpile WLSP21A, rejected VENM [1]	GSW
R.049	16.07.18	Stockpile WLSP21B, rejected VENM [1]	GSW
R.050	19.07.18	Stockpile WLSP24	GSW
R.051	19.07.18	Stockpile WLSP 16, WLSP19	GSW (treated ASS)
R.052	26.07.18	Stockpile SP26, Imported sandstone	GSW
R.053	30.07.18	Stockpile WLSP25	GSW
R.054	30.07.18	Stockpile WLSP27	GSW
R.055	27.07.18	Piles 40 - 60	GSW
R.056	30.07.18	Grids A2, B2	VENM
R.058	3.08.18	Sand below 3m bgl	VENM
R.059	7.08.18	Clays not containing ASS	VENM
R.060	10.08.18	VENM, natural sand below 3m bgl, outside VOC area	VENM
R.061	10.08.18	Natural sand below 3mbgl, VOC area	VENM
R.062	13.08.18	Natural non-ASS clays, outside of VOC area	VENM
R.063	15.08.18	Natural non-ASS clays, VOC area	VENM
R.064	22.08.18	VENM, shale/ sandstone outside VOC area	VENM
R.065.Rev1	18.09.18	Grids A3, B3, C3	VENM
R.066.Rev.2	3.10.18	Further information on VENM, grids A3, B3, C3	VENM
R.067	28.09.18	Stockpile WLSP29S	GSW (treated ASS)
R.070	17.01.19	Shale and sandstone	VENM
R.071	10.07.19	Beneath temporary concrete slab.	VENM

Notes:

1. it is understood that this material was trucked off-site as VENM and then rejected by the proposed receiving site due to anthropogenic inclusions. Inspection of the rejected material by DP and discussion with JHCPBGJV indicated that a disused conduit and associated trench backfill had been excavated along with the surrounding natural sand and the materials had been mixed together during the excavation and loading of the trucks.

8.4 Minimisation of Cross Contamination and Waste Delineation

8.4.1 Minimisation of Cross Contamination

Waste management at the site is understood from JHCPBGJV to have included the following (which is consistent with DP’s periodic observations when on site):

- RSW is understood to have been stockpiled on hardstand, with the exception of Stockpile A (DtE Report DE-227_1rv1) which was stockpiled on geofabric;
- Fill soils were understood to have been stockpiled on hard stand wherever possible or otherwise on geofabric, with the notable exception being the movement of asbestos contaminated fill overlying areas of archaeological excavation into adjacent areas with known asbestos contaminated fill. Photograph plates B22 to B24 show stockpile management during works;
- Stockpiles of known asbestos contaminated fill were understood to have been covered;
- Asbestos contamination was generally present above the archaeological artefacts, and in most (but not all) areas involved the full depth of the fill profile. Where the asbestos contaminated fill was underlain by non-asbestos fill (based on clearly different material types with no recorded asbestos and no observed inclusions of building debris), the asbestos contaminated fill was understood to have been over excavated into the underlying, non-asbestos, fill;
- An ‘over-excavation’ policy was understood to have been adopted when excavating the fill directly on top of the underlying natural soil to remove potential impacts in the upper horizon of natural soil. DP undertook two inspections during the commencement of bulk excavation in the south of the site on 29 May and 30 May 2018 to guide site personnel on the recognition of the stratigraphic boundary between fill and natural material (refer to photograph plate B8, Appendix B). Site personnel confirmed that a precautionary approach would be adopted and that soils in the area would be excavated to the top of Coffee Rock for disposal under the same classification as the overlying fill;
- Over the remainder of the site is understood from JHCPBGJV that the over excavation policy for the removal of existing fill comprised excavating into the underlying natural sands by between 0.1 m and 0.5 m to form a level excavation base; and
- It is understood that following the removal of imported material, ex-situ stockpiles and demolition waste which had been placed on the site, JHCPBGJV removed the underlying geofabric, and a layer of the sand within the footprint of the stockpile was excavated and disposed of in line with the classification of the overlying material. This was done until only Botany Sand VENM was present at the surface.

8.4.2 Waste Delineation of RSW at WLBH01

Soil from DSI Borehole WLBH01 was provisionally classified as RSW based on two soil samples recording concentrations of PCE above the CT1 threshold (concentrations of 19 mg/kg and 32 mg/kg compared to the CT1 threshold of 14 mg/kg). No sample collected deeper in the profile than these two samples was tested. With respect to this provisional RSW, it is further understood from JHCPBGJV personnel that:

- RSW was disposed between 28 February and 2 March 2018 using Report R.05. JHCPBGJV provided the following information:
    - 623.92 t of RSW was disposed;

  - Excavation and disposal occurred between 7 February and 2 March 2018;
  - The source area was approximately 18m x 12m to a depth of 1.2m;
  - Stockpile bays, demarcated using concrete barriers, were used to store RSW from this area between excavation and disposal;
  - Site observations by JHCPBGJV recorded this RSW as fill overlaying the remains of 19th century structures and paving;
- The source area was within archeology areas G and H2;
- The archaeologist records for the area of WLBH01 indicate that it had been excavated to a depth of 1.6 m by 21 February 2018. This is below the deepest sample with recorded PCE (which was collected from 1.00 m to 1.45 m depth), no deeper samples were tested;
- Fill disposed between 9 March and 23 March 2018 (Stockpile WLSPR, Report R.013)
  - 383.5 t of RSW was disposed
  - Fill removed as part of archaeological detailed excavation and placed in Stockpile WLSPR, which was disposed of as RSW;
- DP undertook supplementary investigation to delineate the PCE identified in the DSI the area of WLBH01 between 26 April 2018 and 4 May 2018, and is the results are reported in DP Report R.031. The investigation included sampling from a test pit in the approximate location of former borehole WLBH01 (Pit BH01-TPC) and four step-out pits. A piling pad had been constructed over the natural soils by the time of this investigation. No PCE was recorded in any of the samples tested. The natural soil above the shallowest sample tested in Pit BH01-TPC was classified as RSW as no validation of the removal of previous RSW had been conducted, with approximately 20 m^3 of soil being covered by this RSW classification. Disposal records provided by JHCPBGJV for R.031 indicate waste being disposed of as GSW, GSW (Asbestos) and VENM;

Overall, whilst there are no validation samples recording the removal of all RSW, the following information is relevant to determining the likelihood of RSW from this area still being present following 23 March 2018:

- The excavation records show that all material positively identified to contain PCE (based on the availability of laboratory results with detectable concentrations of PCE) was disposed of as RSW;
- No PCE source was identified;
- The only two samples testing positive for PCE in this area were from the original Borehole WLBH01. PCE (or other VOC) was not recorded in samples from WLSPR or from the delineation samples. It therefore appears that the extent of PCE contamination was limited;
- The archaeological remains in this area would have acted as a barrier to the downward migration of the PCE; and
- It is possible that the original PCE detected in natural soil in WLBH01 was from cross contamination with the fill above.

8.5 Disposal Records

Summary disposal registers prepared by JHCPBGJV are provided in Appendix K. DP holds copies of trucking and tip dockets which can be provided upon request. DP notes that several dockets issued by State Road Constructions are illegible, and that JHCPBGJV have requested better copies, which had not been received at the time of reporting.

Table 8 provides an estimated total volume and tonnage of in situ material that was removed from the site, along with the assumed bulk density. Note the bulk density of dry fill, dry sand, wet sand and clay is expected to vary, and 1.8 T/m^3 is considered to be a reasonable average for current purposes.

Table 8: Estimated *In situ* Volumes/ Tonnages

Material	**Area** (m^2)	**Thickness** (m)	**Volume** (m^3)	**Assumed Bulk Density** (T/ m^3)	**Tonnes** (T)
Fill/ sand/ clay	5,000	9	45,000	1.8	81,000
Shale/ siltstone/ laminite	5,000	7.5	37,500	2.4	90,000
Sandstone	5,000	11.5	57,500	2.7	155,250
Total	5,000	28	140,000	-	326,250

Table 9 provides a summary of the quantities on the different classifications of waste disposed from site and the disposal facilities.

Table 9: Summary of Waste Classifications and Disposal

Waste Classification	Estimated (in situ or stockpile)		Disposed	Disposal Measurement Method	Difference	
	Volume (m^3)	Tonnes	Tonnes		Tonnes	%
GSW	20,103	36,185	36,939	Weighbridge	754	2%
GSW-Asbestos [1]	1,468	2,263	3,157	Weighbridge	894	39%
RSW [2, 3]	750	1,350	1,357	Weighbridge	7	1%
Residual (VENM)	117,679	286,451	319,854	Estimated tonnage by Loadrite system [4]	33,403	12%
Total	140,000	326,250	361,307		35,057	11%

Notes:

1 See below for more information

2 It is noted that the waste register originally recorded RSW disposed of under DtE reports as being from Stockpiles A and B. However, the total volume disposed as RSW was only consistent with Stockpile A, and that Stockpile B was classified as GSW. The site records have been checked by JHCPBGJV and were considered to be consistent with only Stockpile A having been disposed of as RSW. The disposal register has been updated accordingly.

3 RSW Stockpile WLSPL (Report R.010) is understood to have been disposed of with RSW from Stockpile WLSPQ (Report R.011)

4 The disposed weight of VENM has been calculated using the Loadrite on the excavator as commented on further below.

GSW	General Solid Waste (non-putrescible)
GSW-Asbestos	General Solid Waste (non-putrescible) - Special Waste (asbestos)
RSW	Restricted Solid Waste
VENM	Virgin Excavated Natural Material

Table 10: Summary of Waste Classifications and Disposal For GSW - Asbestos

Stockpile/ Location	Estimated (in situ or stockpile)		Tipped Mass	Difference		Report	Comments
	Volume	Mass					
	(m^3)	(T)	(T)	(T)	%		
Stockpile (assumed bulk density of 1.4 T/m^3)							
WLSPB	83.5	117	71.82	-45	-39%	DE-227_2rv1	
WLSPC	69.5	97	427.74	330	340%	DE-227_3	
WLSPD	20	28	38.34	10	37%	R.006	
WLSPF	15	21	32.54	12	55%	R.006	
WLSPK	30	42	30.52	-11	-27%	R.007	
WLSPM	30	42	66.46	24	58%	R.010	
WLSPO	80	112	159.5	48	42%	R.011	
WLSPP	100	140	21.28	-119	-85%	R.011	
Sub-Total	428	599	848	249	42%		
***In situ* (assumed bulk density of 1.6 T/m^3)**							
Grid I3 and J3	750	1,200	0	-1,200	-100%	R.021	Moved to Grids D3 and E3?
Grid E3 to F3	3,120	4,992	0	-4,992	-100%	R.023	Moved to Grids E3 and F3?
Grid D3 and E3	1,040	1,664	2,309	645	39%	R.031	
Sub-Total	4,910	7,856	2,309	-5,547	-71%		
Sub-Total Excluding Reports R.021 & R.023	1,040	1,664	2,309	645	39%		To remove 'double counting'
Total of Stockpile and *In situ*							
Total	5,338	8,455	3,157	-5,298	-63%		
Total Excluding Reports R.021 & R.023	1,468	2,263	3,157	894	39%		To remove 'double counting'

The apparent discrepancy between the estimated tonnage and disposed tonnage is expected to be due to a combination of one or more of the following:

- Stockpile volumes, areas and anticipated depths were based on visual estimates;
- The conversion between in situ volume and tonnes was based on assumed bulk densities, which are expected to provide a reasonable average, but some variation would be expected;
- Periods of inclement weather would saturate the stockpiled materials and so increase the unit weight of the material; and
- The majority of VENM was beneficially re-used at development sites rather than landfill sites and therefore the trucks did not drive across a weighbridge to deposit the material. To establish the material weights, tonnages were therefore calculated using the loadrite system on the excavator.

The number of truckloads along with the loadrite tonnages for each truck load are summarised in Appendix K.

Specifically, DP has been advised that the *in situ* GSW-Asbestos was moved between different site areas to make way for archaeological works (with waste classifications undertaken in the different areas) and then disposed of at the completion. The estimates of *in situ* volumes are expected to have been impacted by the amount of archaeology and the final depth of fill (which would be expected to be variable given the archaeology in the areas). The difference between the waste classification estimated volume and the disposed volume is therefore expected to be due to potential ‘double counting’ across the different reports and the difficulty in estimating in situ volumes for this material. The mass may also have been affected by the inclusion of building debris in the material, which may have increased the overall bulk density.

It is understood that Geofabric was place on the bare soils on site and the asbestos impacted material was placed on the Geofabric. Removal of the asbestos impacted material is understood to have been undertaken by ASP Australia under the Supervision of Leon Johnstone (licence number LAA001191) who provided a clearance certificate for the area, Appendix G.

Overall the disposal records are considered to be reflective of the expected waste material generated from the site.

8.6 Receiving Site Register

JHCPBGJV provided a register of waste receivers for the Sydney Metro City & South West - Tunnel and Station Excavation Works Package, which is provided in Appendix K. The register includes the EPL / Planning approval reference and the wastes that can be accepted.

It is noted that this includes facilities which did not receive waste from the subject site.

Volumes of tipped material at each receiving site is included on the waste disposal summary provided by JHCPBGJV within Appendix K.

8.7 Water Treatment and Disposal

Water was treated on-site and tested prior to disposal. Discharge volumes and dates are provided in Appendix L.

Testing included:

- On site testing for pH, TDS and inspection for oil and grease prior to discharge. These results are provided in Appendix L, with no issues of concern identified; and
- Quarterly monitoring for potential contaminants: VOC, TRH, BTEX, PAH, OCP, metals (total and dissolved), phenols, oil and grease, total suspended solids (TSS), turbidity, pH and alkalinity.

Where failures of the thresholds for the disposal to stormwater were recorded the water was either retreated or disposed of to a liquid waste facility (as recorded in Appendix L). Most of the failures are understood to have occurred during the initial start-up period prior to installation of the final treatment plant. DP had not received the laboratory reports for the start-up period at the time of issue of this report.

8.8 Comments

Prior to removal of waste materials from site, DP understands that JHCPBGJV carried out a receival site review and approval process which included reviewing receiving site consent and licensing documentation. All approved sites are included in the Waste and Spoil Site Register (SMCSWTSE-JCG-TPW-EM-REG-026177) along with details of the materials that the site is able to legally accept as detailed on the receival site EPL. A (filtered) copy of the register presenting the sites which received Waterloo material is presented in Appendix K. DP has not checked the EPL or DA documentation referenced in the provided records.

9. Validation Results

Whilst systematic validation of the site surface was not undertaken across the entire site following the removal of fill, DP undertook a significant number of in-situ assessments for VENM (e.g., VOC trench screening) and stockpile (ex-situ) waste classifications. On this basis, and the results from the perimeter piling records JHCPBGJV had a good understanding of the expected boundary between the fill and the natural deposits. DP considers that based on the results of the in-situ classifications, in conjunction with the JHCPBGJV over-excavation policy described in Section 8.4, there is a sufficient level of confidence that the fill was appropriately removed from site and that the potential for cross contamination was appropriately managed.

9.1 On-Site Supplementary Contamination Investigation Results

DP R.068 provided the results of the on-site supplementary contamination investigation. Test locations are shown on drawings in Appendix A and field records and a summary of laboratory results, including soil types and depths, are included in Appendix E.

To meet the objectives, the sample design included:

- Placing test locations in a generally systematic location across the site (taking into account previous test results) to provide overall site coverage for ASS and waste classification;
- Test locations targeting the area adjacent to the former off-site dry cleaner;
- Targeting the combined groundwater and vapour wells and the strata of concern (namely the sand/ clay interface and the clay / rock interface);
- Targeting the former area of VOC recorded above the General Solid Waste thresholds (WLBH01); and
- Targeting laboratory analysis on the primary Contaminants of Potential Concern (COPC), with additional testing for other COPC and potential COPC.

The investigation results included:

Soil

- Further information on waste classification and ASS, which was used to inform the spoil management as discussed herein; and
- All soil results were within the SAC.

Groundwater

Groundwater results identified the following:

- PCE, at one location (adjacent to the former off-site dry cleaner) at a concentration of 150 µg/L compared to the groundwater investigation level (GIL) (low reliability interim working level) of 70 µg/L;
- Other VOC (1,2,4-trimethyl benzene, chloroform and dibromochloromethane) at concentrations not considered to be of concern;
- Cadmium, chromium, copper, lead and zinc at concentrations above the GIL, but not considered to be of concern. Copper and zinc were within expected background concentrations, and cadmium, chromium and lead results were at or only slightly above the GIL and were each limited to only one round of groundwater sampling;
- OCP above the PQL. No source of the OCP was identified and the results were considered likely to be generally consistent with groundwater quality in the area of the site; and
- Polycyclic aromatic hydrocarbons (PAH) (phenanthrene) at concentrations not considered to be of concern.

Soil Vapour

All vapour results were less than the referenced guideline levels with the exception of those below, which were recorded in Sample WLMW103 (March 2018). Well WLMW103 was destroyed before it could be resampled.:

- PCE detected above the interim HIL (30,000 µg/m^3 compared to the interim HIL of 8,000 µg/m^3); and
- Trichloroethene (TCE) having a PQL elevated above the interim heath investigation level (HIL) (PQL of 130 µg/m^3 compared to the HIL of 80 µg/m^3).

The common contaminants from dry cleaning which were recorded above the PQL are as follows:

PCE:

- PCE was recorded above the PQL in ten of the fifteen samples analysed, including one or more samples from wells WLMW102, WLMW102A, WLMW103, WLMW104, WLMW105 and WLMW106A;
- The well recording the highest (WLMW103 as above) and second highest PCE results (Well WLMW106A, 3,200 µg/m^3 in May 2018), were both destroyed/ lost/ inaccessible at the time of subsequent SVME. A deeper well constructed adjacent to WLMW106A (well WLMW106) was destroyed by site activities before it could be sampled. These wells were constructed in the vicinity of the former off-site dry cleaner; and

- In general, VOC results from the deeper wells targeting the clay / shale interface were higher than from the adjacent shallower wells (where constructed) targeting the sand/ clay interface.

TCE:

- TCE was recorded above the PQL but below the interim HIL in three of the fifteen samples analysed, all collected in May 2018. TCE was recorded in samples from wells WLMW101, WLMW102A and WLMW104.

1,1,1-Trichloroethane (1,1,1-TCA) and 1,2-Dichloroethane (1,2-DCA):

- 1,1,1-TCA and 1,2-DCA were recorded above the PQL in two of the fifteen samples analysed, both collected in March 2018. 1,1,1-TCA and 1,2-DCA were recorded in samples from wells WLMW102 and WLMW105.

Overall, it is considered that results indicate that, without remediation, there was a potential risk to human health from VOC contamination under the proposed development. The results were consistent with the source of the contamination being the off-site former dry cleaner. The extent of the contamination within the site at concentrations presenting a risk to human health was considered to be limited.

The excavation and dewatering required for the construction of the station box is considered appropriate to remove contamination which has already migrated onto the site.

The results indicate that contamination from the former off-site dry cleaner has migrated onto the site. The potential for future migration will be addressed by the Station Box Contractor.

9.2 Off-Site Supplementary Contamination Investigation Results

Based on the results of the on-site investigation it is considered that off-site VOC contamination sourced from the former off-site dry cleaner has impacted the site, and without remediation or management, is likely to continue to impact the site. Impacts are expected to comprise VOC contamination groundwater and VOC in soil vapour.

Off-site investigation was beyond the contractual obligations of JHCPBGJV and DP. This issue will be addressed by the Station Box Contractor.

9.3 VOC Trench Screening

A trench was constructed along the site boundary in the identified VOC Area of Concern associated with the adjacent off-site former dry cleaner. Photographs of the trench works are provided in Appendix B (Photoplates B1 to B3), and documentation is provided in Appendix I.

DP (R.059) defined the VOC Area of Concern as:

- Soil to 1 m into clay: 15 m either side of the boundary between the site and the former off-site dry cleaner and 15 m into the site (i.e., approximately 40 m north-south by 15 m east-west); and
- Below 1 m into clay: To be determined based on observations at shallower depths.

The screening was used as part of the finalisation of the VENM assessment of natural soils in the VOC Area of Concern and to identify the presence of any preferential migration pathways between the former off-site dry cleaner and the site.

The screening was undertaken in accordance with DP R.069, as follows: "*The screening will comprise taking photo-ionisation detector (PID) readings on samples collected from each screening location / depth. The sample will be placed in a sealed snap lock bag and allowed to equilibrate with air within the bag for approximately 2-5 minutes. The PID intake will then be inserted into the bag and a reading recorded. Selected samples, including any samples with elevated PID readings will also be screened using a Kitagawa Tube in accordance with its instructions.*"

Kitagawa Tubes for tetrachloroethylene (PCE) (Tube no. 135SA) with a detection range of between 2.1 ppm to 300 ppm were used. The detection range for any single sample is dependent on the number of pump strokes of air used to pull the sample through the tube. DP used one pump stroke for each sample, giving a detection limit 5 ppm. The tubes record positive results for PCE, and are also subject to interference at the ppm level from vinyl chloride, HCl, 1, 2-dichloroethylene, trichloroethylene and Cl_2.

Five rounds of trench screening inspections were undertaken by DP personnel between 24 July 2018 and 16 November 2018. No buried pipes or signs of concern, such as other preferential pathways, staining or odours were observed during the inspection of the trenches. PID and Kitigawa tube readings were undertaken during the excavation with all PID results less than 1 ppm and no positive results recorded in the Kitagawa Tubes. Each round of screening was followed by email advice sent to JHCPBGJV with the results of the screening and the areas which had been cleared. These emails were compiled within the RAP addendum prepared by JHCPBGJV, which is included in DP (R.069).

No detectable VOC was identified in the screening. Based on the screening the natural soils in this area were classified as VENM.

9.4 Final Inspection

A final inspection was undertaken by DP on 5 July 2019. Photographs are provided in Appendix B (Photoplates B19 to B20). At this time the site had been excavated into sandstone bedrock. A temporary concrete slab that had been constructed to assist the tunnel boring machine, and this was partially removed at the time of inspection.

No signs of contamination concern were noted.

Some additional excavation was proposed, and DP provided a VENM classification for the underlying sandstone.

10. Post Remediation Conceptual Site Model

Table 11 shows the post remediation CSM.

An area of environmental concern (AEC) remains present to the west of the central portion of the site due to the potential for ongoing VOC impacts associated with the former Dry Cleaner (refer to Drawing 1, Appendix A). This AEC is part of the 'Worksite Area' and is outside of the TSE scope. This AEC does, however present a potential risk to the site as a source of contaminated groundwater and soil vapours which could migrate to the station box. These risks have not been quantified and are understood to be the responsibility of the follow-on contractor to investigate. Investigation of the Worksite Area has been undertaken by Golder-DP as referenced in Section 2.1.

On-site risks associated with the TSE scope of work have been removed and at the time of preparation of this report there are no other identified risks associated with contamination at the site.

Table 11: Post-Remediation Conceptual Site Model

Source	Transport Pathway	Receptor	Comment
Off-site VOC contamination (groundwater and soil vapour) (former dry cleaner)	Inhalation of vapours	Future site users	This will be addressed by the Follow-on Contractor

11. Site Suitability Conclusions and Recommendations

Based on the information provided herein, it is considered that all on-site sources of contamination have been removed. One off-site source with the potential to impact future site users has been identified, namely VOC contamination associated with a former off-site dry cleaner immediately to the west of the site. Remediation / management of potential risks from this off-site source to on-site users will be addressed by the Follow-on Contractor as part of the station construction works.

As the works to be undertaken to render the site suitable for the station land use are the responsibility of the Follow-on Contractor, the exact scope and nature of these works has not been determined herein. Options include remediation of the off-site source and / or site-specific risk assessment to determine if the actual risk to site users is acceptable (or unacceptable) and / or determining if construction of a barrier preventing contamination migrating onto the site is necessary.

DP does, however, note that the potential risk from the off-site VOC contamination will be further limited by the already constructed secant pile wall, the proposed tanking of the station, and the station ventilation system (once constructed).

The works to confirm the final suitability of the site for use as a station should include documentation (e.g., as an addendum to this Validation Report) of the works undertaken, the results of these works and a definitive comment on the suitability of the site for the station land use. The documentation should also clearly describe any ongoing management requirements. If ongoing management is required, a Long-Term Environmental Management Plan or equivalent will be necessary.

12. References

12.1 Guidelines

- *Australian and New Zealand Guidelines for Fresh and Marine Water Quality.* Australian and New Zealand Governments and Australian state and territory governments, Canberra ACT, Australia. Available at www.waterquality.gov.au/anz-guidelines (ANZG 2018);
- Australian and New Zealand Environment and Conservation Council (ANZECC) / Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ) *Australian and New Zealand Guidelines for Fresh and Marine Water Quality* (2000) (ANZECC, 2000) [referenced for background concentrations in natural soils];
- National Environment Protection Council (NEPC) *National Environment Protection (Assessment of Site Contamination) Measure 1999* (as amended 2013) (NEPC, 2013);
- National Environment Protection Council (NEPC) *National Environment Protection (Assessment of Site Contamination) Measure 1999* (NEPC, 1999) [referenced for background concentrations in natural soils];
- National Health and Medical Research Council (HNMRC) and National Resource Management Ministerial Council (NRMMC) *National Water Quality Management Strategy Australian Drinking Water Guidelines* 6 2011, (V3.2 updated October 2017) (NHMRC, 2011) (ADWG);
- National Health and Medical Research Council (NHMRC) *Guidelines for Managing Risks in Recreational Water* (2008) (NHMRC, 2008) (GMRRW);
- NSW Department of Environment and Conservation (DEC) *Contaminated Sites: Guidelines for the Assessment and Management of Groundwater Contamination* (2007) (DEC, 2007);
- NSW Environment Protection Authority (EPA) *Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme 3rd edition* (2017) (EPA, 2017);
- NSW Environment Protection Authority (EPA) *Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997* (2015) (EPA, 2015);
- NSW Environment Protection Authority (EPA) *Waste Classification Guidelines* (2014) (EPA, 2014);
- NSW Environment Protection Authority (EPA) *Guidelines for the Assessment and Management of Sites Impacted by Hazardous Ground Gases* (2012) (EPA, 2012);
- NSW Environment Protection Authority (EPA) *Contaminated Sites: Sampling Design Guidelines* (1995) (EPA, 1995); and
- NSW Office of Environment and Heritage (OEH) *Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites* (reprinted 2011) (OEH, 2011).

12.2 Previous Reports

- ADE Consulting Group (ADE) *Waste Analysis & Classification Report, Waterloo Station Site, Botany Road and Cope Street, Waterloo NSW,* Ref SYM-06-13848 / WAC2 v1 final, dated 10th April 2018 (ADE, 2018);
- AMBS Schedule B22 Archaeological Site Clearance Certificate for part E/C and C1 of Artefact Risk Area 2 – Waterloo Station site, issued 20 April 2018 (Archaeological Clearance Certificate);

- DP Memorandum, *Record of VENM Inspection #1, Building C – West End Residences, Glebe*, Project 45893.04, dated 28 October 2017 (DP, 2017);
- DP *Report on Preliminary Site Investigation, Sydney Metro City and South West, Tunnel and Station Excavation Works Package, Proposed Waterloo Dive, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.001 Rev0, dated 18 March 2018 (R.001) (PSI);
- DP *Report on Detailed Site Investigation, Sydney Metro City and South West, Tunnel and Station Excavation Works Package, Proposed Waterloo Dive, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.002 Rev1, dated 13 March 2018 (R.002) (DSI);
- DP Memorandum, *Sydney Metro City & SW TSE Works Waterloo – Unexpected Find #1*, Ref 85608.14.R.003.Rev0, dated 10 November 2017 (R.003);
- DP, *Remediation Action Plan, Sydney Metro City & SW –Tunnel & Station Excavation Works Package, Proposed Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref: 85608.14.R.004.Rev0, dated April 2018 (R.004) (RAP);
- DP *Waste Classification - Piling Platform and Capping Beam Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo*, Ref 85608.14.R.005.Rev1, dated 12 February 2018 (R.005);
- DP *Waste Classification - Stockpile WLSPD and WLSPF Sydney Metro City & South West - Waterloo Site, Botany Road, Waterloo*, Ref 85608.14.R.006.Rev0, dated 6 February 2018 (R.006);
- DP *Waste Classification – Stockpiles WLSPH, WLSPJ and WLSPK Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station, Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.007.Rev0, dated 1 Febraury 2018 (R.007);
- DP *Acid Sulfate Soil Management Plan Sydney Metro City and South West, Tunnel and Station Excavation Works Package, Proposed Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.008.Rev1, dated June 2018 (R.008) (ASSMP);
- DP *Waste Classification – Stockpile WLSPG Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station, Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.009.Rev0, dated 5 February 2018 (R.009);
- DP *Waste Classification – Stockpiles WLSPL, WLSPM and WLSPN Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.010.Rev0, dated 20 February 2018 (R.010);
- DP *Waste Classification - Stockpile WLSPO, WLSPP and WLSPQ Sydney Metro City & South West - Waterloo Site, Botany Road, Waterloo*, Ref 85608.14.R.011.Rev0, dated 16 February 2018 (R.011);
- DP *VENM Assessment – Piling Platform and Capping Beam at 156 to 174 Cope St, Waterloo Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo*, Ref 85608.14.R.012.Rev0, dated 20 February 2018 (R.012);
- DP *Waste Classification - Stockpile WLSPR Sydney Metro City & South West - Waterloo Station Site*, Ref 85608.14.R.013.Rev0, dated 9 March 2018 (R.013);
- DP *VENM Assessment – Piling Platform and Capping Beam at 156 to 174 Cope St, Waterloo Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo*, Ref 85608.14.R.012.Rev0, dated 20 February 2018 (R.014);

- DP *Waste Classification – Imported Sandstone Tunnel Spoil – Grids F3 to H3 Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station, Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW,* Ref 85608.14.R.015.Rev0, dated 23 July 2018 (R.015);
- DP, *Waste Classification – Stockpile WLPLSP1, Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.016.Rev0, dated March 2018 (R.016);
- DP, Waste Classification – Stockpile WLPLSP2, *Sydney Metro City & South West TSE Waterloo Station, Botany Road and Cope Street, Waterloo,* Ref 85608.14.R.017.Rev0, dated 28 March 2018 (R.017);
- DP *Waste Classification – Stockpile WLPLSP3 Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.018.Rev0, dated 4 April 2018 (R.018);
- DP *Waste Classification – Stockpile WLPLSP4 Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station, Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW,* Ref 85608.14.R.019.Rev0, dated 26 April 2018 (R.019);
- DP, *In Situ Waste Classification – Grids A3, B3 and the Southern Portion of C3, Sydney Metro City and South West – Waterloo Station, Botany Road, Waterloo,* Ref 85608.14.R.020.Rev0, dated May 2011 (R.020);
- DP *Waste Classification – Filling in Archaeology Works Area Grids I3 and J3 Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.021.Rev0, dated 15 May 2018 (R.021);
- Note: no final report R.022 issued;
- DP *In Situ Waste Classification – Northern Section of Grid E3 and Grid F3 to Grid H3, 0 m to 4 m bgl Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW,* Ref 85608.14.R.023.Rev0, dated May 2018 (R.023);
- DP *Waste Classification – Stockpile WLSP5 Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.024.Rev0, dated 18 May 2018 (R.024);
- DP *Verification of ASS Treatment – Stockpile WLPLSP4 Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo,* Ref 85608.14.R.025.Rev0, dated 16 May 2018 (R.025);
- DP *Waste Classification – Stockpile WLSP7 Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo,* Ref 85608.14.R.026.Rev0, dated 17 May 2018 (R.026);
- DP *Waste Classification – Stockpile WLSP6 Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo,* Ref 85608.14.R.027.Rev0, dated 18 May 2018 (R.027);
- DP *Imported Aggregate Waste Classification Assessment Sydney Metro City & South West - Tunnel and Station Excavation Works Package Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.028, dated 18 May 2018 (R.028);
- DP *Management of Contaminated Groundwater Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.029.Rev0, dated 18 May 2018 (R.029);
- DP *Waste Classification – Stockpile WLSP8 Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo,* Ref 85608.14.R.030.Rev0, dated 25 May 2018 (R.030);

- DP *In Situ Waste Classification – Grid D3 North and Grid E3 South Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW,* Ref 85608.14.R.031.Rev1, dated 15 August 2018 (R.031);
- DP *Waste Classification – Stockpile WLSP9 Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo,* Ref 85608.14.R.032.Rev0, dated 30 May 2018 (R.032);
- DP *Waste Classification – Natural Sands Above the Water Table in Grid A3 Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.033.Rev0, dated 28 May 2018 (R.033);
- DP *In Situ Waste Classification – Grid J3 and Grid I3, 0 m to 4 m bgl Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.034.Rev1, dated 16 August 2018 (R.034);
- DP *Waste Classification – Stockpile WLSP10 Sydney Metro City & South West - Waterloo Station, Botany Road and Cope Street, Waterloo,* Ref 85608.14.R.035.Rev0, dated 7 June 2018 (R.035);
- DP *Waste Classification – Stockpile WLSP11 Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station, Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.036.Rev0, dated 7 June 2018 (R.036);
- DP *Waste Classification – Stockpile WLSP12 Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.037.Rev0, dated 20 June 2018 (R.037);
- DP *Waste Classification – Stockpile WLSP13 Sydney Metro City & South West - Waterloo Station Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.038.Rev0, dated 27 June 2018 (R.038);
- DP *Waste Classification – Stockpile WLSP14 Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.039.Rev0, dated 27 June 2018 (R.039);
- DP *Waste Classification – Stockpile WLSP15 Sydney Metro City & South West - Waterloo Station Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.040.Rev0, dated 4 July 2018 (R.040);
- DP *Waste Classification – Stockpile WLSP16 Sydney Metro City & South West - Tunnel and Station Excavation Works Package*, *Proposed Waterloo Dive, Botany Road and Cope Street, Waterloo,* Ref 85608.14.R.041.Rev0, dated 4 July 2018 (R.041);
- DP *Waste Classification – Stockpile WLSP17 Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.042.Rev0, dated 9 July 2018 (R.042);
- DP *Imported Sandstone Waste Classification - Stockpile WLSP18 Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station, Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW,* Ref 85608.14.R.043.Rev0, dated 6 July 2018 (R.043);
- DP *Waste Classification – Stockpile WLSP19 Sydney Metro City & South West - Tunnel and Station Excavation Works Package*, *Proposed Waterloo Dive, Botany Road and Cope Street, Waterloo,* Ref 85608.14.R.044.Rev0, dated 12 July 2018 (R.044);
- DP *In Situ VENM Classification: Natural Sand and Clayey Sand in Grids A3, B3 and Southern Portion of C3 Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo*, Ref 85608.14.R.045.Rev0, dated 9 July 2018 (R.045);

- DP *In Situ Fill Waste Classification – Grids A3, B3 and the Southern Portion of C3 Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station, Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.046.Rev0, dated 10 July 2018 (R.046);
- DP *Waste Classification – Stockpile WLSP20 Sydney Metro City and South West, Tunnel and Station Excavation Works Package, Proposed Waterloo Dive, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.047.Rev0, dated 16 July 2018 (R.047);
- DP *Waste Classification – Stockpile WLSP21A Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW* Ref 85608.14.R.048.Rev1, dated 13 July 2018 (R.048);
- DP *Waste Classification – Stockpile WLSP21B Sydney Metro City & South West - Waterloo Station Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.049.Rev0, dated 16 July 2018 (R.049);
- DP *Waste Classification – Stockpile WLSP24 Sydney Metro City and South West, Tunnel and Station Excavation Works Package, Proposed Waterloo Dive, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.050.Rev0, dated 19 July 2018, (R.050);
- DP *Waste Classification – Treated Stockpiles WLSP16 and WLSP19 Sydney Metro City & South West - Waterloo Station Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.051.Rev0, dated 19 July 2018 (R.051);
- DP *Waste Classification - Stockpile 26 Sydney Metro City & South West - Tunnel and Station Excavation Works Package – Waterloo Station Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.052.Rev0, dated 26 July 2018 (R.052);
- DP *Waste Classification – Stockpile WLSP25 and Materials to be Recovered from Pile 292 to Pile 39 Sydney Metro City & South West - Waterloo Station Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.053.Rev0, dated 30 July 2018 (R.053);
- DP *Waste Classification – Stockpile WLSP27 Sydney Metro City & South West - Waterloo Station Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.054.Rev0, dated 30 July 2018 (R.054);
- DP *Waste Classification – Piles 40 to 60 Sydney Metro City & South West - Waterloo Station Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.055.Rev0, dated 27 July 2018 (R.055);
- DP *In Situ Classification: Blocks A2, B2 Lift 2 (Part of Excavation Grid A2) Natural Sand and Silty Sand Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo*, Ref 85608.14.R.056.Rev0, dated 30 July 2018 (R.056);
- DP *Review of the Expected Extent of Acid Sulfate Soil Sydney Metro City & South West - Tunnel and Station Excavation Works Package – Waterloo Station Botany Road and Cope Street, Waterloo,* Ref 85608.14.R.057.Rev0, dated 2 August 2018 (R.057);
- DP *In Situ VENM Assessment: Natural Sand Below 3 m bgl Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.058.Rev0, dated 3 August 2018 (R.058);
- DP *In Situ VENM Assessment: Natural Sandy Clay, Clayey Sand and Clay Not Containing Acid Sulfate Soil Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.059.Rev0, dated 7 August 2018 (R.059);
- DP *In Situ VENM Assessment: Natural Sand Below 3 m bgl Outside of VOC Area of Concern Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.060.Rev0, dated 10 August 2018 (R.060);

- DP *In Situ VENM Assessment: Natural Sand Below 3 m bgl VOC Area of Concern Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.061.Rev0, dated 10 August 2018 (R.061);
- DP *In Situ VENM Assessment: Natural Sandy Clay, Clayey Sand and Clay Not Containing Acid Sulfate Soil, Outside of VOC Area of Concern, Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station, Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW, NSW,* Ref 85608.14.R.062.Rev0, dated 13 August 2018 (R.062);
- DP *In Situ VENM Assessment: Natural Sandy Clay, Clayey Sand and Clay Not Containing Acid Sulfate Soil within the VOC Area of Concern Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.063.Rev0, dated 15 August 2018 (R.063);
- DP *In Situ VENM Assessment: Natural Shale and Sandstone Bedrock Outside of VOC Area of Concern, Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station, Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW, NSW,* Ref 85608.14.R.064.Rev0, dated 22 August 2018 (R.064);
- DP *Supplementary In Situ VENM Assessment: Natural Clays, Shale and Sandstone Bedrock Grids A3, B3 and South of C3*, *Sydney Metro City & South West - Tunnel and Station Excavation Works Package Station, Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW, NSW,* Ref 85608.14.R.065.Rev1, dated 18 September 2018 (R.065);
- DP *Further Information on VENM Assessment: Natural Clay, Shale and Sandstone Bedrock - Grids A3, B3 and Southern Portion of C3 Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW*, Ref 85608.14.R.066.Rev2, dated 3 October 2018 (R.066);
- DP *Waste Classification – Treated Stockpile WLSP29 Sydney Metro City & South West - Waterloo Station Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.067.Rev0, dated 28 September 2018 (R.067);
- DP, *Factual Report on On-Site Supplementary Contamination Investigations Sydney Metro City & South West, Tunnel & Station Excavation Works Package Proposed Waterloo Station, Botany Road and Cope Street, Waterloo*, Ref 85608.14.R.068.Rev0, dated 19 September 2018 (R.068)(Supplementary Report);
- DP Memorandum Sydney Metro City & South West - Tunnel and Station Excavation Works Package Ref 85608.14 R.069, dated 17 January 2019) (R.069);
- DP *In Situ VENM Assessment: Natural Shale and Sandstone Bedrock Sydney Metro City & South West - Waterloo Station, Botany Road, Waterloo, NSW* Ref 85608.14.R.070.Rev0, dated 17 January 2019 (R.070);
- DP Memorandum *Subject: Sydney Metro City & South West - TSE Works Package - Waterloo Station* Ref 85608.14 R.071, dated 10 July 2019) (R.071);
- Down to Earth (Geotechnical & Environmental) *RE: Waste and Material Classification Stockpile 'A' At The Proposed Waterloo Station 87 Botany Road, Waterloo, Sydney* Ref DE-227_1rv1, dated 16 January 2018 (DE-227_1rv1);
- Down to Earth (Geotechnical & Environmental) *RE: Waste and Material Classification Stockpile 'B' At The Proposed Waterloo Station 87 Botany Road, Waterloo, Sydney* Ref DE-227_2rv1, dated 16 January 2018 (DE-227_2rv1);

- Down to Earth (Geotechnical & Environmental) *RE: Waste and Material Classification Stockpile 'C' At The Proposed Waterloo Station 87 Botany Road, Waterloo, Sydney* Ref DE-227_3, dated 18 January 2018 (DE-227_3);
- Environmental Investigations Australia Pty Ltd (EI), *Detailed Site Investigation, 59-63 Botany Road, Waterloo NSW*, Report E22749 AA_Rev0, dated 27 November 2015 (EI, 2015a);
- EI, *Remediation Action Plan, 59-63 Botany Road, Waterloo NSW*, Report E22749 AB_Rev0, dated 15 December 2015 (EI, 2015b);
- EI, *Response to Auditor Review of Reports – 59-63 Botany Road, Waterloo NSW*, Report E22749 AC_Rev0, dated 21 March 2016 (EI, 2016);
- Pells Sullivan Meynink (PSM) *Sydney Metro City & Southwest – TSE DP-R-020 Hydrogeological Interpretive Report* SMCSWTSE-JPS-TPW-GE-RPT-110003-D Assured for Construction (AFC) (Contract Number: TSE, Document Number SMCSWTSE-JPS-TPW-GE-RPT-110003-D, Revision D, 19/03/2018) (PSM, 2018); and
- WSP Visual Clearance Certificate 89 Botany Rd, Waterloo (South-eastern boundary), dated 23 January 2018 (Certificate #: 2270149A_Visual Clearance Inspection_Asp_20180123_04) (Asbestos Clearance Certificate).

13. Abbreviations

ACM	Asbestos containing materials
ADE	ADE Consulting Group
ADWG	Australian Drinking Water Guidelines (refer to references)
AHD	Australian height datum
ANZECC	Australian and New Zealand Environmental & Conservation
As	Arsenic
ASS	Acid sulphate soil
ASSMP	Acid sulphate soil management plan
BaP	Benzo(a)pyrene
BaP TEQ	Benzo(a)pyrene toxic equivalent
bgl	Below ground level
BH	Borehole
BTEX	Benzene, toluene, ethylbenzene, xylenes
Cd	Cadmium
CLM Act	Contaminated Land Management Act 1997
COC	Chain of custody
COPC	Contaminants of potential concern
Cr	Chromium
CSM	Conceptual site model
CT	Contaminant threshold

Cu	Copper
1,2-DCA	1,2-Dichloroethane
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
DNAPL	Dense non-aqueous phase liquid
DP	Douglas Partners Pty Ltd
D.P.	Deposited Plan
DQI	Data quality indicator
DQO	Data quality objective
DSI	Detailed site (contamination) investigation
Eh	Redox potential
ELS	Envirolab Services Pty Ltd
ENM	Excavated natural material (in accordance with the *EPA The excavated natural material order* 2014, or superseding documents)
EPA	NSW Environment Protection Authority
EP&A Act	Environmental Planning and Assessment Act (1979)
EPL	Environment Protection Licence
GIL	Groundwater investigation level
GMRRW	Guidelines for Managing Risks in Recreational Water (refer to References)
GSW	General Solid Waste non-putrescible
GW	Groundwater
Hg	Mercury
HIL	Heath investigation level
HMTV	Hardness modified trigger value
HSL	Health screening level
JHCPBGJV	John Holland CPB Ghella Joint Venture
LNAPL	Light non-aqueous phase liquid
LOR	Limit of reporting
MW	Monitoring well
N/A	Not applicable
NATA	National Association of Testing Authorities
ND(nd)	Not detected above the practical quantitation limit
NHMRC	National Health and Medical Research Council
NEPC	National Environment Protection Council
NEPM	National Environmental Protection (Assessment of Site Contamination) Measure
Ni	Nickel
NL	Not limiting

NRMMC	National Resource Management Ministerial Council
OCP	Organochlorine pesticides
OPP	Organophosphate pesticides
PAH	Polycyclic aromatic hydrocarbons
Pb	Lead
PCB	Polychlorinated biphenyls
PCE	Tetrachloroethene
pH	Unit measure of acidity/ alkalinity
PID	Photoionisation detector
POEO Act	Protection of the Environment Operations Act 1997
PSI	Preliminary site investigation
PSH	Phase separated hydrocarbons
PQL	Practical quantitation limit
QA	Quality assurance
QA/QC	Quality assurance/ quality control
QC	Quality control
RAP	Remediation action plan
RL	Reduced level
RPD	Relative percentage difference
RRE	Resource recovery exemption under clauses 91 and 92 of the NSW 2014 Waste Regulation
RRO	Resource recovery order under clause 93 of the NSW 2014 Waste Regulation
RSW	Restricted Solid Waste
SAC	Site assessment criteria
SAQP	Sampling and analysis quality plan
SCC	Specific contaminant concentration
SD	Standard deviation
SEPP 55	State Environmental Planning Policy No. 55 – Remediation of Land
SWMS	Safe work method statement
1,1,1-TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
TDS	Total dissolved solids
TPH	Total petroleum hydrocarbons
TRH	Total recoverable hydrocarbons
TSS	Total suspended solids
UCL	Upper confidence limit
VENM	Virgin excavated natural material
VOC	Volatile organic compounds

WHS	Work health and safety
Zn	Zinc
Mathematical	
ha	Hectares
km	Kilometre
L	Litre
m	Metre
mL	Millilitres
mm	Millimetre
m^2	Square metre
mg/kg	Milligrams per kilogram
mg/L	Milligrams per litre
µg/L	Microgram per litre
µS/cm	MicroSiemens per centimetre
ppb	Parts per billion
ppm	Parts per million
%	Percent
<	Less than
≤	Equal to or less than
>	Greater than
≥	Equal to or greater than

14. Limitations

Douglas Partners (DP) has prepared this report (or services) for the proposed Victoria Cross North Access Shaft for the Sydney Metro City South West, Tunnel and Station Excavation Works Package in accordance with DP's proposal (85608.01.P.001) dated 26 July 2017. The work was carried out under the Contract Agreement Number: SM2-CON-00007 dated 26 October 2017. This report is provided for the exclusive use of John Holland CPB Contractors Ghella Joint Venture for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of DP, does so entirely at its own risk and without recourse to DP for any loss or damage. In preparing this report DP has necessarily relied upon information provided by the client and/or their agents.

The results provided in the report are indicative of the sub-surface conditions on the site only at the specific sampling and/or testing locations, and then only to the depths investigated and at the time the work was carried out. Sub-surface conditions can change abruptly due to variable geological processes and also as a result of human influences. Such changes may occur after DP's field testing has been completed.

DP's advice is based upon the conditions encountered during this investigation. The accuracy of the advice provided by DP in this report may be affected by undetected variations in ground conditions across the site between and beyond the sampling and/or testing locations. The advice may also be limited by budget constraints imposed by others or by site accessibility.

This report must be read in conjunction with all of the attached and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion stated in this report.

This report, or sections from this report, should not be used as part of a specification for a project, without review and agreement by DP. This is because this report has been written as advice and opinion rather than instructions for construction.

The contents of this report do not constitute formal design components such as are required, by the Health and Safety Legislation and Regulations, to be included in a Safety Report specifying the hazards likely to be encountered during construction and the controls required to mitigate risk. This design process requires risk assessment to be undertaken, with such assessment being dependent upon factors relating to likelihood of occurrence and consequences of damage to property and to life. This, in turn, requires project data and analysis presently beyond the knowledge and project role respectively of DP. DP may be able, however, to assist the client in carrying out a risk assessment of potential hazards contained in the Comments section of this report, as an extension to the current scope of works, if so requested, and provided that suitable additional information is made available to DP. Any such risk assessment would, however, be necessarily restricted to the (geotechnical / environmental / groundwater) components set out in this report and to their application by the project designers to project design, construction, maintenance and demolition.

Douglas Partners Pty Ltd

Appendix A

About This Report

Drawings

About this Report

Introduction

These notes have been provided to amplify DP's report in regard to classification methods, field procedures and the comments section. Not all are necessarily relevant to all reports.

DP's reports are based on information gained from limited subsurface excavations and sampling, supplemented by knowledge of local geology and experience. For this reason, they must be regarded as interpretive rather than factual documents, limited to some extent by the scope of information on which they rely.

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Borehole and Test Pit Logs

The borehole and test pit logs presented in this report are an engineering and/or geological interpretation of the subsurface conditions, and their reliability will depend to some extent on frequency of sampling and the method of drilling or excavation. Ideally, continuous undisturbed sampling or core drilling will provide the most reliable assessment, but this is not always practicable or possible to justify on economic grounds. In any case the boreholes and test pits represent only a very small sample of the total subsurface profile.

Interpretation of the information and its application to design and construction should therefore take into account the spacing of boreholes or pits, the frequency of sampling, and the possibility of other than 'straight line' variations between the test locations.

Groundwater

Where groundwater levels are measured in boreholes there are several potential problems, namely:

- In low permeability soils groundwater may enter the hole very slowly or perhaps not at all during the time the hole is left open;
- A localised, perched water table may lead to an erroneous indication of the true water table;
- Water table levels will vary from time to time with seasons or recent weather changes. They may not be the same at the time of construction as are indicated in the report; and
- The use of water or mud as a drilling fluid will mask any groundwater inflow. Water has to be blown out of the hole and drilling mud must first be washed out of the hole if water measurements are to be made.

More reliable measurements can be made by installing standpipes which are read at intervals over several days, or perhaps weeks for low permeability soils. Piezometers, sealed in a particular stratum, may be advisable in low permeability soils or where there may be interference from a perched water table.

Reports

The report has been prepared by qualified personnel, is based on the information obtained from field and laboratory testing, and has been undertaken to current engineering standards of interpretation and analysis. Where the report has been prepared for a specific design proposal, the information and interpretation may not be relevant if the design proposal is changed. If this happens, DP will be pleased to review the report and the sufficiency of the investigation work.

Every care is taken with the report as it relates to interpretation of subsurface conditions, discussion of geotechnical and environmental aspects, and recommendations or suggestions for design and construction. However, DP cannot always anticipate or assume responsibility for:

- Unexpected variations in ground conditions. The potential for this will depend partly on borehole or pit spacing and sampling frequency;
- Changes in policy or interpretations of policy by statutory authorities; or
- The actions of contractors responding to commercial pressures.

If these occur, DP will be pleased to assist with investigations or advice to resolve the matter.

Site Anomalies

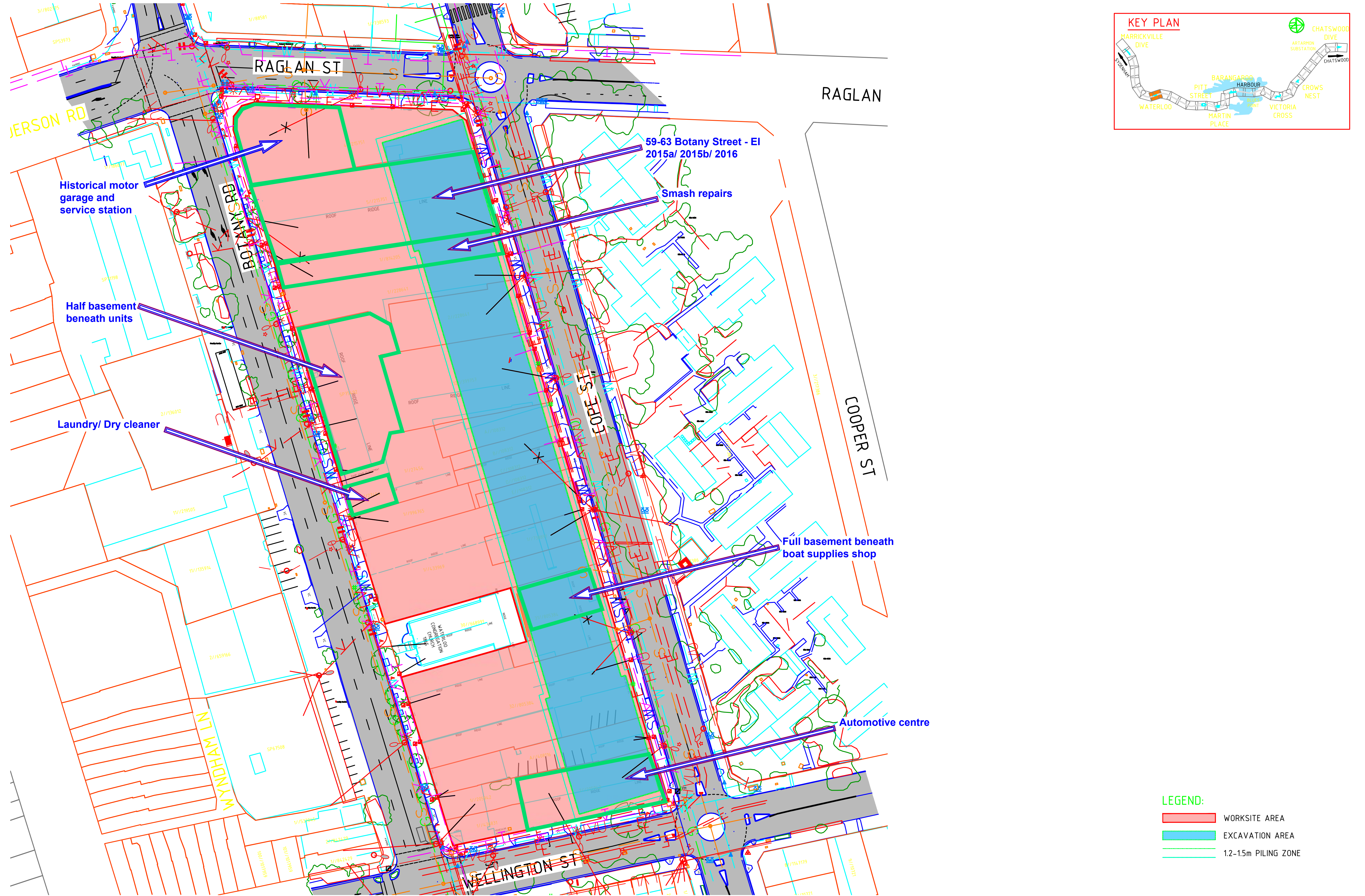
In the event that conditions encountered on site during construction appear to vary from those which were expected from the information contained in the report, DP requests that it be immediately notified. Most problems are much more readily resolved when conditions are exposed rather than at some later stage, well after the event.

Information for Contractual Purposes

Where information obtained from this report is provided for tendering purposes, it is recommended that all information, including the written report and discussion, be made available. In circumstances where the discussion or comments section is not relevant to the contractual situation, it may be appropriate to prepare a specially edited document. DP would be pleased to assist in this regard and/or to make additional report copies available for contract purposes at a nominal charge.

Site Inspection

The company will always be pleased to provide engineering inspection services for geotechnical and environmental aspects of work to which this report is related. This could range from a site visit to confirm that conditions exposed are as expected, to full time engineering presence on site.



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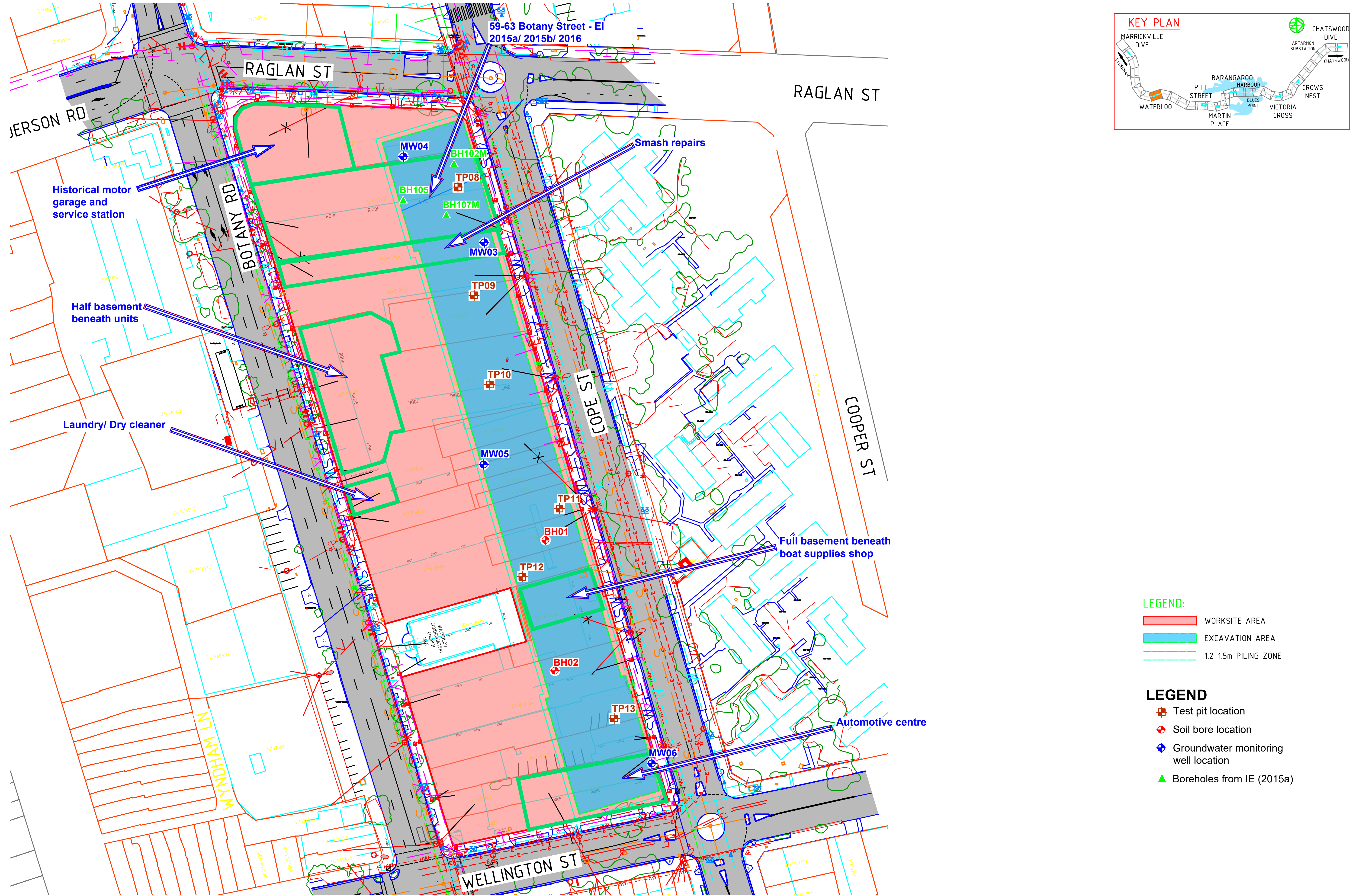
CLIENT: John Holland CPB Ghella JV
OFFICE: Sydney
DRAWN BY: PSCH
SCALE: 1:2000 @ A3
DATE: 10.10.2017

TITLE: **Site Locations and Features, Sydney Metro City & South West, Tunnel and Station Works Package, Proposed Waterloo Dive, Botany Rad and Cope Street, WATERLOO**

PROJECT No: 85608.14
DRAWING No: 1
REVISION: 0



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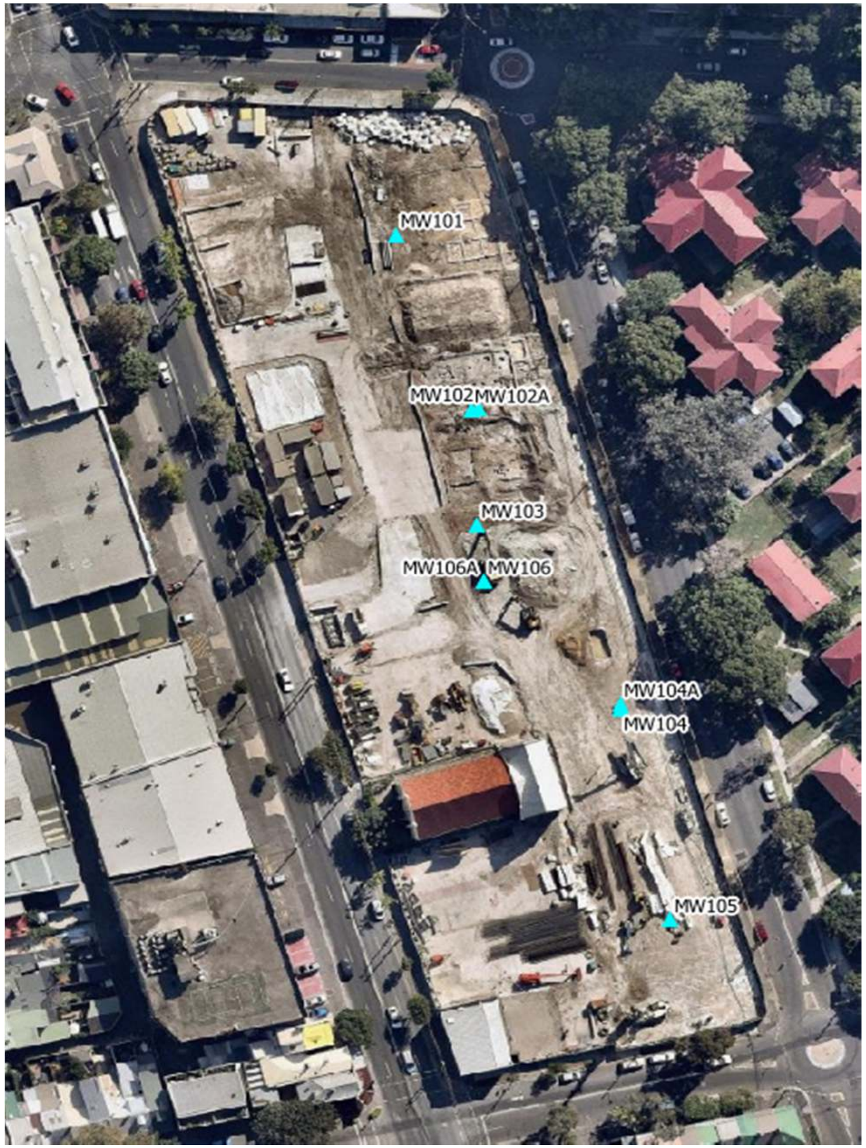
CLIENT: John Holland CPB Ghella JV	
OFFICE: Sydney	DRAWN BY: PSCH
SCALE: 1:2000 @ A3	DATE: 10.10.2017

TITLE: **Test Locations, Sydney Metro City & South West,**
Tunnel and Station Works Package, Proposed Waterloo Dive,
Botany Road and Cope Street, WATERLOO

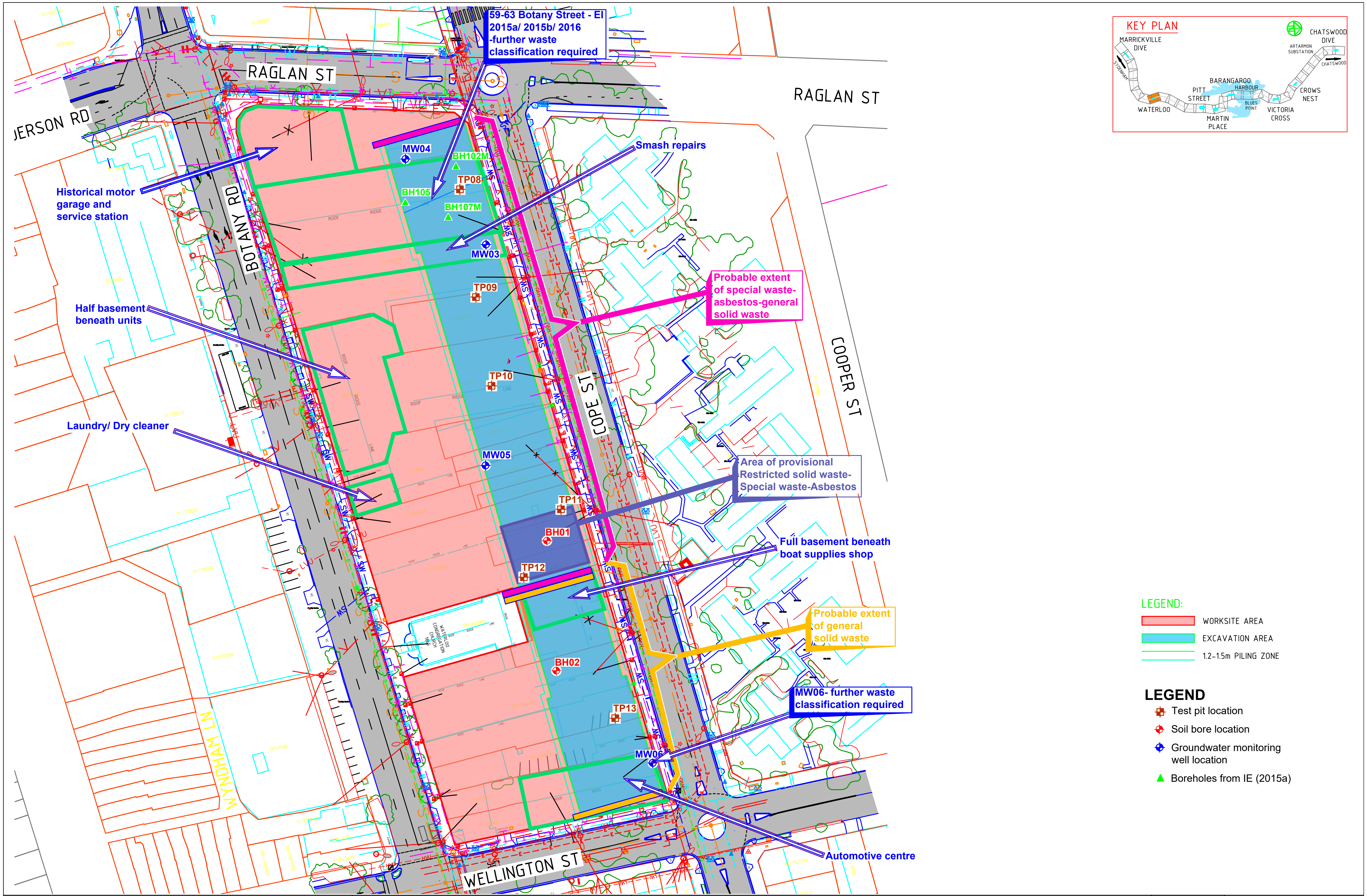
PROJECT No:	85608.14
DRAWING No:	2
REVISION:	0

2

Douglas Partners Geotechnics / Environment / Groundwater	CLIENT: John Holland CPB Ghella JV	**Sample Locations**	PROJECT No: 85608.14
	OFFICE: Sydney	**Sydney Metro City & South West, Tunnel & Station Works Package**	DWG No: 3
	DATE: 01.04.20	**Botany Rd and Cope St, Waterloo**	REVISION: 2



[redacted]	CLIENT:	John Holland CPB Ghella JV	**Groundwater and Soil Vapour Wells Locations**	PROJECT No:	85608.14
	OFFICE:	Sydney	**Sydney Metro City & South West, Tunnel & Station Works Package**	DWG No:	4
	DATE:	17.10.18	**Botany Rd and Cope St, Waterloo**	REVISION:	0



Douglas Partners
Geotechnics | Environment | Groundwater

CLIENT: John Holland CPB Ghella JV

OFFICE: Sydney
DRAWN BY: PSCH

SCALE: 1:2000 @ A3
DATE: 12.4.2018

TITLE: **Filling Waste Classification, Sydney Metro City & South West, Tunnel and Station Works Package, Proposed Waterloo Dive, Botany Road and Cope Street, WATERLOO**

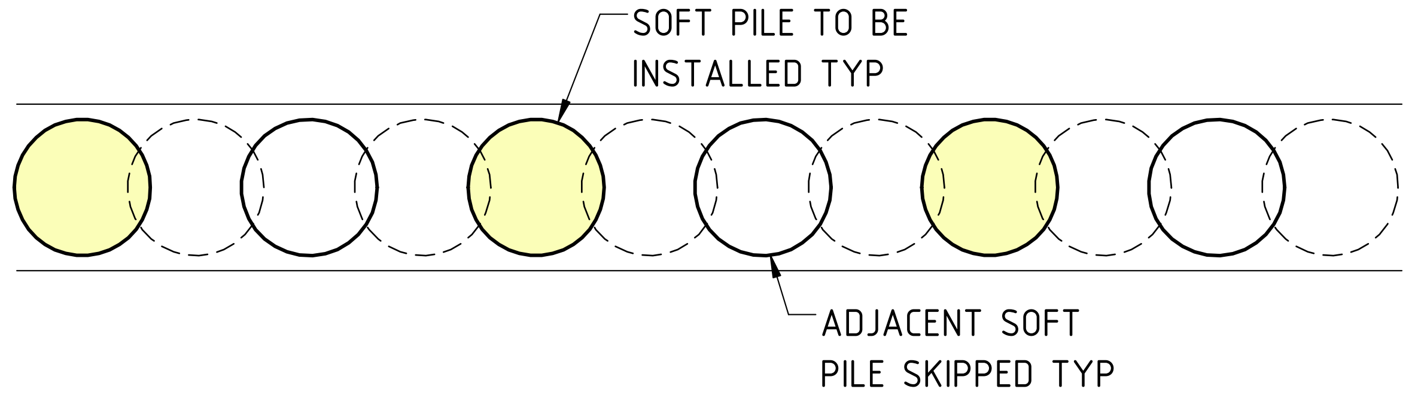
PROJECT No: 85608.14
DRAWING No: 5
REVISION: 0

NOTES

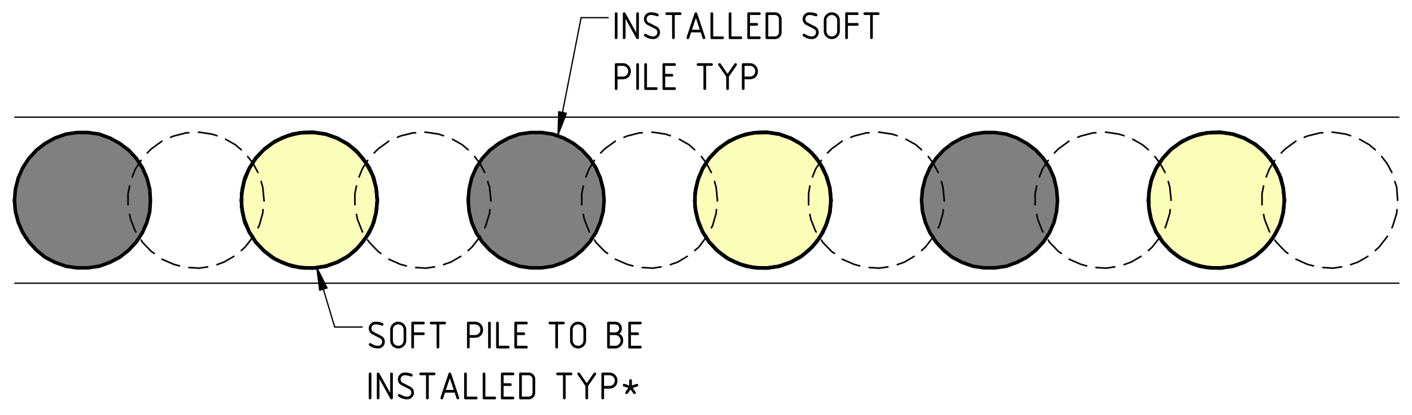
1. FOR TYPICAL CONSTRUCTION STAGE, SEE SOLDIER PILE WALL CONSTRUCTION SEQUENCE ON DRAWING SMCSWTSE-JAB-TPW-EX-DRG-500013.
2. DUE TO THE SENSITIVITY OF THE HERITAGE CHURCH AREA, CONSIDER COMMENCING THE INSTALLATION OF THE PILES ADJACENT TO THE HERITAGE CHURCH AFTER PILING METHODOLOGY HAS BEEN REFINED.
3. COMPLETE INSTALLATION OF SOFT PILES FOR THE STATION EXCAVATION RETENTION SYSTEM AS PER THE SEQUENCE NOMINATED BELOW.

A. FOR SOFT PILES ADJACENT TO THE HERITAGE CHURCH, EVERY THIRD SOFT PILE SHALL BE INSTALLED AT ANY ONE TIME. THE SOFT PILE CONCRETE SHALL REACH THE COMPRESSIVE STRENGTH SPECIFIED ON THE DRAWINGS PRIOR TO INSTALLING ADJACENT SOFT PILES IN THIS AREA.
B. FOR ALL REMAINING SOFT PILES, EVERY SECOND SOFT PILE SHALL ONLY BE INSTALLED AT ANY ONE TIME. THE SOFT PILE CONCRETE SHALL REACH THE COMPRESSIVE STRENGTH SPECIFIED ON THE DRAWINGS PRIOR TO INSTALLING ADJACENT SOFT PILES.
C. COMPLETE INSTALLATION OF REINFORCED CONCRETE PILES FOR THE STATION EXCAVATION SYSTEM AS PER THE SEQUENCE NOMINATED BELOW:
D. REINFORCED PILES SHALL ONLY BE INSTALLED WHEN ADJACENT SOFT PILES HAVE REACHED THE CONCRETE COMPRESSIVE STRENGTH SPECIFIED ON THE DRAWINGS.
E. FOR REINFORCED CONCRETE PILES ADJACENT TO THE HERITAGE CHRUCH, EVERY THIRD PILE SHALL ONLY BE INSTALLED AT ANY ONE TIME. THE CONCRETE STRENGTH OF THE REINFORCED PILE SHALL REACH A MINIMUM 10MPa PRIOR TO INSTALLING ADJACENT REINFORCED CONCRETE PILES.

4. CALIBRATE CFA PILING RIG READINGS FOR SPECIFIC GEOLOGY AT KNOWN BOREHOLES PRIOR TO INSTALLING CFA PILES.



TYPICAL SOFT PILE INSTALLATION SEQUENCE - STAGE 1



TYPICAL SOFT PILE INSTALLATION SEQUENCE - STAGE 2

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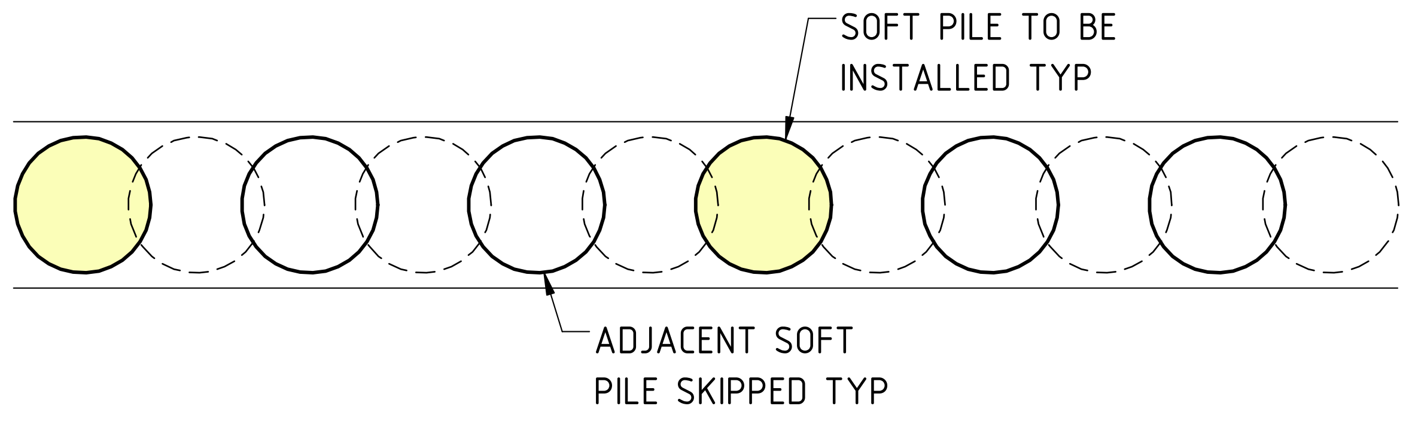
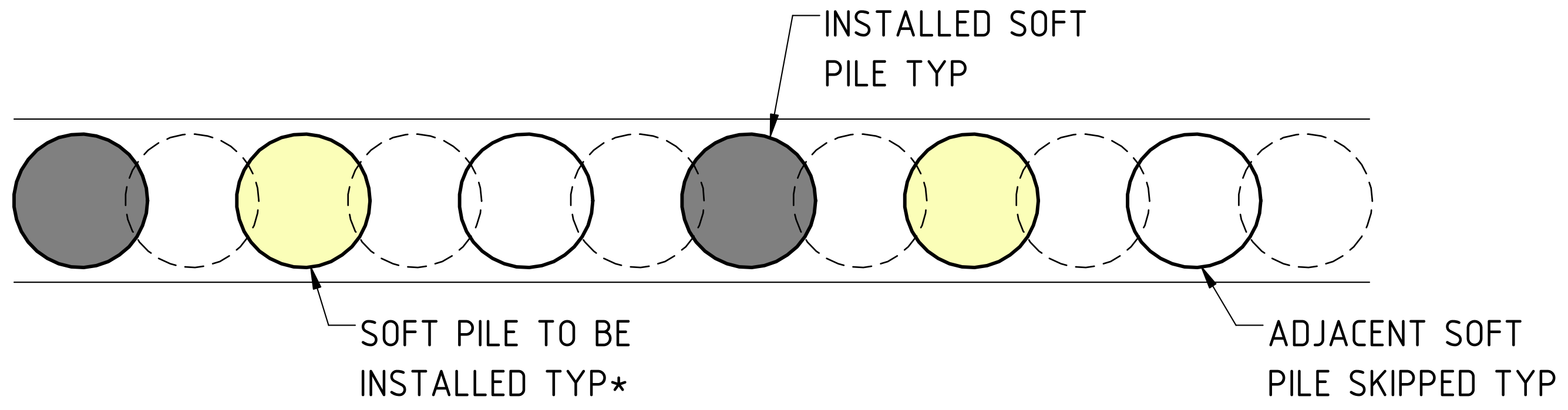
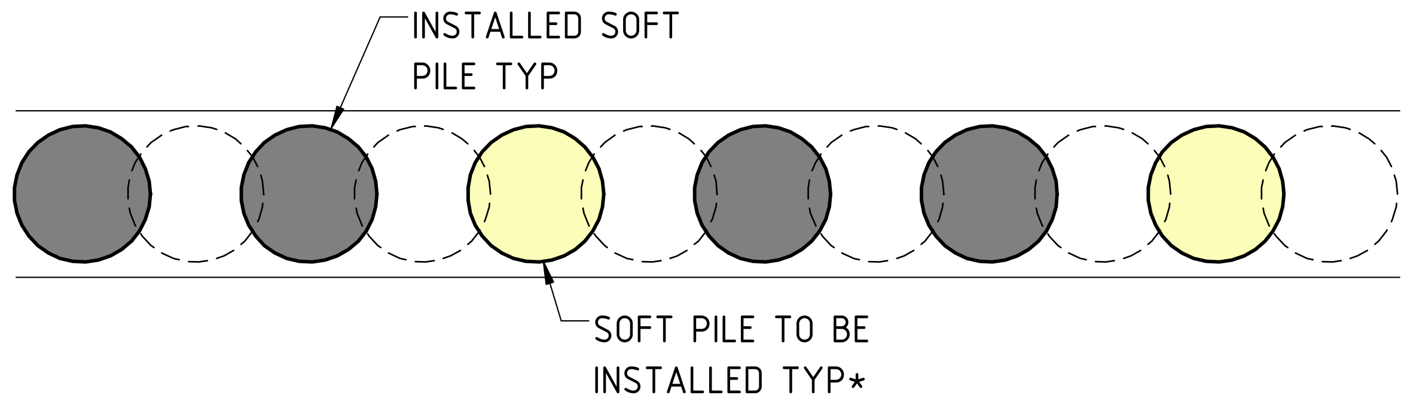


HERITAGE CHURCH SOFT PILE INSTALLATION SEQUENCE - STAGE 1



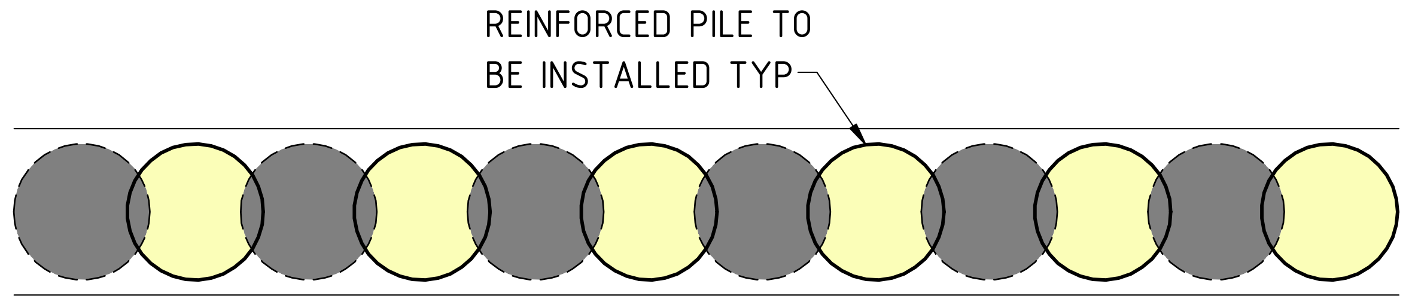
HERITAGE CHURCH SOFT PILE INSTALLATION SEQUENCE - STAGE 2

*DENOTES PRIOR TO INSTALLING, THE ADJACENT SOFT PILE PREVIOUSLY POURED MUST HAVE ALREADY ACHIEVED A COMPRESSIVE STRENGTH OF 3.5MPa

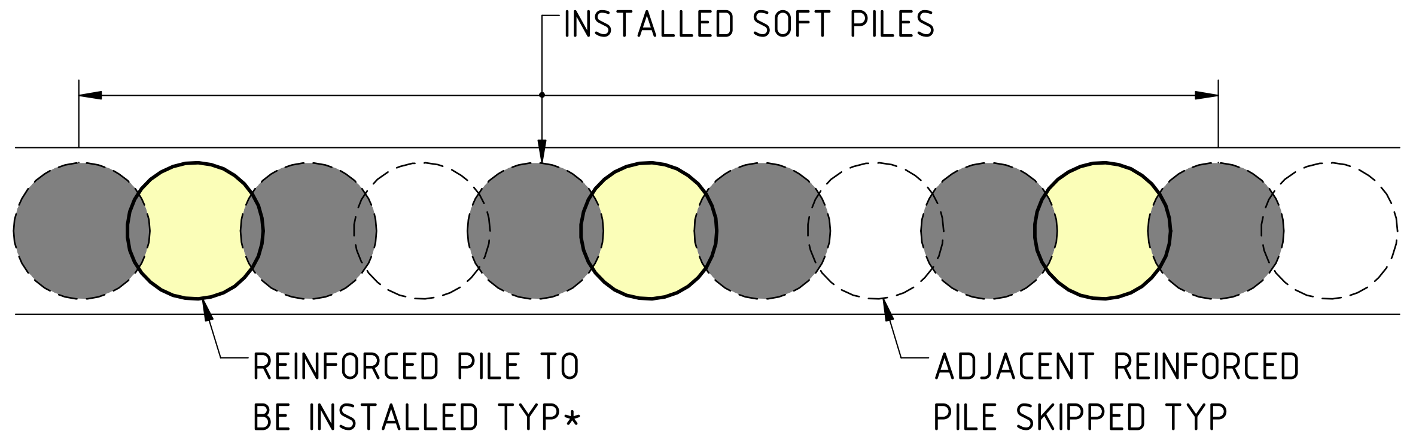


HERITAGE CHURCH SOFT PILE INSTALLATION SEQUENCE - STAGE 3

*DENOTES PRIOR TO INSTALLING, THE ADJACENT SOFT PILE PREVIOUSLY POURED MUST HAVE ALREADY ACHIEVED A COMPRESSIVE STRENGTH OF 3.5MPa

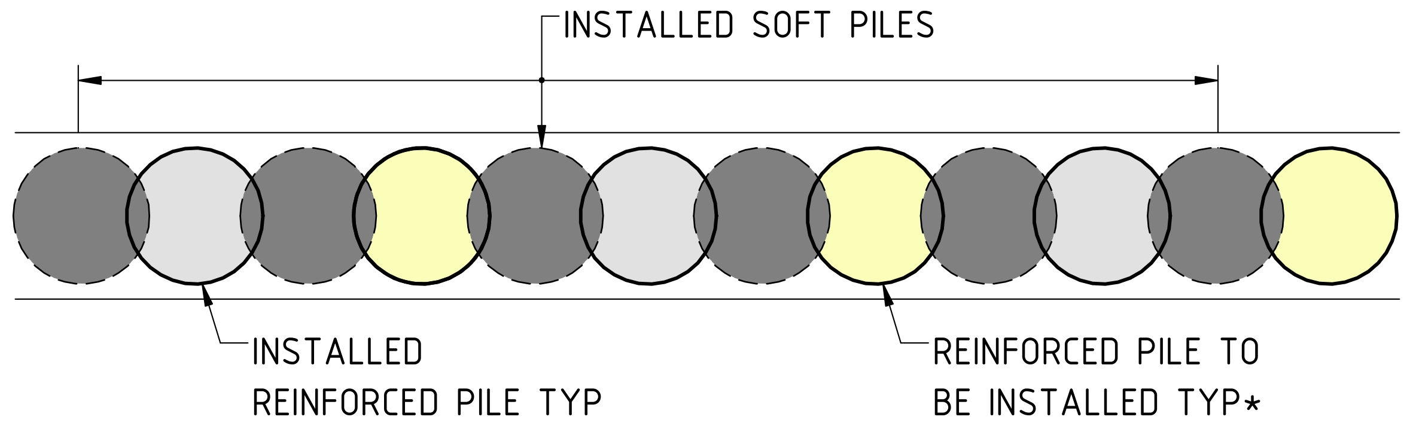


TYPICAL REINFORCED PILE INSTALLATION SEQUENCE



HERITAGE CHURCH REINFORCED PILE INSTALLATION SEQUENCE - STAGE 1

*DENOTES PRIOR TO INSTALLING, THE ADJACENT SOFT PILE PREVIOUSLY POURED MUST HAVE ALREADY ACHIEVED A COMPRESSIVE STRENGTH OF 3.5MPa



HERITAGE CHURCH REINFORCED PILE INSTALLATION SEQUENCE - STAGE 2

*DENOTES PRIOR TO INSTALLING, THE ADJACENT SOFT PILE PREVIOUSLY POURED MUST HAVE ALREADY ACHIEVED A COMPRESSIVE STRENGTH OF 3.5MPa AND THE ADJACENT REINFORCED PILE PREVIOUSLY POURED MUST HAVE REACHED A MINIMUM COMPRESSIVE STRENGTH OF 10MPa

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
00	ASSURED FOR CONSTRUCTION	DT / 10.01.18	MI / 10.01.18	GR / 10.01.18

CO-ORDINATE SYSTEM: MGA
HEIGHT DATUM: AHD
SCALE: NTS

SCALES

IC CERTIFIED - IC CERTIFICATE SMCSWTSE-IC-CER-B2-010-A

CLIENT
[redacted]

[redacted]

DRAWN	C.V WOERDAN	10.01.18
DESIGNED	D.THOMY	10.01.18
DRG CHECK	R.SAFARIAN	10.01.18
DESIGN CHECK	M.ING	10.01.18
APPROVED	G.RIORDAN	10.01.18

SYDNEY METRO CITY & SOUTHWEST
WATERLOO STATION EXCAVATION AND PRECINCT
OPEN EXCAVATION SHORING
PILE CONSTRUCTION SEQUENCE

FILE No.
SHEET: 6 OF 26
A1
STATUS: FOR CONSTRUCTION
©
DRG No. SMCSWTSE-JAB-SWL-EX-DRG-515019
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EDMS No.

DF 801*554

File Plotted BIM 360://TSE - Sydney Metro/SMCSWTSE-JAB-SWL-EX-MOD-3440250.rvt
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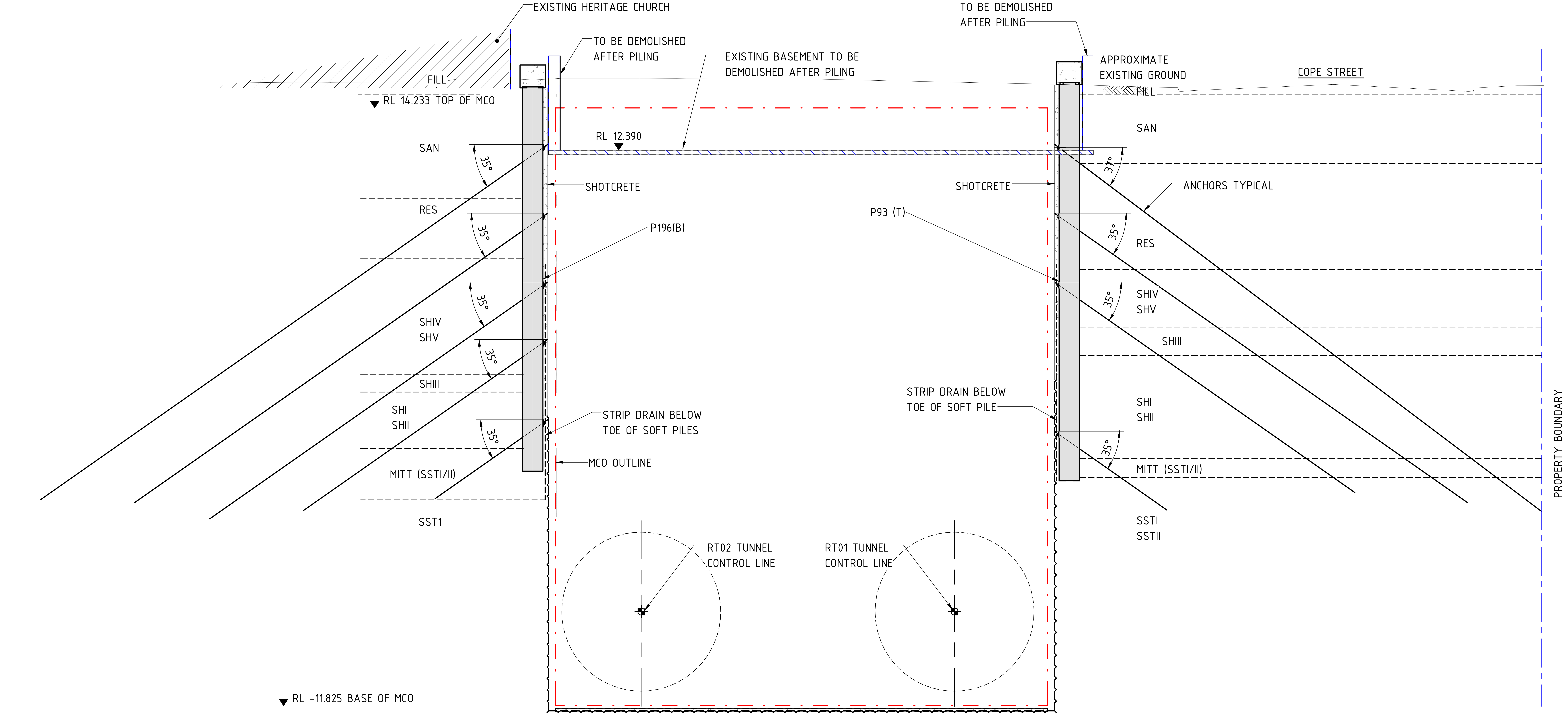
NOTES

1. FOR OTHER NOTES RELATING TO THIS DRAWING, REFER TO DRAWING No. 515030.
2. FOR SHOTCRETE LEGEND RELATING TO THIS DRAWING, REFER TO DRAWING No. 515030.



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FOR CONSTRUCTION

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CO-ORDINATE SYSTEM: MGA
HEIGHT DATUM: AHD
SCALE: 1:100

SCALES
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SCALE 1:100 AT A1 SIZE

IC CERTIFIED - IC CERTIFICATE SMCSWTSE-IC-CER-B2-010-A

CLIENT
[redacted]

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[redacted]

DRAWN	C.V WOERDAN	10.01.18
DESIGNED	D.THOMY	10.01.18
DRG CHECK	R.SAFARIAN	10.01.18
DESIGN CHECK	M.ING	10.01.18
APPROVED	G.RIORDAN	10.01.18

SYDNEY METRO CITY & SOUTHWEST
WATERLOO STATION EXCAVATION AND PRECINCT
OPEN EXCAVATION SHORING
WALL SECTIONS
SHEET 2

FILE No.
SHEET: 26 OF 26
A1
STATUS: FOR CONSTRUCTION
©
DRG No. SMCSWTSE-JAB-SWL-EX-DRG-515051
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EDMS No.

DF 801*554

File Plotted BIM 360://TSE - Sydney Metro/SMCSWTSE-JAB-SWL-EX-MOD-3440250.rvt
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Appendix B

Site Photographs

Photograph: 1 Site inspection, 12 February 2018

Photograph: 2 Site inspection, 12 February 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B1 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 3 Site inspection, 14 February 2018

Photograph: 4 Site inspection, 14 February 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT: 85608.14
	Validation Assessment	PLATE No: B2
	Waterloo Station, Botany Rd	REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 5 Site inspection, 6 March 2018

Photograph: 6 Site inspection, 9 March 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B3 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 7 Site inspection, 9 March 2018

Photograph: 8 Site inspection, 16 March 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B4 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 9 Site inspection, 16 March 2018

Photograph: 10 Site inspection, 23 March 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B5 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 11 Site inspection, 26 April 2018

Photograph: 12 Site inspection, 26 April 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B6 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 13 Site inspection, 8 May 2018

Photograph: 14 Site inspection, 8 May 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT: 85608.14
	Validation Assessment	PLATE No: B7
	Waterloo Station, Botany Rd	REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 15 Site inspection, 29 May 2018

Photograph: 16 Site inspection, 29 May 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT: 85608.14
	Validation Assessment	PLATE No: B8
	Waterloo Station, Botany Rd	REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 17 Site inspection, 30 May 2018

Photograph: 18 Site inspection, 30 May 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT: 85608.14
	Validation Assessment	PLATE No: B9
	Waterloo Station, Botany Rd	REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 19 VOC Area of Concern Trench Inspection 24 July 2018

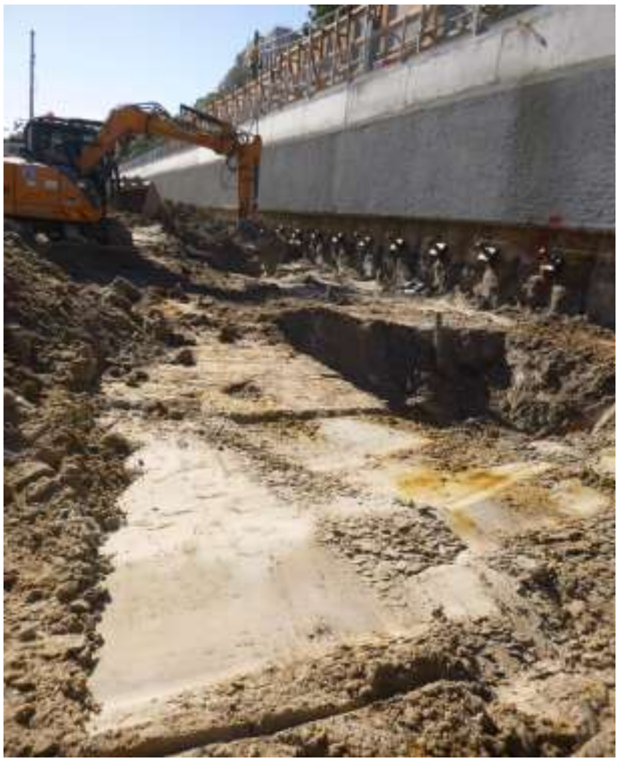
Photograph: 20 VOC Area of Concern Trench Inspection 24 July 2018

Photograph: 21 VOC Area of Concern Trench Inspection 31 July 2018

Photograph: 22 VOC Area of Concern Trench Inspection 17 August 2018

Douglas Partners Geotechnics / Environment / Groundwater	Site Photographs	PROJECT: 85608.14
	Validation Assessment	PLATE No: B11
	Waterloo Station, Botany Rd	REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 23 Site inspection, 30 May 2018



Photograph: 24 Site inspection, 16 August 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B12 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 25 VOC Area of Concern Trench Inspection 17.08.18

Photograph: 26 VOC Area of Concern Trench Inspection 16.11.18

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT: 85608.14
	Validation Assessment	PLATE No: B13
	Waterloo Station, Botany Rd	REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 27 Site inspection, 24 August 2018

Photograph: 28 Site inspection, 6 September 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT:	85608.14
	Validation Assessment	PLATE No:	B14
	Waterloo Station, Botany Rd	REV:	B
	CLIENT: John Holland CPB Ghella JV	DATE:	May 20

Photograph: 29 Site inspection, 6 September 2018

Photograph: 30 Site inspection, 6 September 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT: 85608.14
	Validation Assessment	PLATE No: B15
	Waterloo Station, Botany Rd	REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 31 Site inspection, 6 September 2018

Photograph: 32 Site inspection, 19 September 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B16 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 33 Site inspection, 19 September 2018

Photograph: 34 Site inspection, 19 September 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT: 85608.14
	Validation Assessment	PLATE No: B17
	Waterloo Station, Botany Rd	REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 35 Site inspection, 19 September 2018

Photograph: 36 Site inspection, 16 November 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B18 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 37 Site inspection, 9 January 2019

Photograph: 38 Site inspection, 9 January 2019

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B19 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 39 Site inspection, 5 July 2019

Photograph: 40 Site inspection, 5 July 2019

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT:	85608.14
	Validation Assessment	PLATE No:	B20
	Waterloo Station, Botany Rd	REV:	B
	CLIENT: John Holland CPB Ghella JV	DATE:	May 20

Photograph: 41 Site inspection, 5 July 2019

Photograph: 42 Site inspection, 5 July 2019

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B21 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 43 Stockpile Management, 8 February 2018

Photograph: 44 Stockpile Management, 8 February 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT: 85608.14
	Validation Assessment	PLATE No: B22
	Waterloo Station, Botany Rd	REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 45 Stockpile Management, 12 February 2018

Photograph: 46 Stockpile Management, 12 February 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs** **Validation Assessment** **Waterloo Station, Botany Rd**	PROJECT: 85608.14 PLATE No: B23 REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Photograph: 47 Stockpile Management, 12 February 2018

Photograph: 48 Stockpile Management, 22 February 2018

Douglas Partners Geotechnics / Environment / Groundwater	**Site Photographs**	PROJECT: 85608.14
	Validation Assessment	PLATE No: B24
	Waterloo Station, Botany Rd	REV: B
	CLIENT: John Holland CPB Ghella JV	DATE: May 20

Appendix C

Sample Collection and Analysis Methods

D1 Soil Sampling Frequencies

The sampling frequency will depend on the purpose of the sampling, the volume or area to be assessed and the previous results. The following sampling frequencies will be used. These frequencies may be reduced for large volumes or areas.

Visual Inspections

Visual inspection of the area/ material of concern will be conducted by the Environmental Consultant prior to sampling.

If any signs of environmental concern (e.g. odours, staining) are observed in the area/material being tested, targeted sampling will be conducted as required to assess the contamination potentially associated with the observed sign of concern. This may require additional samples to those required by the testing frequencies given below.

Validation of excavations (if required):

Small to medium excavations (base <500 m^2):

- Base of excavation: one sample per 25-50 m^2 or part thereof. Where high local variation is expected, a minimum of three samples will be collected; and
- Sides of excavation: one sample per 10 m length or part thereof. Additional samples will be collected at depths of concern where there is more than one depth of concern.

Large excavations (base ≥500 m^2):

- Base of excavation: sampling on a grid at a density in accordance with the EPA *Contaminated Sites: Sampling Design Guidelines* (1995) or a minimum of 10 samples. In sub-areas with any specific signs of concern, a higher sampling density may be required; and
- Sides of excavation: one sample per 20 m length or part thereof. Additional samples will be collected at depths of concern where there is more than one depth of concern.

Stockpiles

Samples will be collected from stockpiles at various depths to characterise the full depth of the stockpile.

Validation/ assessment of stockpiled soils (note actual frequency will be determined based on volume, contamination risk and homogeneity of the material):

- Stockpiles ≤250 m^3: one sample per 25 m^3 or a minimum of three samples; and
- Stockpiles >250 m^3: one sample per 50-250 m^3, or a minimum of 10 samples.

Where contaminated soils are stored or treated on bare soils, the footprint of the stockpile requires validation following removal of the contaminated soils.

Imported Materials

Imported soil, rock and recovered aggregate will be tested to confirm that they can be legally imported onto the site. The scope of testing will depend on the quality of the paperwork provided and the assessed risk of the source site. The risk will be assessed by the Environmental Consultant based on the material type information provided in the source documentation, the documentation quality and any testing results. Materials assessed to be high risk will not be imported. Documentation will be reviewed for site history; material description, quantity, source, contamination and ASS potential; assessment and testing results; independence of person providing the assessment; and tracking records for the materials transport).

Imported quarried VENM is considered to be a product and testing is not considered necessary for determining its suitability for use on site. It therefore does not fall into the below risk categories.

The risk categories will be assigned with consideration of the following:

- Low Risk: material considered to have a low risk of contamination based on complete documentation, the material being predominantly naturally derived, availability of site history information with low risk of historic sources of contamination and laboratory results for a range of common contaminants consistent with the site history with all results within the SAC and legal requirements for importation. Low risk materials will be considered to include VENM with the above information; and tunnel spoil with a specific RRO/RRE issued by the EPA;
- Moderate Risk: material considered to have a moderate risk of contamination based on reasonable documentation (but may have some potential data gaps), site history information showing a low to moderate risk of contamination and laboratory results for a range of common contaminants consistent with the site history with all results within the SAC and legal requirements for importation. Moderate risk materials will be considered to include recycled materials (such as recovered aggregate), tested in accordance with the EPA requirements for the material; and ENM with testing results for a range of common contaminants (including asbestos, TRH C6-C10, PCB, OCP, OPP and phenols); and
- High Risk: material considered to have a high risk of contamination based on insufficient documentation, site history information indicating a high risk of contamination for the subject material, materials with insufficient testing results. High risk materials will include ENM with no testing for common contaminants other than those listed in the ENM RRO; and VENM with insufficient testing based on the site history information.

It is anticipated that materials will be tested at the following frequencies:

Low risk material, per source site:

- ≤1,000 m^3: one sample per 200 m^3 or a minimum of three samples; and
- >1,000 m^3: five samples from the first the first 1,000 m^3 plus one sample per additional 1,000 m^3 or part thereof.

Moderate risk material, per source site:

- ≤1,000 m^3: one sample per 100 m^3 or a minimum of three samples; and

- >1,000 m^3: ten samples from the first the first 1,000 m^3 plus one sample per additional 200 m^3 or part thereof.

D2 Field Methods

D2.1 Soils

The following general sampling methodology is to be implemented for all sampling:

- Preparing records of samples, including sample date, location, description, signs of concern, and any field results;
- Sampling from surface or from the utilised plant using disposable sampling equipment or stainless steel hand tools;
- Decontaminating all re-useable sampling equipment prior to collecting each sample using a 3% solution of phosphate free detergent (Decon 90) and distilled water;
- Obtaining replicate samples for photo-ionisation detector (PID) screening for validation sampling when not all samples are going to analysed and volatile contaminants are a contaminant of concern;
- Transferring samples into a sealable plastic bag, and then placement in a second plastic bag/ sealed container (such as an esky) (i.e. double bagging) (for asbestos analysis);
- Transferring samples into laboratory-prepared glass jars with Teflon-lined lid, and capping immediately (for chemical analytes);
- Labelling sample containers with individual and unique identification, including project number and sample number;
- Placing the samples in plastic bags for asbestos analysis into a sealed container for transport to the laboratory;
- Placing the glass jars for chemical analysis into a cooled, insulated and sealed container for transport to the laboratory; and
- Using chain-of-custody documentation so that sample tracking and custody can be cross-checked at any point in the transfer of samples from the field to hand-over to the laboratory.

D2.2 Water

The following general sampling methodology is to be implemented for all sampling:

- Preparing record of samples, including sample date, location, description, signs of concern, and any field results;
- Decontaminating all re-useable sampling equipment prior to collecting each sample using a 3% solution of phosphate free detergent (Decon 90) and distilled water;
- Immediate placement of sample in laboratory prepared sample containers and capping;
- Labelling sample containers with individual and unique identification, including project number and sample number;

- Placing the samples into a cooled, insulated and sealed container for transport to the laboratory; and
- Using chain-of-custody documentation to ensure that sample tracking and custody can be cross checked at any point in the transfer of samples from the field to hand-over to the laboratory.

For 'grab' groundwater samples (e.g. from an excavation pit), the following additional sampling methodology is to be implemented for all sampling:

- Collection of sample from the depth of concern, which will be the water surface for petroleum contaminants; and
- Collection of samples directly into sampling containers, or sampling using disposable or decontaminated glass sampling equipment.

For samples from groundwater wells, the following additional sampling methodology is to be implemented for all sampling:

- Collection of sample from depth of concern, which will be the water surface for petroleum contaminants;
- Micro-purging of well using a low flow pump until field parameters (pH, temperature, dissolved oxygen, EC and redox) have stabilised; and
- Once field parameters have stabilised collect samples using a low flow pump. Use of new disposable equipment (bladders and tubing) for each sample.

D3 Laboratory Analysis

Laboratory analysis of samples will be undertaken by laboratories with NATA accreditation for the analyte being tested and with appropriate QA/QC assessment to meet the requirements of Section D4.

It is anticipated that at least two laboratories will be employed to undertake the testing, a primary laboratory (Envirolab Services) and secondary laboratory (Eurofins MGT), which will analyse inter-laboratory replicate samples.

Samples will be analysed for the contaminants of concern identified for the sampling purpose. These contaminants will be identified based on available laboratory results from previous testing, field observations and the objective of the analysis.

D4 Quality Control and Quality Assurance

QA/QC procedures will be adopted to assess the repeatability and reliability of the results.

Field QA/QC testing will include the following:

- 5% sample inter-laboratory analysis, analysed for the same suite as primary sample;
- 5% sample intra-laboratory analysis, analysed for the same suite as primary sample;

- Rinsate samples (where re-useable sampling equipment is used), analysed for the suite of analytes analysed by the majority of the primary samples;
- Trip spike samples (one per batch of samples tested for BTEX where volatile contaminants are of concern); and
- Trip blank samples (one per batch of samples tested for BTEX where volatile contaminants are of concern).

The laboratory will undertake analysis in accordance with its accreditation, including in-house QA/QC procedures. These may include:

- Reagent blanks;
- Spike recovery analysis;
- Laboratory duplicate analysis;
- Analysis of control standards;
- Calibration standards and blanks; and
- Statistical analysis of QC data including control standards and recovery plots.

The quality control analytical results will be assessed using the following criteria:

- Sampling location rationale meet the sampling objective;
- Standard operating procedures are followed;
- Appropriate QA/QC samples are collected/prepared and analysed;
- Samples are stored under secure, temperature controlled conditions;
- Chain of custody documentation is employed for the handling, transport and delivery of samples to the selected laboratory;
- Conformance with specified holding times;
- Accuracy of spiked samples within the laboratory's acceptable range (typically 70-130% for inorganic contaminants and greater for some organic contaminants);
- Field and laboratory duplicates and replicate samples have a precision average of +/- 30% relative percentage difference (RPD) for inorganic analytes and +/- 50% RPD for organic analytes; and
- Rinsate samples show that the sampling equipment is free of introduced contaminants, i.e. the analytes show that the rinsate is within the normal range for deionised water.

Appendix D

Site Assessment Criteria

Appendix E - Site Assessment Criteria

1. Soil

The site is proposed to be developed as a railway station (i.e. commercial land use). The Site Assessment Criteria (SAC) applied in the current investigation are sourced from the RAP which identified human and environmental receptors to potential contamination on the site. Analytical results were assessed (as a Tier 1 assessment) against the SAC comprising the investigation and screening levels of Schedule B1, *National Environment Protection (Assessment of Site Contamination) Measure* 1999, as amended 2013 (NEPC, 2013).

The investigation and screening levels applied in the current investigation comprise levels adopted for a generic commercial / industrial land use scenario.

1.1 Health Investigation and Screening Levels

The generic Health Investigation Levels (HILs) and Health Screening Levels (HSLs) are considered to be appropriate for the assessment of human health risk associated with contamination at the site. The adopted soil HILs and HSLs for the potential contaminants of concern are presented in Table D2, with inputs into their derivation shown in Table D1.

Table D1: Inputs to the Derivation of HSL

Variable	Input	Rationale
Potential exposure pathway	Soil vapour intrusion (inhalation)	Potential exposure pathways include vapour intrusion through concrete from potentially contaminated fill. There is also the risk of soil vapours during any excavation of potentially contaminated fill material.
Soil Type	Sand	Sand has been adopted as a conservative approach for this DSI as a mixture of sandy and clay soils were identified.
Depth to contamination	0 m to <1 m	As filling was identified within a 1 m a conservative approach has been adopted for this DSI.

Table D2: Health Investigation and Screening Levels (HIL and HSL) in mg/kg unless otherwise indicated

Contaminants		HIL-D	HSL- D Vapour Intrusion
Metals	**Arsenic**	3000	NC
	Cadmium	900	NC
	Chromium (VI)	3600	NC
	Copper	240000	NC
	Lead	1500	NC
	Manganese	60000	NC
	Mercury (inorganic)	730	NC
	Nickel	6000	NC
	Zinc	400000	NC
PAH	**Benzo(a)pyrene TEQ[1]**	40	NC
	Naphthalene	NC	NL
	Total PAH	4000	NC
TRH	**C6 – C10 (less BTEX) [F1]**	NC	260
	>C10-C16 (less Naphthalene) [F2]	NC	NL
	>C16-C34 [F3]	NC	NC
	>C34-C40 [F4]	NC	NC
BTEX	**Benzene**	NC	3
	Toluene	NC	NL
	Ethylbenzene	NC	NL
	Xylenes	NC	230
Phenol	**Pentachlorophenol (used as an initial screen)**	660	NC

Contaminants		HIL-D	HSL- D Vapour Intrusion
OCP	Aldrin + Dieldrin	45	NC
	Chlordane	530	NC
	DDT+DDE+DDD	3600	NC
	Endosulfan	2000	NC
	Endrin	100	NC
	Heptachlor	50	NC
	HCB	80	NC
	Methoxychlor	2500	NC
OPP	Chlorpyrifos	2000	NC
PCB [2]		7	NC

Notes:

1 sum of carcinogenic PAH

2 non dioxin-like PCBs only.

3 The soil saturation concentration (Csat) is defined as the soil concentration at which the porewater phase cannot dissolve any more of an individual chemical. The soil vapour that is in equilibrium with the porewater will be at its maximum. If the derived soil HSL exceeds Csat, a soil vapour source concentration for a petroleum mixture could not exceed a level that would results in the maximum allowable vapour risk for the given scenario. For these scenarios, no HSL is presented for these chemicals and the HSL is shown as ‘not limiting’ or ‘NL’.]

1.2 Management Limits – Petroleum Hydrocarbons

In addition to appropriate consideration and application of the HSL and ESL, there are additional considerations which reflect the nature and properties of petroleum hydrocarbons, including:

- Formation of observable light non-aqueous phase liquids (LNAPL);
- Fire and explosion hazards; and
- Effects on buried infrastructure e.g. penetration of, or damage to, in-ground services.

The adopted management limits, based on a coarse soil type, are shown in the following Table D3.

Table D3: Management Limits in mg/kg

Analyte		Management Limit
TRH	$C_6 - C_{10}$ (F1) #	700
	$>C_{10}$-C_{16} (F2) #	1000
	$>C_{16}$-C_{34} (F3)	3500
	$>C_{34}$-C_{40} (F4)	10000

Separate management limits for BTEX and naphthalene are not available hence these have not been subtracted from the relevant fractions to obtain F1 and F2

1.3 Asbestos in Soil

A detailed asbestos assessment was not undertaken as part of these works as all filling within the excavation footprint will be excavated and removed from site. Therefore the presence or absence of asbestos at a limit of reporting of 0.1 g/kg has been adopted for this assessment as an initial screen.

2. Groundwater

The potential receptors of impacted groundwater from the site include:

- Future occupiers of the site (construction and maintenance workers);
- Workers conducting excavations, construction or maintenance works within the site or nearby the site (impacted groundwater); and
- The water ecosystems of the concrete lined drainage channel, approximately 30 m to the north west (the nearest surface water body recipient of groundwater flowing beneath the site).

2.1 Groundwater Investigation Levels

The Groundwater Investigation Levels (GILs) adopted in NEPC (2013) are based on:

- *Australian Drinking Water Guidelines* 2011 (ADWG);
- *Guidelines for Managing Risk in Recreational Waters* 2008 (GMRRW);
- *National water quality management strategy. Australian and New Zealand guidelines for fresh and marine water quality* 2000 (ANZECC & ARMCANZ).

Given the historical land uses of the area for commercial land it is considered unlikely that groundwater would be used in the surrounding area. Therefore, the drinking water criteria NEPC (2013) have not been adopted in relation to potential human receptors.

On the basis of the identified potential human and ecological receptors, the adopted GIL are as follows:

- The fresh water GIL from NEPC (2013) for a slightly / moderately disturbed fresh water system, at a general protection level of protection of 95% of species.

The ADWG and GMRRW are however included for reference purposes.

The adopted GIL for the analytes included in the assessment (where applicable), and the corresponding source documents, are shown in Table D4.

Table D4: Groundwater Investigation Levels (in µg/L unless otherwise stated)

Analyte		GIL Fresh Waters ^{a}	ADWG ^{f}	GMRRW ^{g}
Metals	Arsenic (V)	13	-	-
	Cadmium	0.2 ^{b}	-	-
	Chromium (VI)	1	-	-
	Copper	1.4 ^{b}	2,000	20,000
	Lead	3.4 ^{b}	-	-
	Manganese	1,900	-	-
	Mercury (total)	0.06	-	-
	Nickel	11 ^{b}	-	-
	Zinc	8 ^{b}	-	-
TRH	C6 – C10 (less BTEX) [F1]	NC	-	-
	>C10-C16 (less Naphthalene) [F2]	NC	-	-
	>C16-C34 [F3]	NC	-	-
	>C34-C40 [F4]	NC	-	-
PAH	Naphthalene	16	-	-
	Benzo(a)pyrene	NC	-	-
	Phenanthrene	*0.6* ^{c}	-	-
BTEX	Benzene	950	-	-
	Toluene	*180* ^{c}	-	-
	Ethylbenzene	*5* ^{c}	-	-
	Xylene (o)	350	-	-
	Xylene (m)	*75* ^{c}	-	-
	Xylene (p)	200	-	-
OCP	Aldrin	*0.001* ^{c}	-	-
	Dieldrin	*0.01* ^{c}	-	-
	Aldring+dieldrin		*0.3*	*3*
	Chlordane	0.03	*2*	*20*
	DDT	0.006	-	-
	Endosulfan	0.03	-	-
	Endrin	0.01	-	-
	Heptachlor	0.01	-	-
	Heptachlor Expoxide	-	*0.0014* ^{e}	*0.014*
OPP	Chlorpyrifos	0.01	-	-
	Diazinon	0.01	-	-
	Dimethoate	0.15	-	-
	Fenitrothion	0.2	-	-
	Ethion	NC	-	-
PCB	Aroclor 1242	0.3	-	-
	Aroclor 1254	0.01	-	-
Phenols	Total Phenolics	NC	-	-

Analyte		GIL Fresh Waters [a]	ADWG [f]	GMRRW [g]
VOC	1,1,2-trichloroethane	6,500	-	-
	1,2,3-trichlorobenzene	3	-	-
	1,2,4-trichlorobenzene	85	-	-
	1,2-dichlorobenzene	160	-	-
	1,3-dichlorobenzene	260	-	-
	1,4-dichlorobenzene	60	-	-
	Tetrachloroethene (PCE)	*70* [c]	*50*	*500*
	Chloroform	*370* [c]	-	-
	Isopropylbenzene	*30* [c]	-	-
	Trihalomethanes		*250*	*2,500*

Notes:

a *National water quality management strategy. Australian and New Zealand guidelines for fresh and marine water quality* 2000 (ANZECC & ARMCANZ) for freshwater water ecosystems. Investigation levels apply to typically slightly-moderately disturbed systems

b GIL may be adjusted for hardness in accordance ANZECC & ARMCANZ (2000)

c low reliability interim working level value adopted as screening level in absence of available moderate or high reliability GIL

d Ammonia GIL is pH and temperature dependent and will be adjusted as appropriate based on site specific results

e screening level sourced from United States Environmental Protection Agency (USEPA), *Regional Screening Levels,* November 2017 (THQ=1.0)

f National Health and Medical Research Council (HNMRC) and National Resource Management Ministerial Council (NRMMC) *National Water Quality Management Strategy Australian Drinking Water Guidelines* 6 2011, (V3.4 updated October 2017) (ADWG)

g *Guidelines for Managing Risk in Recreational Waters* 2008 (GMRRW). This guideline recommends a screening level of 10 times the drinking water guidance. NC - no criteria

2.2 Health Screening Levels – Petroleum Hydrocarbons

The generic HSL are not considered to be appropriate for the assessment of contamination for the proposed development given that the excavation will extend below the observed water table.

3. Acid Sulphate Soils

The action criteria (i.e. at which point management of ASS will be required) for acid sulphate soils are sourced from the Acid Sulphate Soils Management Advisory Committee (ASSMAC) (1998) *Acid Sulphate Soils Assessment Guidelines*. With respect to the soils observed at the site, the results were compared against the action criteria for ‘sands to loamy sands’ (‘Coarse Texture’). The Action Criteria are listed in the table below.

Table D5: ASSMAC Action Criteria

Screening Criteria		**Screening Levels**
Field Results pH	pH_f	<4
	pH_{fox}	<3.5
	Change	>1
Action Criteria (Chromium Reducible Sulfur)		**Threshold**[1]
	TPA / TAA (mol H+/tonne)	18
	Soxidisable (%)	0.03

Notes:

1.	ASSMAC Action Criteria for disturbance of coarse textured soil 1 - 1000 tonnes
pH_f	non-oxidised pH - this measures existing acidity.
pH_{fox}	oxidised pH - this measures potential acidity.
Change	(pH_{fox} - pH_f) - the larger the difference from (pH_{fox}) to (pH_f) , the more likely of the soil being Potential ASS.

Appendix E

Borehole and Test Pit Logs

Summary of Laboratory Results

Symbols & Abbreviations

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Introduction

These notes summarise abbreviations commonly used on borehole logs and test pit reports.

Drilling or Excavation Methods

C	Core drilling
R	Rotary drilling
SFA	Spiral flight augers
NMLC	Diamond core - 52 mm dia
NQ	Diamond core - 47 mm dia
HQ	Diamond core - 63 mm dia
PQ	Diamond core - 81 mm dia

Water

▷	Water seep
▽	Water level

Sampling and Testing

A	Auger sample
B	Bulk sample
D	Disturbed sample
E	Environmental sample
U_{50}	Undisturbed tube sample (50mm)
W	Water sample
pp	Pocket penetrometer (kPa)
PID	Photo ionisation detector
PL	Point load strength Is(50) MPa
S	Standard Penetration Test
V	Shear vane (kPa)

Description of Defects in Rock

The abbreviated descriptions of the defects should be in the following order: Depth, Type, Orientation, Coating, Shape, Roughness and Other. Drilling and handling breaks are not usually included on the logs.

Defect Type

B	Bedding plane
Cs	Clay seam
Cv	Cleavage
Cz	Crushed zone
Ds	Decomposed seam
F	Fault
J	Joint
Lam	Lamination
Pt	Parting
Sz	Sheared Zone
V	Vein

Orientation

The inclination of defects is always measured from the perpendicular to the core axis.

h	horizontal
v	vertical
sh	sub-horizontal
sv	sub-vertical

Coating or Infilling Term

cln	clean
co	coating
he	healed
inf	infilled
stn	stained
ti	tight
vn	veneer

Coating Descriptor

ca	calcite
cbs	carbonaceous
cly	clay
fe	iron oxide
mn	manganese
slt	silty

Shape

cu	curved
ir	irregular
pl	planar
st	stepped
un	undulating

Roughness

po	polished
ro	rough
sl	slickensided
sm	smooth
vr	very rough

Other

fg	fragmented
bnd	band
qtz	quartz

Symbols & Abbreviations

Graphic Symbols for Soil and Rock

General

■	Asphalt
■	Road base
■	Concrete
■	Filling

Soils

■	Topsoil
■	Peat
▨	Clay
■	Silty clay
■	Sandy clay
■	Gravelly clay
■	Shaly clay
▥	Silt
■	Clayey silt
▥	Sandy silt
■	Sand
■	Clayey sand
■	Silty sand
■	Gravel
■	Sandy gravel
■	Cobbles, boulders
■	Talus

Sedimentary Rocks

■	Boulder conglomerate
■	Conglomerate
■	Conglomeratic sandstone
■	Sandstone
▤	Siltstone
▤	Laminite
▤	Mudstone, claystone, shale
■	Coal
▦	Limestone

Metamorphic Rocks

■	Slate, phyllite, schist
□	Gneiss
□	Quartzite

Igneous Rocks

■	Granite
■	Dolerite, basalt, andesite
■	Dacite, epidote
■	Tuff, breccia
□	Porphyry

Description and Classification Methods

The methods of description and classification of soils and rocks used in this report are based on Australian Standard AS 1726-1993, Geotechnical Site Investigations Code. In general, the descriptions include strength or density, colour, structure, soil or rock type and inclusions.

Soil Types

Soil types are described according to the predominant particle size, qualified by the grading of other particles present:

Type	Particle size (mm)
Boulder	>200
Cobble	63 - 200
Gravel	2.36 - 63
Sand	0.075 - 2.36
Silt	0.002 - 0.075
Clay	<0.002

The sand and gravel sizes can be further subdivided as follows:

Type	Particle size (mm)
Coarse gravel	20 - 63
Medium gravel	6 - 20
Fine gravel	2.36 - 6
Coarse sand	0.6 - 2.36
Medium sand	0.2 - 0.6
Fine sand	0.075 - 0.2

The proportions of secondary constituents of soils are described as:

Term	Proportion	Example
And	Specify	Clay (60%) and Sand (40%)
Adjective	20 - 35%	Sandy Clay
Slightly	12 - 20%	Slightly Sandy Clay
With some	5 - 12%	Clay with some sand
With a trace of	0 - 5%	Clay with a trace of sand

Definitions of grading terms used are:

- Well graded - a good representation of all particle sizes
- Poorly graded - an excess or deficiency of particular sizes within the specified range
- Uniformly graded - an excess of a particular particle size
- Gap graded - a deficiency of a particular particle size with the range

Cohesive Soils

Cohesive soils, such as clays, are classified on the basis of undrained shear strength. The strength may be measured by laboratory testing, or estimated by field tests or engineering examination. The strength terms are defined as follows:

Description	Abbreviation	Undrained shear strength (kPa)
Very soft	vs	<12
Soft	s	12 - 25
Firm	f	25 - 50
Stiff	st	50 - 100
Very stiff	vst	100 - 200
Hard	h	>200

Cohesionless Soils

Cohesionless soils, such as clean sands, are classified on the basis of relative density, generally from the results of standard penetration tests (SPT), cone penetration tests (CPT) or dynamic penetrometers (PSP). The relative density terms are given below:

Relative Density	Abbreviation	SPT N value	CPT qc value (MPa)
Very loose	vl	<4	<2
Loose	l	4 - 10	2 -5
Medium dense	md	10 - 30	5 - 15
Dense	d	30 - 50	15 - 25
Very dense	vd	>50	>25

Soil Descriptions

Soil Origin

It is often difficult to accurately determine the origin of a soil. Soils can generally be classified as:

- Residual soil - derived from in-situ weathering of the underlying rock;
- Transported soils - formed somewhere else and transported by nature to the site; or
- Filling - moved by man.

Transported soils may be further subdivided into:

- Alluvium - river deposits
- Lacustrine - lake deposits
- Aeolian - wind deposits
- Littoral - beach deposits
- Estuarine - tidal river deposits
- Talus - scree or coarse colluvium
- Slopewash or Colluvium - transported downslope by gravity assisted by water. Often includes angular rock fragments and boulders.

BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV	**SURFACE LEVEL:** --	**BORE No:** WLBH01	
PROJECT: Tunnel and Station Excavation Works Package	**EASTING:**	**PROJECT No:** 85608.14	
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:**	**DATE:** 6/12/2017	
	DIP/AZIMUTH: 90°/--	**SHEET** 1 OF 1	

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
	0.09	CONCRETE SLAB							
		FILLING - brown fine to medium sand filling with some fine to medium igneous gravel		A	0.2 0.3				
				S	0.5 0.95		4,4,4 N = 8		
	1.0	SAND - medium dense, yellow fine to medium sand		S	1.0 1.45		3,5,7 N = 12		
				S	2.0 2.45		5,7,9 N = 16		
		- wet from 2.7m						▼	
				S	3.0 3.45		5,13,14 N = 27		
	3.7	CLAYEY SAND - medium dense, yellow clayey sand							
		- indurated sand band from 4.1m to 4.5m		S	4.0 4.45		4,6,5 N = 11		
	5.0	CLAY - stiff, orange, red and yellow clay		S	5.0 5.45		1,3,6 N = 9		
	5.45	Bore discontinued at 5.45m - target depth reached							

RIG: Scout 4 **DRILLER:** RKE **LOGGED:** CB **CASING:** Uncased

TYPE OF BORING: Diacore to 0.09m; Solid flight auger to 5.0m

WATER OBSERVATIONS: Free groundwater observed at 2.9m

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING:
NORTHING:
DIP/AZIMUTH: 90°/--

BORE No: WLBH02
PROJECT No: 85608.14
DATE: 1/12/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata
	0.09	CONCRETE SLAB
	0.15	CONCRETE SLAB
	0.25	CONCRETE SLAB
	0.6	FILLING - cobble sized demolition rubble
		SAND - medium dense, fine and medium grey sand, humid - becomes dark orange/grey at 1.7m
	2.3	CLAY - very stiff, grey clay with some sand - saturated from 3.4m
	4.6	CLAY - very stiff, grey-red clay
	5.45	Bore discontinued at 5.45m - in very stiff clay

Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water
D	0.6 0.7		PID<5	
S	1.0 1.45		3,5,6 N = 11 PID<5	
S	2.0 2.45		8,11,11 N = 22 PID<5 Note: ENV sample 2.0-2.3m and 2.3-2.45m taken from SPT	
S	3.0 3.48		11,13,11 N = 24 PID<5	▼
S	4.0 4.45		10,15,15 N = 30 PID<5	
S	5.0 5.45		5,15,21 N = 36 PID<5	

Well Construction Details

RIG: Scout 4 **DRILLER:** RKE **LOGGED:** MH **CASING:** Uncased
TYPE OF BORING: Solid flight auger to 5.0m
WATER OBSERVATIONS: Free groundwater observed at 3.2m
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

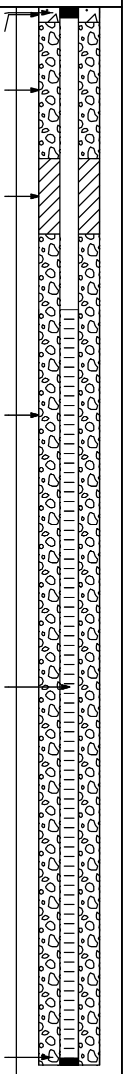
CLIENT:	John Holland CPB Ghella JV	**SURFACE LEVEL:**	--	**BORE No:**	WLMW03
PROJECT:	Tunnel and Station Excavation Works Package	**EASTING:**		**PROJECT No:**	85608.14
LOCATION:	Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:**		**DATE:**	6/12/2017
		DIP/AZIMUTH:	90°/--	**SHEET**	1 OF 1

RL	Depth (m)	Description of Strata
	0.08	CONCRETE SLAB
	0.7	FILLING - brown and orange fine to medium sand filling with some fine to medium igneous gravel and brick fragments
	6.0	SAND - medium dense, yellow fine to medium sand - wet from 2.2m - indurated sand from 4.3m to 4.5m - saturated from 4.8m
	6.3	SANDY CLAY - very stiff, light grey mottled orange sandy clay
	7.45	CLAY - very stiff to hard, grey mottled yellow clay with some ironstone
		Bore discontinued at 7.45m - target depth reached

Sampling & In Situ Testing			
Type	Depth	Sample	Results & Comments
A	0.2 0.3		
S*	0.5 0.95		6,5,7 N = 12
S	1.0 1.45		4,5,7 N = 12
S	2.0 2.45		3,4,5 N = 9
S	3.0 3.45		5,6,8 N = 14
S	4.0 4.45		7,10,12 N = 22
S	5.0 5.45		9,8,6 N = 14
S	6.0 6.45		3,8,10 N = 18 sample taken 6.3-6.45m
S	7.0 7.45		9,17,23 N = 40

Water: ▼ (approx. 3.2m)

Well Construction Details



Gatic cover
Concrete 0.0-0.1m
Gravel 0.1-1.0m
Bentonite 1.0-1.5m
Gravel 1.5-7.0m
Machine slotted PVC screen 2.0-7.0m
End cap

RIG: Scout 4 **DRILLER:** RKE **LOGGED:** CB **CASING:** Uncased

TYPE OF BORING: Diacore to 0.08m; Solid flight auger to 6.0m

WATER OBSERVATIONS: Free groundwater observed at 3.2m

REMARKS: *BD1/20171206 taken at 0.5m to 0.95m

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

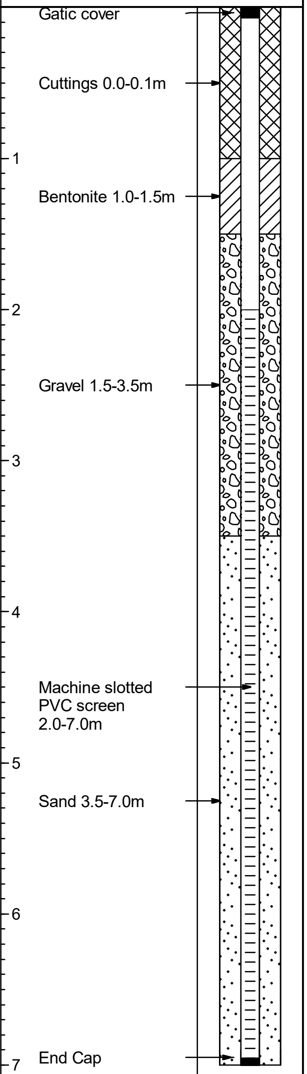
CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING:
NORTHING:
DIP/AZIMUTH: 90°/--

BORE No: WLMW04
PROJECT No: 85608.14
DATE: 30/11/2017
SHEET 1 OF 1

Depth (m)	Description of Strata	Type	Depth	Results & Comments	Water
0.14	CONCRETE SLAB				
	FILLING - dark brown-grey-black filling with brick, ash and fly ash? wet but drying with depth	D	0.3 0.4	PID<5	
		S	0.5 0.95	1,3,4 N = 7 PID<5	
0.7	FILLING - grey, fine to medium sand (possibly natural below 1.5m)	S	1.0 1.45	4,4,4 N = 8 PID<5 ENV sample taken from SPT at 1.0m	
	- horse shoe at approximately 1.4m				▼
2.0	SAND - loose to medium dense, fine white sand	S	2.0 2.45	3,5,7 N = 12 PID<5	
		S	3.0 3.45	6,10,13 N = 23 PID<5	
		S	4.0 4.45	9,14,17 N = 31 PID<5	
	- becoming brown and very wet at 5.0m	S	5.0 5.45	7,9,9 N = 18 PID<5	
5.7	CLAYEY SAND - grey clayey sand	D	5.7 5.9	PID<5	
		S	6.0 6.45	2,4,6 N = 10 PID<5	
6.3	CLAY - stiff to very stiff, grey clay with yellow mottling	S	7.0 7.45	8,13,16 N = 29 PID<5	
7.45	Bore discontinued at 7.45m				

Well Construction Details



RIG: Scout 4 **DRILLER:** RKE **LOGGED:** MH **CASING:** HW to 7.0m
TYPE OF BORING: Solid flight auger to 7.0m
WATER OBSERVATIONS: Free groundwater observed at 1.4m
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

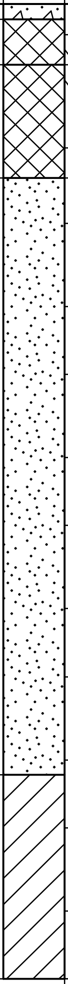
Douglas Partners
Geotechnics / Environment / Groundwater

BOREHOLE LOG

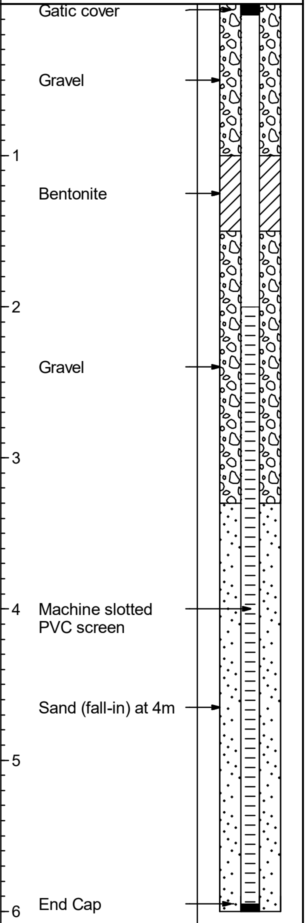
CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING:
NORTHING:
DIP/AZIMUTH: 90°/--

BORE No: WLMW05
PROJECT No: 85608.14
DATE: 30/11/2017
SHEET 1 OF 1



RL	Depth (m)	Description of Strata	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
	0.1	CONCRETE SLAB						Gatic cover
	0.4	FILLING - yellow sand filling	D*	0.2 0.3		PID<5		Gravel
		FILLING - brown-black medium sand filling with charcoal brick, coal, glass	D	0.4		PID<5		
			S	0.5 0.95		4,4,4 N = 8 PID<5		
	1.15	SAND - loose to medium dense, grey sand	S	1.15 1.45		3,4,5 N = 9 PID<5		Bentonite
		- becoming light grey at 2.0m	S	2.0 2.45		4,6,7 N = 13 PID<5		Gravel
			S	3.0 3.45		4,6,7 N = 13 PID<5	▼	
			S	4.0 4.45		9,8,3 N = 11 PID<5		Machine slotted PVC screen
		- increase in silt and clay content at 4.4m, slightly cohesive						Sand (fall-in) at 4m
		- increase in clay at 5.0m	S	5.0 5.45		1,2,2 N = 4 PID<5		
	5.1	CLAY - firm to stiff, grey-red clay						
			S	6.0 6.45		3,6,7 N = 13 PID<5		End Cap
	6.45	Bore discontinued at 6.45m						



RIG: Scout 4 **DRILLER:** RKE **LOGGED:** MH **CASING:** Uncased

TYPE OF BORING: Solid flight auger to 6.0m

WATER OBSERVATIONS: Free groundwater observed at 3.2m

REMARKS: *BD1/20171130 taken at 0.2m to 0.3m

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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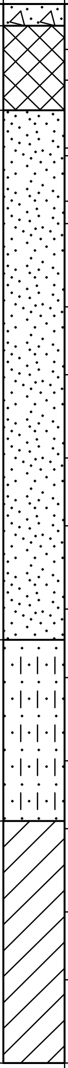
BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING:
NORTHING:
DIP/AZIMUTH: 90°/--

BORE No: WLMW06
PROJECT No: 85608.14
DATE: 1/12/2017
SHEET 1 OF 1

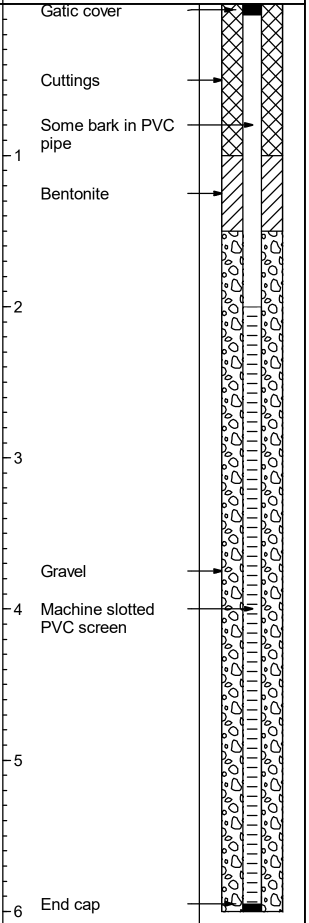
Depth (m)	Description of Strata
0.14	CONCRETE SLAB
0.7	FILLING
4.2	SAND - loose to medium dense, fine to medium grey (white) sand - sand becomes dark brown red at 1.3m - white below by 2.0m - orange sand with some clay at 2.8m
5.4	SILTY SAND - loose to medium dense, fine to medium grey silty sand, saturated
7.0	CLAY - grey-red clay - becoming hard at 6.15m
	Bore discontinued at 7.0m



Type	Depth	Sample	Results & Comments
D	0.0 0.3		
S	0.5 0.95		3,3,4 N = 7
S	1.0 1.3		3,3,3 N = 6 ENV sample 1.0-1.3m
S	1.3 1.45		ENV sample 1.3-1.45m
S	2.0 2.45		8,12,16 N = 28
S	3.0 3.45		14,18,17 N = 35
S	4.0 4.45		3,7,10 N = 17 ENV sample 4.17-4.45m
S	5.0 5.45		7,5,3 N = 8 ENV sample taken from 5.0-5.4m
S	6.0 6.45		11,20,28 N = 48

Water: ▼ at approx. 3.7m

Well Construction Details



RIG: Scout 4 **DRILLER:** RKE **LOGGED:** MH **CASING:** HQ to 6.8m
TYPE OF BORING: Solid flight auger to 7.0m
WATER OBSERVATIONS: Free groundwater observed at 3.7m
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING:
NORTHING:

PIT No: WLTP08
PROJECT No: 85608.14
DATE: 7/11/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Sampling & In Situ Testing: Depth	Sampling & In Situ Testing: Sample	Sampling & In Situ Testing: Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		CONCRETE SLAB	△						
	0.15	FILLING - variably mixed filling with dark brown/grey sand and orange/yellow sand with a trace of clay, building rubble (brick, glass, tile) bone and leather shoe	▨	D*	0.15 0.25				
	0.4	Pit discontinued at 0.4m - due to archaeological finds							
	1								1

RIG: 14t Excavator - 400mm wide bucket **LOGGED:** MH **SURVEY DATUM:** MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BD1/20171107

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING:
NORTHING:

PIT No: WLTP09
PROJECT No: 85608.14
DATE: 7/11/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Sampling & In Situ Testing: Depth	Sampling & In Situ Testing: Sample	Sampling & In Situ Testing: Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		CONCRETE SLAB - 5-10mm aggregate	▨						
	0.15	Pit discontinued at 0.15m - due to archaeological finds							
	1								1

RIG: 14t Excavator - 400mm wide bucket

LOGGED: MH

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING:
NORTHING:

PIT No: WLTP10
PROJECT No: 85608.14
DATE: 7/11/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
				Type	Depth	Sample	Results & Comments		
		CONCRETE SLAB - 16-22mm aggregate, 2 x 10mm reinforcement bar							
	0.2	FILLING - 30-40mm aggregate, brick, and fibre cement (possible asbestos)							
	0.3	Pit discontinued at 0.3m							
	1								1

RIG: 14t Excavator - 400mm wide bucket **LOGGED:** MH **SURVEY DATUM:** MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.9 AHD
EASTING: 333599.9
NORTHING: 6247726.8

PIT No: WLTP11
PROJECT No: 85608.14
DATE: 1/12/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		CONCRETE SLAB							
	0.1	FILLING - brown and yellow sand filling with some sandstone cobbles and a trace of brick, wood, concrete, wire, possible ash, iron pieces, bone, tile and a button		E E	0.1 0.2 0.3				
	0.35	Pit discontinued at 0.35m - due to archaeological finds							
15	1								1
14									

RIG: 5 tonne excavator - 1m wide mud bucket **LOGGED:** DW **SURVEY DATUM:** MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.5 AHD
EASTING: 333592.1
NORTHING: 6247697.7

PIT No: WLTP12
PROJECT No: 85608.14
DATE: 1/12/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		CONCRETE SLAB							
	0.14 0.18	FILLING - brown and yellow sand filling with some sandstone cobbles, gravel and a trace of brick, bottle fragment and possible ash		E*	0.14 0.16				
		Pit discontinued at 0.18m - due to archaeological finds							
15									
	1								1
14									

RIG: 5 tonne excavator - 1m wide mud bucket
LOGGED: DW
SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BDA-20171201 taken from 0.14m to 0.16m

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING:
NORTHING:

PIT No: WLTP13
PROJECT No: 85608.14
DATE: 1/12/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing Type	Sampling & In Situ Testing Depth	Sampling & In Situ Testing Sample	Sampling & In Situ Testing Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		CONCRETE SLAB	△						
	0.1	FILLING - grey and brown sand filling with some gravel and a trace of slag, glass, rock pieces, brick and possible ash	⊠	E	0.1				
	0.15	Pit discontinued at 0.15m - due to archaeological finds			0.15				
	1								1

RIG: 5 tonne excavator - 1m wide mud bucket
LOGGED: DW
SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

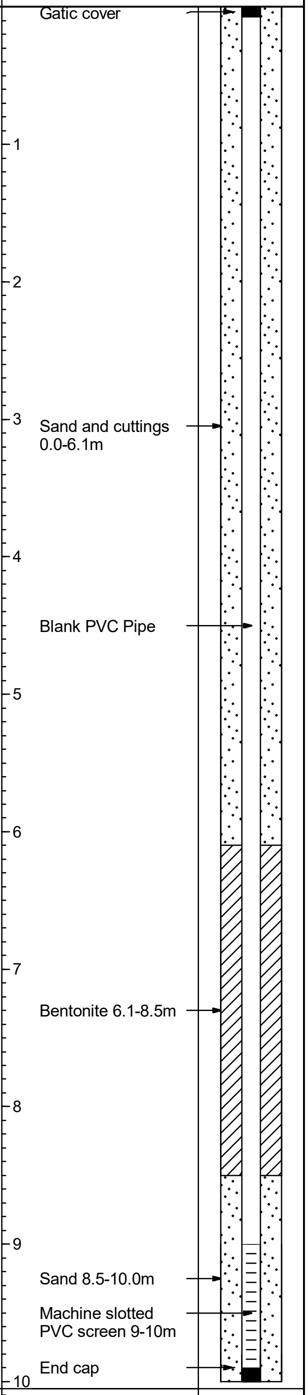
CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16.2 AHD
EASTING: 333561.4
NORTHING: 6247803.5
DIP/AZIMUTH: 90°/--

BORE No: WLMW101
PROJECT No: 85608.14
DATE: 6/3/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water
		FILLING - grey gravelly sand filling with some brick fragments and some concrete gravel at surface		D	0.2 0.5		PID<1	
	0.75	SAND - grey, fine to medium sand		D*	0.8 1.0		PID<1	
		- pale grey/brown from 1m		U_{75}	1.0 1.35		PID<1	
		- moist from 1.6m		U_{75}	1.5 1.85		PID<1	
				U_{75}	2.0 2.35		PID<1	
		- saturated from 3.2m		S	3.0 3.45		5,9,12 N = 21 PID<1	▼
				S	4.0 4.45		4,8,13 N = 21 PID<1	
		- mottled orange and brown with trace of clay from 5.5m		S	5.5 5.95		0,2,1 N = 3 PID<1	
	6.3	CLAY - grey mottled brown, very stiff to hard clay		S	6.6 7.05		4,7,8 N = 15 PID<1	
				S**	8.1 8.55		9,19,30 N = 49 PID<1	
	9.5	SHALE - extremely low strength, extremely weathered grey shale		S	9.6 10.05		11,20,27 N = 47 PID<1	
	10.05	Bore discontinued at 10.05m						

Well Construction Details



RIG: Explora **DRILLER:** JS **LOGGED:** DW **CASING:** HW to 6.1m

TYPE OF BORING: Solid flight auger to 5.5m then roller (wash bore) to 10m

WATER OBSERVATIONS: Free groundwater observed at 3.2m

REMARKS: *BD1-20180306 is blind replicate of 0.8-1.0. ** BD2 - 20180306 blind replicate of 8.1-8.55m

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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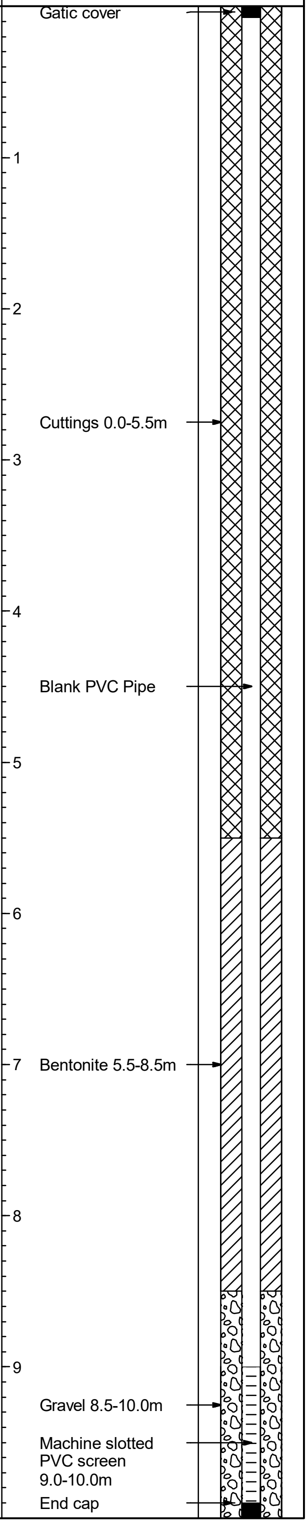
Geotechnics / Environment / Groundwater

BOREHOLE LOG

CLIENT:	John Holland CPB Ghella JV	**SURFACE LEVEL:**	16.1 AHD	**BORE No:**	WLMW102
PROJECT:	Tunnel and Station Excavation Works Package	**EASTING:**	333578	**PROJECT No:**	85608.14
LOCATION:	Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:**	6247765.6	**DATE:**	5/3/2018
		DIP/AZIMUTH:	90°/--	**SHEET**	1 OF 1

RL	Depth (m)	Description of Strata	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water
		FILLING - crushed sandstone	A	0.0 0.1			
	0.2	FILLING - dark brown sandy filling with trace of demolition rubble including tile and brick	D	0.8 1.0		PID<1	
			U$_{75}$	1.0 1.35		PID<1 E: 1.20-1.35m	
	1.5	SAND - grey fine sand	U$_{75}$	1.5 1.85		PID<1 E: 1.7-1.85m	
	1.6	SAND - dark grey medium sand, moist	U$_{75}$	2.0 2.35		PID<1 E: 2.2-2.35m	
			S	3.0 3.45		4,4,5 N = 9 PID<1	▼
			S	4.0 4.45		14,18,16 N = 34 PID<1	
	4.35	SAND - dark brown medium indurated sand ("coffee rock")	S	4.65 5.1		PID<1 Sample loss	
	5.35	CLAYEY SAND - light grey clayey sand - increasing clay with depth					
	5.8	CLAY - brown/yellow clay					
	6.4	CLAY - hard grey clay	S	6.65 7.1		5,12,18 N = 30 PID<1	
			S	8.15 8.6		5,13,20 N = 33 PID<1	
			S	9.65 9.95		22,33/300mm refusal PID<1	
	10.0	Bore discontinued at 10.0m					

Well Construction Details



RIG: Explora **DRILLER:** JS **LOGGED:** MH **CASING:** HW to 4.65m

TYPE OF BORING: Solid flight auger, roller, (wash bore)

WATER OBSERVATIONS: Free groundwater observed at 3.2m

REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U$_x$	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

Douglas Partners
Geotechnics / Environment / Groundwater

BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

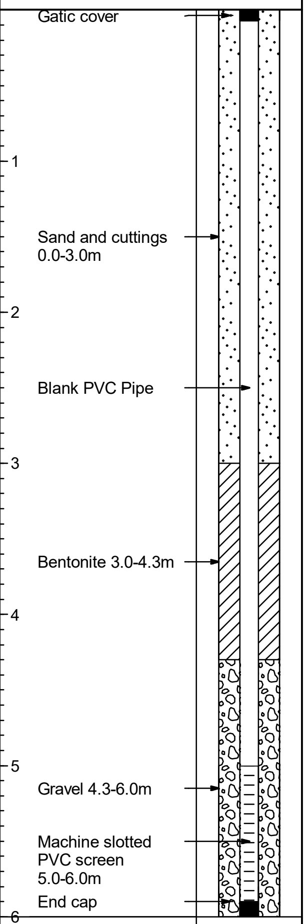
SURFACE LEVEL: 16.0 AHD
EASTING: 333576.3
NORTHING: 6247765.3
DIP/AZIMUTH: 90°/--

BORE No: WLMW102A
PROJECT No: 85608.14
DATE: 5/3/2018
SHEET 1 OF 1

Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water
0.0–0.2	FILLING - crushed sandstone						
0.2–1.5	FILLING - dark brown sand filling with trace of demolition rubble including tile and brick						
1.5–1.6	SAND - grey fine sand						
1.6–4.35	SAND - dark grey, medium grained sand, moist						▼
4.35–5.35	SAND - dark brown medium indurated sand "coffee rock"						
5.35–5.8	CLAYEY SAND - light grey clayey sand						
5.8–6.0	CLAY - brown/yellow clay						
6.0	Bore discontinued at 6.0m						

RL	Depth (m)
16	0
15	1
14	2
13	3
12	4
11	5
10	6
9	7
8	8
7	9

Well Construction Details



RIG: Explora **DRILLER:** JS **LOGGED:** MH **CASING:** Uncased
TYPE OF BORING: Solid flight auger to 6m
WATER OBSERVATIONS: Free groundwater observed at 3.4m
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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Geotechnics / Environment / Groundwater

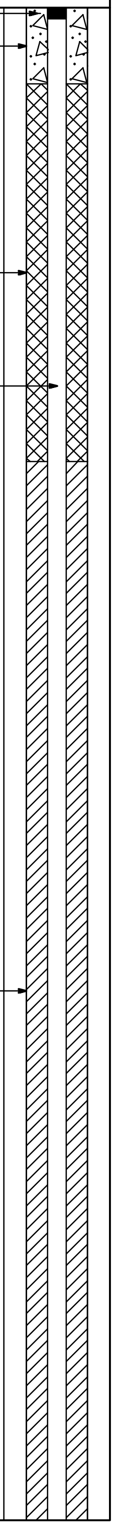
BOREHOLE LOG

CLIENT:	John Holland CPB Ghella JV	**SURFACE LEVEL:** 15.7 AHD	**BORE No:** WLMW103
PROJECT:	Tunnel and Station Excavation Works Package	**EASTING:** 333577.7	**PROJECT No:** 85608.14
LOCATION:	Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:** 6247740.3	**DATE:** 21/2/2018
		DIP/AZIMUTH: 90°/--	**SHEET** 1 OF 2

Depth (m)	Description of Strata
0.0	FOOTING - brick over concrete footing
0.8	SAND - light grey fine sand - becoming damp at 2.5m
4.8	SAND - dark brown medium indurated sand (coffee rock)
5.2	CLAY - firm, light grey clay - becoming hard at 7.4m
9.7	SHALE - grey shale

Type	Depth	Sample	Results & Comments	Water
U_{75}	1.0 1.45		PID<1 E: 1.2-1.4m	
U^*_{75}	1.5 1.95		PID<1 ASS:1.4-1.45m E: 1.7-1.95m ASS: 1.9-1.95m	
U_{75}	2.0 2.35		PID<1 E: 2.1-2.3m ASS: 2.3-2.35m	
U_{75}	2.5 2.7		PID<1 E: 2.5-2.7m	
	2.8		PID<1 ASS: 2.7-2.8m	
S	3.0 3.45		4,7,8 N = 15 PID<1	
S	4.0 4.35		18,24,24 N = 48 PID<1 ASS: 4.0-4.35m	
	4.45		PID<1 4.35-4.45m	
	5.2		PID<1 5.2-5.45m:	
S	5.5 5.95		1,3,3 N = 6 PID<1	
S	7.0 7.45		8,16,27 N = 43 PID<1	
S	8.5 8.84		16,28,30/11mm refusal PID<1	

Well Construction Details



Gatic cover

Concrete 0.0-0.5m

Cuttings 0.5-3.0m

Blank PVC Pipe

Bentonite 3.0-10.0m

RIG: Scout 4 **DRILLER:** RKE **LOGGED:** MH/CL **CASING:** HW to

TYPE OF BORING: Solid flight auger to 10.5m;

WATER OBSERVATIONS:

REMARKS: *BD1/20180121 taken at 1.5m to 1.95m

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

Douglas Partners
Geotechnics / Environment / Groundwater

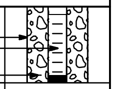
BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.7 AHD
EASTING: 333577.7
NORTHING: 6247740.3
DIP/AZIMUTH: 90°/--

BORE No: WLMW103
PROJECT No: 85608.14
DATE: 21/2/2018
SHEET 2 OF 2

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Well Construction Details
				Type	Depth	Sample	Results & Comments		
		SHALE - grey shale *(continued)*		S	10.0 10.45		17,28,30 N = 58 PID<1		Gravel 10.0-10.5m Machine slotted PVC screen 9.5-10.5m End cap
	10.5	Bore discontinued at 10.5m							
5									
	11								11
4									
	12								12
3									
	13								13
2									
	14								14
1									
	15								15
0									
	16								16
-1									
	17								17
-2									
	18								18
-3									
	19								19
-4									



RIG: Scout 4 **DRILLER:** RKE **LOGGED:** MH/CL **CASING:** HW to
TYPE OF BORING: Solid flight auger to 10.5m;
WATER OBSERVATIONS:
REMARKS: *BD1/20180121 taken at 1.5m to 1.95m

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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Geotechnics / Environment / Groundwater

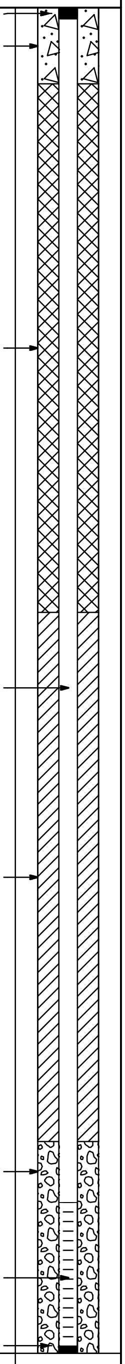
BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.3 AHD
EASTING: 333606.3
NORTHING: 6247700.3
DIP/AZIMUTH: 90°/--

BORE No: WLMW104
PROJECT No: 85608.14
DATE: 19/2/2018
SHEET 1 OF 1

Depth (m)	Description of Strata	Type	Depth	Results & Comments	Water	Well Construction Details
0.15	FILLING - light brown, sand filling with some demolition rubble					Gatic cover Concrete 0.0-0.5m
	SAND - light grey fine sand	D	0.4 0.5	PID<1		
		D*	0.9 1.0	PID<1		
		U75	1.0 1.45	PID<1 E: 1.35-1.45m		
	- becoming damp at 1.5m	U75	1.5 1.95	ASS: 1.85-1.95m		
		U75	2.0 2.3	PID<1 ASS:2.15-2.3m		Cuttings 0.5-4.0m
	- saturated at 2.7m				▼	
		S	3.0 3.45	7,7,14 N = 21 PID<1		
4.1	SILTY CLAY - grey silty clay with trace iron staining	S	4.0 4.45	3,5,5 N = 10 PID<1 ASS: 4.4-4.45m		Blank PVC Pipe
		S	5.5 5.84	11,23,30/110mm refusal PID<1		Bentonite 4.0-7.5m
		S	7.0 7.2 7.3 7.45	ASS: 7.2-7.3m 11,19,28 N = 47 PID<1 E: 7.3-7.45m		Gravel 7.5-8.9m
8.5	SHALE - grey shale	S	8.5 8.87	19,25,30/80mm refusal PID<1		Machine slotted PVC screen 7.9-8.9m End cap
8.9	Bore discontinued at 8.9m					



RIG: Scout 4 **DRILLER:** RKE **LOGGED:** MH **CASING:** HW to 5.5m

TYPE OF BORING: Solid flight auger to 8.9m

WATER OBSERVATIONS: Free groundwater observed at 2.7m

REMARKS: *BD1/2980219 taken from 0.9m to 1.0m

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

Douglas Partners
Geotechnics / Environment / Groundwater

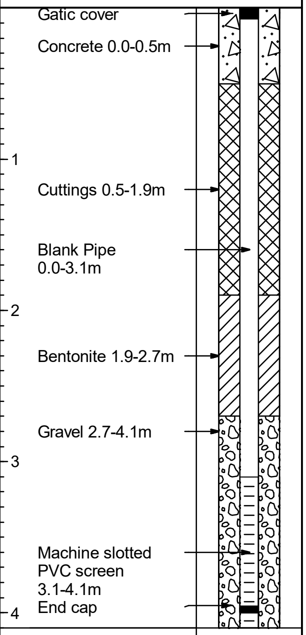
BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.3 AHD
EASTING: 333606.4
NORTHING: 6247701.2
DIP/AZIMUTH: 90°/--

BORE No: WLMW104A
PROJECT No: 85608.14
DATE: 20/2/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
	0.15	FILLING - light brown, sand filling with some demolition rubble							
		SAND - light grey fine sand - becoming damp at 1.5m - saturated at 2.7m at 1.6							
	4.1	Bore discontinued at 4.1m on silty clay							



RIG: Scout 4 **DRILLER:** RKE **LOGGED:** MH **CASING:** HW to 5.5m
TYPE OF BORING: Solid flight auger to 4.1m
WATER OBSERVATIONS: Free groundwater observed at 2.7m
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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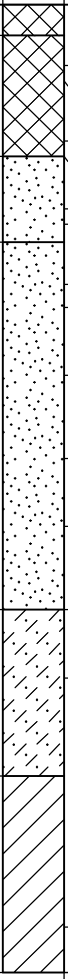
BOREHOLE LOG

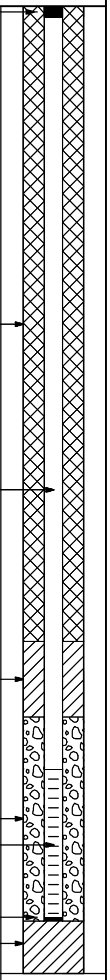
CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.4 AHD
EASTING: 333616.5
NORTHING: 6247654.2
DIP/AZIMUTH: 90°/--

BORE No: WLMW105
PROJECT No: 85608.14
DATE: 2/3/2018
SHEET 1 OF 1



Depth (m)	Description of Strata	Type	Depth	Results & Comments	Water	Well Construction Details
	FILLING - densely graded base (DGB)					Gatic cover
0.2	FILLING - crushed sandstone filling	D D*	0.4 0.5 0.9 1.0			
1.0	SAND - brown, medium brown indurated sand ("coffee rock")	U_{75}	1.0 1.35			
1.57	SAND - yellow medium sand, damp - becoming orange at 3m	U_{75} U_{75} S	1.45 1.85 2.0 2.45 3.0 3.45	13,18,20 N = 38	▼	Cuttings 0.0-4.2m Blank PVC Pipe
4.0	CLAYEY SAND - orange/red clayey sand	S	4.0 4.45	5,5,9 N = 14		Bentonite 4.2-4.7m
5.1	CLAY - hard light grey clay with some red staining	S	6.1 6.4	15,32/150mm refusal		Gravel 4.7-6.05m Machine slotted PVC screen 5.05-6.05m End cap Bentonite 6.05-6.4m
6.4	Bore discontinued at 6.4m					



RIG: Explora **DRILLER:** JS **LOGGED:** MH **CASING:** HW to 4.1m
TYPE OF BORING: Solid flight auger to 8.4m
WATER OBSERVATIONS: Free groundwater observed at 3.6m
REMARKS: *replicate sample BD1/20180302 collected

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

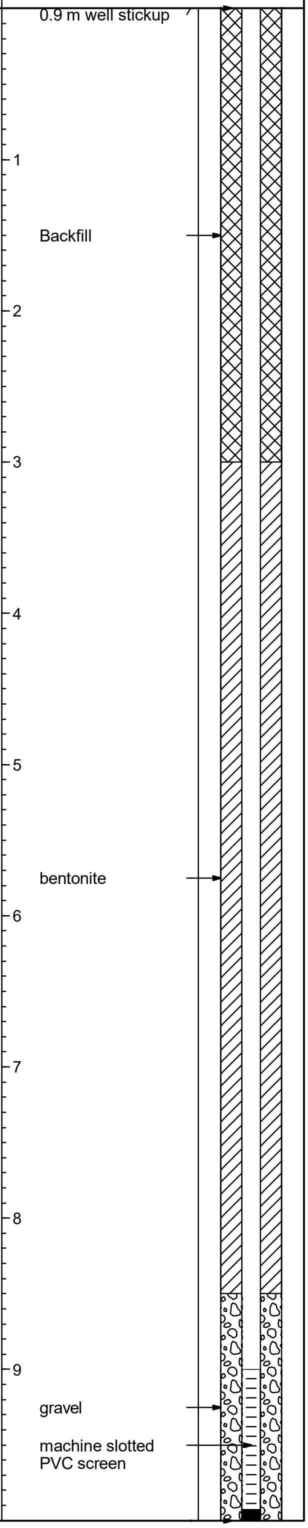
CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING:
NORTHING:
DIP/AZIMUTH: 90°/--

BORE No: WLMW106
PROJECT No: 85608.14
DATE: 11/5/2018
SHEET 1 OF 2

Depth (m)	Description of Strata	Type	Depth	Results & Comments
	FILLING - light grey sand filling, with fine to medium igneous gravel, trace building rubble	A	0.4 0.5	
		A*	0.9 1.0	
1.3	FILLING - dark brown mottled light brown sand filling, with fine to medium igneous gravel, trace of brick fragments and glass	A	1.4 1.5	
		A	1.9 2.0	
3.0	SAND - yellow fine sand, moist	S	3.0 3.45	4,6,9 N = 15
		S	4.5 4.95	1,1,2 N = 3
5.7	SANDY CLAY - red mottled brown sandy clay	S	6.0 6.45	1,2,4 N = 6
8.0	CLAY - stiff grey clay	S	8.2 8.65	7,17,24 N = 41
9.5	SHALY CLAY: grey shaly clay with ironstone gravel	S	9.7	16,32,29 N = 61

Well Construction Details



RIG: Scout 4 **DRILLER:** JS **LOGGED:** CL **CASING:**
TYPE OF BORING: Solid flight auger to 3.0m, washbore to 10.15 m
WATER OBSERVATIONS: Free groundwater observed at 3.0m
REMARKS: *BD1/20180511 taken from 0.9 to 1.0 m

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT:	John Holland CPB Ghella JV	**SURFACE LEVEL:**	--	**BORE No:**	WLMW106
PROJECT:	Tunnel and Station Excavation Works Package	**EASTING:**		**PROJECT No:**	85608.14
LOCATION:	Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:**		**DATE:**	11/5/2018
		DIP/AZIMUTH:	90°/--	**SHEET**	2 OF 2

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Well Construction Details
				Type	Depth	Sample	Results & Comments		
	10.15	Bore discontinued at 10.15m on shale		S	10.15				end cap
	11								11
	12								12
	13								13
	14								14
	15								15
	16								16
	17								17
	18								18
	19								19

RIG: Scout 4 **DRILLER:** JS **LOGGED:** CL **CASING:**

TYPE OF BORING: Solid flight auger to 3.0m, washbore to 10.15 m

WATER OBSERVATIONS: Free groundwater observed at 3.0m

REMARKS: *BD1/20180511 taken from 0.9 to 1.0 m

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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Geotechnics / Environment / Groundwater

BOREHOLE LOG

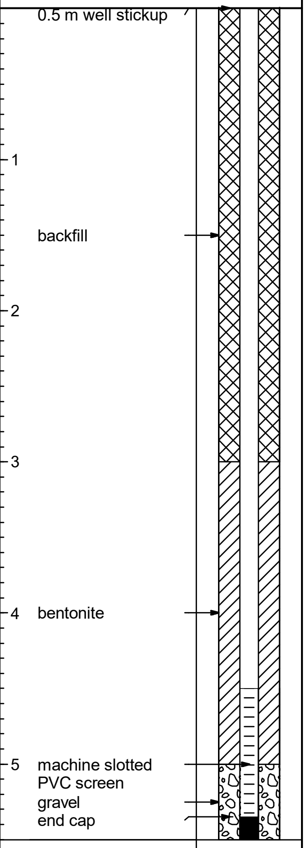
CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING:
NORTHING:
DIP/AZIMUTH: 90°/--

BORE No: WLMW106A
PROJECT No: 85608.14
DATE: 11/5/2017
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water
		FILLING - light grey sand filling with fine to medium igneous gravel, building rubble	▨					
	1.2	FILLING - dark brown sand filling, with fine to medium igneous gravel, trace of brick fragments	▨					
	3.0	SAND: yellow fine grained sand, moist	⁙					
	5.5	Bore discontinued at 5.5m on sandy clay						

Well Construction Details



RIG: Scout **DRILLER:** JS **LOGGED:** CL **CASING:** uncased
TYPE OF BORING: Solid flight auger to 5.5 m
WATER OBSERVATIONS: Free ground water observed at 3.1 m
REMARKS:

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.696 AHD
EASTING: 333597.045
NORTHING: 6247715.36

PIT No: BH01-TPC
PROJECT No: 85608.14
DATE: 2/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		FILLING - light grey, silty, sandy gravel filling (imported recycled DGB)	▩						
	0.2	FILLING - grey crushed sandstone filling (imported tunnel spoil)	▩	D	1.0 1.1		PID=6		
	1.1	SAND - orange mottled brown sand (in-situ ceramic pipe?)	⁙	A	1.4 1.5		PID=5		
	2.0	SAND - yellow fine sand	⁙	A	2.1 2.2		PID=4		
	2.4	SAND - white fine sand	⁙	A	2.5 2.6		PID=6		
	3.0	Pit discontinued at 3.0m - test pit collapse							

RIG: 4t Excavator, 300mm bucket
LOGGED: MH
SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: Survey information provided by JHCPBGJV

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.726 AHD
EASTING: 333596.596
NORTHING: 6247720.048

PIT No: BH01-TPN
PROJECT No: 85608.14
DATE: 26/4/2018
SHEET 1 OF 1

Depth (m)	Description of Strata	Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
	FILLING - light grey, silty, sandy gravel filling (imported recycled DGB)						
0.3	FILLING - grey crushed sandstone filling with geofabric (imported tunnel spoil) 0.3 m: geofabric at interface						
1.2	FILLING - dark grey sand filling, with some building rubble 1.2 m: geofabric at interface						
1.6	SAND - yellow fine to medium sand, humid - with brown sand layer at 2.7m - becoming wet at 3.2m					26-04-18	
3.6	SILTY SAND - dark brown silty sand, wet						
3.8	Pit discontinued at 3.8m - test pit collapse						

RIG: 24t Excavator - 1200mm bucket
LOGGED: MH
SURVEY DATUM: MGA94

WATER OBSERVATIONS: Free groundwater observed at 3.2m

REMARKS: * Replicate sample BD1/20180426 collected at 3.1 - 3.2m; Survey information provided by JHCPBGJV

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.664 AHD
EASTING: 333599.558
NORTHING: 6247716.206

PIT No: BH01-TPE1
PROJECT No: 85608.14
DATE: 2/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		FILLING - light grey, silty, sandy gravel filling (imported recycled DGB)	▨						
15	0.2	FILLING - grey crushed sandstone filling (imported tunnel spoil)	▨						
	1.0	FILLING - brown sand filling, with building rubble (brick, ceramic, pipe) and charcoal, wet	▨	A	1.1 1.2		PID=7		
14	1.6	SAND - light grey fine to medium sand	⁘	A	1.6 1.7		PID=12		
	2.0	Pit discontinued at 2.0m - test pit collapse							

RIG: 4t Excavator, 300mm bucket
LOGGED: MH
SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: Survey information provided by JHCPBGJV

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT:	John Holland CPB Ghella JV	**SURFACE LEVEL:**	15.664 AHD	**PIT No:**	BH01-TPE2
PROJECT:	Tunnel and Station Excavation Works Package	**EASTING:**	333599.558	**PROJECT No:**	85608.14
LOCATION:	Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:**	6247716.206	**DATE:**	4/5/2018
				SHEET	1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		FILLING - light grey, silty, sandy gravel filling (imported recycled DGB)		D	0.1 0.2				
	0.4	FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)		D*	0.4 0.5				
15	1								
	1.2	FILLING - dark brown sand filling, with igneous gravel, trace tile and charcoal		D	1.3 1.4				
14	1.7	SAND - white sand		D	1.7 1.8				
	2			D	2.3 2.4				
13		- becoming moist below 2.8m		D	2.9 3.0				
	3 3.0	Pit discontinued at 3.0m - test pit collapse							
12	4								
11									

RIG: 8t Excavator - 450mm bucket **LOGGED:** CL **SURVEY DATUM:** MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: * Replicate sample BD1/20180504 collected at 0.4 - 0.5m; Survey information provided by JHCPBGJV

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.629 AHD
EASTING: 333598.082
NORTHING: 6247711.917

PIT No: BH01-TPS
PROJECT No: 85608.14
DATE: 1/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Sampling & In Situ Testing: Depth	Sampling & In Situ Testing: Sample	Sampling & In Situ Testing: Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		FILLING - light grey, silty, sandy gravel filling (imported recycled DGB)	☒						
	0.2	FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)	☒						
15									
	1.0	FILLING - grey brown sand filling with some brick, charcoal and igneous gravel	☒	A	1.1 1.2		PID=15		
	1.3	SAND - orange/yellow medium sand with trace silt	⁚	A	1.4 1.5				
		SAND - white fine sand	⁚	A	1.6 1.7		PID=12		
14									
	2								
13									
	3	- wet at 3m	⁚	A	3.0 3.1		PID=5		
	3.2	Pit discontinued at 3.2m - test pit collapse							
12									
	4								
11									

RIG: 4t Excavator, 300mm bucket

LOGGED: MH

SURVEY DATUM: MGA94

WATER OBSERVATIONS: Free groundwater observed at 3.2m

REMARKS: Replicate sample BD1 collected at 1.6-1.7 m, survey information provided by JHCPBGJV

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV	**SURFACE LEVEL:** 15.572 AHD	**PIT No:** BH01-TPW	
PROJECT: Tunnel and Station Excavation Works Package	**EASTING:** 333594.465	**PROJECT No:** 85608.14	
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:** 6247713.913	**DATE:** 4/5/2018	
		SHEET 1 OF 1	

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
		FILLING - light grey, silty, sandy gravel filling (imported recycled DGB)	☒	D	0.1 0.2				
15	0.3	FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)	☒	D	0.4 0.5				
14	1 1.0	FILLING - dark brown silty sand filling, with gravel, trace clay nodules and charcoal	☒	D	1.3 1.4				1
13	2 1.9	SAND - white sand	∴	D*	1.9 2.0				2
				D	2.4 2.5				
		- becoming moist at 2.9m		D	2.9 3.0				
12	3 3.0	Pit discontinued at 3.0m - test pit collapse							3
11	4								4

RIG: 8t Excavator - 450mm bucket **LOGGED:** CL **SURVEY DATUM:** MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: * Replicate sample BD2/20180504 collected at 1.9 - 2.0m; Survey information provided by JHCPBGJV

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.454 AHD
EASTING: 333618.425
NORTHING: 6247673.412
DIP/AZIMUTH: 90°/--

BORE No: BH201
PROJECT No: 85608.14
DATE: 30/4/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
15		FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)							
	0.9	FILLING - brown medium sand filling, with gravel (possibly natural)		A	0.9 1.0				
14	1.2	SAND - dark brown organic sand (possibly disturbed)		A	1.2 1.3				
		- becoming red/brown at 1.6m		A	1.6 1.7				
	2.1	SAND - light grey medium sand, humid		A	2.1 2.2				
13	2.4	CLAYEY SAND - grey mottled yellow clayey sand, low plasticity, humid to moist		A	2.5 2.6				
12		- grey, low to medium plasticity, moist at 3.2m		A	3.2 3.3				
	3.7	SAND - white, trace clay, wet		A	3.7 3.8				
	3.9	SANDY CLAY - grey sandy clay		A	4.0 4.1				
11	4.2	Bore discontinued at 4.2m - target depth reached							

RIG: 24t Excavator - 1200mm bucket **DRILLER:** Gavin **LOGGED:** MH **CASING:** Uncased
TYPE OF BORING: 300mm diameter solid flight auger
WATER OBSERVATIONS: No free groundwater observed
REMARKS: Survey information provided by JHCPBGJV

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.858 AHD
EASTING: 333587.432
NORTHING: 6247714.916
DIP/AZIMUTH: 90°/--

BORE No: BH202
PROJECT No: 85608.14
DATE: 1/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
		FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)		B	0.2 0.3				
	0.7	FILLING - brown and grey sand filling, with some building rubble		A	0.7 0.8				
15	0.9	SAND - grey fine and medium sand		A	1.4 1.5				
14	1.9	SAND - brown sand, with trace silt		A	1.9 2.0				
	2.1	Bore discontinued at 2.1m - target depth reached							

RIG: 24t Excavator - 1200mm bucket **DRILLER:** Gavin **LOGGED:** MH **CASING:** Uncased

TYPE OF BORING: 300mm diameter solid flight auger

WATER OBSERVATIONS: No free groundwater observed

REMARKS: Survey information provided by JHCPBGJV

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.601 AHD
EASTING: 333604.268
NORTHING: 6247721.447
DIP/AZIMUTH: 90°/--

BORE No: BH203
PROJECT No: 85608.14
DATE: 30/4/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Sampling & In Situ Testing: Depth	Sampling & In Situ Testing: Sample	Sampling & In Situ Testing: Results & Comments	Water	Well Construction Details
		FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)	☒	A	0.5 0.6				
15	0.7	SAND - dark brown medium sand, with trace clay	⁘	A	0.7 0.8				
	1.1	SAND - light brown yellow medium sand, moist	⁘	A	1.2 1.3				
14		- becoming yellow fine to medium sand at 1.7m	⁘	A	1.7 1.8				
		- becoming grey at 2.0m, humid	⁘	A*	2.0 2.1				
	2.2	Bore discontinued at 2.2m - target depth reached							

RIG: 24t Excavator - 1200mm bucket **DRILLER:** Gavin **LOGGED:** MH **CASING:** Uncased
TYPE OF BORING: 300mm diameter solid flight auger
WATER OBSERVATIONS: No free groundwater observed
REMARKS: * Replicate sample BD1/20180430 collected at 2.0 - 2.1m; Survey information provided by JHCPBGJV

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV	**SURFACE LEVEL:** 16.074 AHD	**BORE No:** BH204	
PROJECT: Tunnel and Station Excavation Works Package	**EASTING:** 333577.402	**PROJECT No:** 85608.14	
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:** 6247736.814	**DATE:** 1/5/2018	
	DIP/AZIMUTH: 90°/--	**SHEET** 1 OF 1	

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
16		FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)							
	0.7	FILLING - dark brown sand filling, with building rubble (brick, tile and glass)							
15	1								
				A	1.3 1.4				
	1.5	SAND - grey fine to medium sand							
				A	1.6 1.7				
		- black sand layer from 1.9 - 2.1m							
14	2			A	2.0 2.1				
	2.1	SAND - dark brown and red medium sand (indurated)							
				A	2.2 2.3				
				A	2.8 2.9				
13	3.0	SAND - yellow medium sand, moist							
		- wet at 3.6m		A	3.6 3.7			▼ 01-05-18	
12	4			A	4.1 4.2				
	4.3	Bore discontinued at 4.3m - target depth reached							

RIG: 24t Excavator - 1200mm bucket **DRILLER:** Gavin **LOGGED:** MH **CASING:** Uncased

TYPE OF BORING: 300mm diameter solid flight auger

WATER OBSERVATIONS: Free groundwater observed at 3.6m

REMARKS: Survey information provided by JHCPBGJV

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.817 AHD
EASTING: 333601
NORTHING: 6247739.984
DIP/AZIMUTH: 90°/--

BORE No: BH205
PROJECT No: 85608.14
DATE: 1/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
	0.3	FILLING - grey crushed sandstone filling with some sandstone cobbles (imported tunnel spoil)	▨	A	0.2 0.3				
	0.9	FILLING - brown sand filling	▨	A	0.8 0.9				
	1.9	SAND - brown and yellow fine sand - becoming light grey fine sand at 1.4m	░	A A	1.4 1.5 1.7 1.8				
		Bore discontinued at 1.9m - target depth reached							

RIG: 24t Excavator - 1200mm bucket **DRILLER:** Gavin **LOGGED:** MH **CASING:** Uncased
TYPE OF BORING: 300mm diameter solid flight auger
WATER OBSERVATIONS: No free groundwater observed whilst augering
REMARKS: Survey information provided by JHCPBGJV

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16.170 AHD
EASTING: 333576.168
NORTHING: 6247748.567
DIP/AZIMUTH: 90°/--

BORE No: BH206
PROJECT No: 85608.14
DATE: 1/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Sampling & In Situ Testing: Depth	Sampling & In Situ Testing: Sample	Sampling & In Situ Testing: Results & Comments	Water	Well Construction Details
16		FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)	▨	B	0.2 0.3				
	0.9	FILLING- dark brown silty sand filling, trace building rubble (brick, concrete and charcoal)	▨	A	0.9 1.0				
15	1.2	SAND - grey fine to medium sand	░	A	1.3 1.4				
14	2.4	Bore discontinued at 2.4m - target depth reached							
13									
12									

RIG: 24t Excavator - 1200mm bucket **DRILLER:** Gavin **LOGGED:** MH **CASING:** Uncased
TYPE OF BORING: 300mm diameter solid flight auger
WATER OBSERVATIONS: No free groundwater observed whilst augering
REMARKS: Survey information provided by JHCPBGJV

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.954 AHD
EASTING: 333595.832
NORTHING: 6247755.041
DIP/AZIMUTH: 90°/--

BORE No: BH207
PROJECT No: 85608.14
DATE: 1/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
		FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)	▨						
	0.5	FILLING - dark brown sand filling, trace building rubble (ceramic and brick)	▨	A	0.6 0.7				
15	0.9	SAND - yellow fine to medium sand, humid	⁚						
	1								1
		- becoming white at 1.5m		D*	1.5 1.6				
		- becoming moist at 1.7m							
14	2								2
				A	2.8 2.9				
13	3	- wet at 3.0m							3
				A	3.4 3.5				
		- saturated at 3.7m						▼ 01-05-18	
12	4			A	3.9 4.0				4
	4.1	Bore discontinued at 4.1m - target depth reached							
11									

RIG: 24t Excavator - 1200mm bucket **DRILLER:** Gavin **LOGGED:** MH **CASING:** Uncased

TYPE OF BORING: 300mm diameter solid flight auger

WATER OBSERVATIONS: Free groundwater observed at 3.7m

REMARKS: * Replicate samples BD1/20180501 and BD2/20180501 collected at 1.5 - 1.6m; Survey information provided by JHCPBGJV

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

Douglas Partners
Geotechnics / Environment / Groundwater

BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16.149 AHD
EASTING: 333593.272
NORTHING: 6247769.768
DIP/AZIMUTH: 90°/--

BORE No: BH208
PROJECT No: 85608.14
DATE: 1/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Well Construction Details
16		FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)	▨	B	0.2 0.3				
	0.6	FILLING - dark brown sand filling, with building rubble (bricks, tile and metal)	▨	A	0.8 0.9				
15 14	0.9 1 2	SAND - yellow fine to medium sand - becoming grey at 1.7m	░	A* A	1.5 1.6 2.1 2.2				1 2
13 12	2.3 3 4	Bore discontinued at 2.3m - target depth reached							3 4

RIG: 24t Excavator - 1200mm bucket **DRILLER:** Gavin **LOGGED:** MH **CASING:** Uncased
TYPE OF BORING: 300mm diameter solid flight auger
WATER OBSERVATIONS: No free groundwater observed
REMARKS: * Replicate sample BD3/20180501 collected at 1.5 - 1.6m; Survey information provided by JHCPBGJV

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16.127 AHD
EASTING: 333565.725
NORTHING: 6247778.2
DIP/AZIMUTH: 90°/--

BORE No: BH209
PROJECT No: 85608.14
DATE: 1/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing				Water	Well Construction Details
				Type	Depth	Sample	Results & Comments		
16		FILLING - dark brown sand filling with building rubble (bricks and concrete)	▨	A	0.3 0.4				
15	0.4 1	SAND - light grey sand	⁘	A	1.9 2.0				
14 13 12	2 2.2 3 4	Bore discontinued at 2.2m - target depth reached							

RIG: 24t Excavator - 1200mm bucket **DRILLER:** Gavin **LOGGED:** MH **CASING:** Uncased
TYPE OF BORING: 300mm diameter solid flight auger
WATER OBSERVATIONS: No free groundwater observed
REMARKS: Sample BH209 for ENM analysis collected to south of BH209; Survey information provided by JHCPBGJV

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16.361 AHD
EASTING: 333588.01
NORTHING: 6247786.23
DIP/AZIMUTH: 90°/--

BORE No: BH210
PROJECT No: 85608.14
DATE: 1/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Sampling & In Situ Testing: Depth	Sampling & In Situ Testing: Sample	Sampling & In Situ Testing: Results & Comments	Water	Well Construction Details
16		FILLING - grey crushed sandstone filling, with some sandstone cobbles (imported tunnel spoil)	▨						
	0.8	FILLING - dark brown sand filling, trace building rubble	▨	A	0.8 0.9				
	0.9 1	SAND - grey and brown fine to medium sand	░						1
15			░						
			░	A	1.6 1.7				
		- becoming yellow and grey at 1.8m	░	A	1.9 2.0				
	2	- becoming grey at 2.0m	░						2
14			░	A B	2.4 2.5				
		- becoming fine at 2.6m	░						
	3		░	A	3.0 3.1				3
13			░	A	3.5 3.6				
		- becoming saturated at 3.7m	░						
	4		░	A	4.0 4.1				4
12	4.2	Bore discontinued at 4.2m - target depth reached							

RIG: 24t Excavator - 1200mm bucket **DRILLER:** Gavin **LOGGED:** MH **CASING:** Uncased
TYPE OF BORING: 300mm diameter solid flight auger
WATER OBSERVATIONS: Free groundwater observed at 3.5m
REMARKS: Survey information provided by JHCPBGJV

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 17 AHD
EASTING: 333555.4
NORTHING: 6247820.2

PIT No: WLBH211
PROJECT No: 85608.14
DATE: 28/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
17		FILLING: dark brown sand filling with fine to medium igneous gravel and a trace of glass, rubber and terracotta							
				A	0.4 0.5				
	0.5	SAND: yellow fine sand 0.6m: trace of dark brown and red indurated sand							
				A	0.7 0.8				
16	1								1
				A	1.4 1.5				
15	2 2.0	Pit discontinued at 2.0m - target depth reached							2
14	3								3
13	4								4

RIG: 3t excavator with 450 mm bucket **LOGGED:** CL **SURVEY DATUM:** MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16 AHD
EASTING: 333566.2
NORTHING: 6247880.1

PIT No: WLBH212
PROJECT No: 85608.14
DATE: 28/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
16		FILLING: brown silty sand filling with fine to medium gravels and a trace of brick	▨	A*	0.2 0.4				
	0.6	FILLING: grey mottled dark brown sand filling (possibly natural)	▨	A	0.8 0.9				
15	1								
	1.4	SAND: light brown mottled yellow fine sand (upper possibly disturbed filing to approximately 2.1m)	⁘	A	1.5 1.6				
14	2	2.1m: dark brown and red indurated sand in the south test pit wall at 2.1m (approximately 0.3m in thickness)	⁘						
		2.5m: becoming yellow	⁘	A	2.5 2.6				
13	3		⁘						
		3.5m: becoming moist	⁘						
	3.8	Pit discontinued at 3.8m - test pit collapse							
12	4								

RIG: 3t excavator with 450 mm bucket

LOGGED: CL

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BD1/20180528

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16 AHD
EASTING: 333584.3
NORTHING: 6247782.4

PIT No: WLBH213
PROJECT No: 85608.14
DATE: 28/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm)
16	0.0	FILLING: grey crushed sandstone filling with some sandstone cobbles (imported tunnel spoil), and trace of shale and asphalt		A	0.4 0.5				
	0.6	FILLING: yellow-brown sand filling (possibly natural)		A	1.2 1.3				
	1.4	SAND: light grey and yellow fine to medium sand							
14	2.0	Pit discontinued at 2.0m - target depth reached							

RIG: 3t excavator with 450 mm bucket
LOGGED: CL
SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT:	John Holland CPB Ghella JV	**SURFACE LEVEL:**	17 AHD	**PIT No:**	WLBH214
PROJECT:	Tunnel and Station Excavation Works Package	**EASTING:**	333573.2	**PROJECT No:**	85608.14
LOCATION:	Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:**	6247805.1	**DATE:**	28/5/2018
				SHEET	1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
17		FILLING: grey crushed sandstone filling with some sandstone cobbles (imported tunnel spoil), and trace of asphalt	☒	A	0.5 0.6				
	0.7	FILLING: yellow-brown sand filling (possibly natural)	☒	A	1.0 1.1				
16	1								1
	1.3	SAND: light grey fine to medium sand	⁘	A A	1.4 1.5 1.9 2.0				
15	2 2.0	Pit discontinued at 2.0m - test pit collapse							2
14	3								3
13	4								4

RIG: 3t excavator with 450 mm bucket **LOGGED:** CL **SURVEY DATUM:** MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16 AHD
EASTING: 333575.9
NORTHING: 6247822.5

PIT No: WLBH215
PROJECT No: 85608.14
DATE: 28/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
16		FILLING: grey crushed sandstone filling (imported tunnel spoil) mixed with yellow sand filling, with bricks, concrete, rootlets and metal (building demolition rubble)	▨	A	0.9 1.0				
15	1								
	1.2	FILLIING: orange mottled dark brown sand filling with trace of bricks, roots and terracotta	▨	A	1.4 1.5				
	1.6	SAND: light grey fine sand	∴	A	1.9 2.0				
14	2								
13	3								
		3.4m: becoming yellow grey and moist	∴	A	3.4 3.5				
	3.5	Pit discontinued at 3.5m - test pit collapse							
12	4								

RIG: 3t excavator with 450 mm bucket
LOGGED: CL
SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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TEST PIT LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16 AHD
EASTING: 333563.5
NORTHING: 6247801.7

PIT No: WLBH216
PROJECT No: 85608.14
DATE: 28/5/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Graphic Log	Sampling & In Situ Testing: Type	Depth	Sample	Results & Comments	Water	Dynamic Penetrometer Test (blows per mm) 5 10 15 20
16		FILLING: grey crushed sandstone with some sandstone cobbles (imported sandstone tunnel spoil)							
				A*	0.9 1.0				
15	1								1
	1.3	SAND: light grey sand		A	1.4 1.5				
14	2	2.0m: trace of dark brown and red indurated sand							2
		2.4m: becoming yellow mottled orange		A	2.4 2.5				
	2.6	Pit discontinued at 2.6m - test pit collapse							
13	3								3
12	4								4

RIG: 3t excavator with 450 mm bucket

LOGGED: CL

SURVEY DATUM: MGA94

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BD2/20180528

☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING: 333597
NORTHING: 6247715
DIP/AZIMUTH: 90°/--

BORE No: BH301
PROJECT No: 85608.14
DATE: 3/7/2018
SHEET 1 OF 1

RL	Depth (m)		Description of Strata	Degree of Weathering EW HW MW SW FS FR	Graphic Log	Rock Strength Ex Low, Very Low, Low, Medium, High, Very High, Ex High	Water	Fracture Spacing (m) 0.01, 0.05, 0.10, 0.50, 1.00	Discontinuities B - Bedding J - Joint S - Shear F - Fault	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
			FILLING: brown, sand filling with fine to medium igneous gravel.										
	1									A			PID = 2 ppm K<2.1ppm
		1.3	FILLING: orange-brown, sand filling with trace fine to medium igneous gravel.										
		1.6	SAND: very loose, light yellow sand.										
	2									A			PID = 2 ppm K<2.1ppm
	3									S			3,1,1 N = 2 PID = 2 ppm K<2.1ppm
			3.80m: becoming brown and moist										
	4	4.0	SAND: loose, light brown, sand with trace clay.							S*			6,3,1 N = 4 PID = 3 ppm K<2.1ppm
		4.8	CLAY: very stiff, grey clay.										
	5												
	6									S			8,13,20 N = 33 PID < 1 ppm K<2.1ppm
	7												
	8									S			9,16,11 N = 27 PID < 1 ppm K<2.1ppm
		8.5	Bore discontinued at 8.5m - Target depth reached										
	9												

RIG: Geo305 **DRILLER:** LC **LOGGED:** CL **CASING:** Uncased
TYPE OF BORING: Solid flight auger to 8.5m
WATER OBSERVATIONS: No free groundwater observed
REMARKS: *BD1/20180703 taken from 4.0 to 4.45m; K: Kitigawa Gas Detector Tube PCS; Approximate easting & northing only

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING: 333579
NORTHING: 6247739
DIP/AZIMUTH: 90°/--

BORE No: WLBH302
PROJECT No: 85608.14
DATE: 20/7/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering EW HW MW SW FS FR	Graphic Log	Rock Strength Ex Low, Very Low, Low, Medium, High, Very High, Ex High	Water	Fracture Spacing (m) 0.01 0.05 0.10 0.50 1.00	Discontinuities B - Bedding J - Joint S - Shear F - Fault	Type	Core Rec. %	RQD %	Test Results & Comments
		FILLING: dark brown sand filling with fine to medium sandstone gravel, trace of fine brick gravel										
1									A			PID < 1ppm K<2.1ppm
2	2.0	SAND: loose, light brown sand							S			2,3,4 N = 7 PID < 1ppm K<2.1ppm
3		3.0m: becoming moist							S*			4,5,5 N = 10 PID < 1ppm K<2.1ppm
4		4.0m: medium dense							S			3,7,10 N = 17 PID < 1ppm K<2.1ppm
5	5.3	SANDY CLAY: firm, brown sandy clay							S			1,1,3 N = 4 PID < 1ppm K<2.1ppm
6									S			2,2,4 N = 6 PID < 1ppm K<2.1ppm
	6.2	CLAY: very stiff to hard, grey mottled red clay with ironstone gravel										
7									S			4,9,13 N = 22 PID < 1ppm K<2.1ppm
8									S			9,14,25/100 refusal PID < 1ppm K<2.1ppm
9	9.0	SHALY CLAY: hard, grey shaly clay							S			12,39,25/50 refusal PID < 1ppm K<2.1ppm
	9.5	Bore discontinued at 9.5m Practical refusal										

RIG: Geo 305 **DRILLER:** LC **LOGGED:** CL **CASING:** Uncased

TYPE OF BORING: Solid flight auger to 9.5m

WATER OBSERVATIONS: No free ground water observed whilst augering

REMARKS: *BD1/20180720 taken from 3.0 to 3.45m; K: Kitigawa Gas Detector Tube PCS; Approximate easting & northing only

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING: 333583
NORTHING: 6247723
DIP/AZIMUTH: 90°/--

BORE No: WLBH303
PROJECT No: 85608.14
DATE: 21/7/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering EW HW MW SW FS FR	Graphic Log	Rock Strength Ex Low, Very Low, Low, Medium, High, Very High, Ex High	Water	Fracture Spacing (m) 0.01 0.05 0.10 0.50 1.00	Discontinuities B - Bedding J - Joint S - Shear F - Fault	Type	Core Rec. %	RQD %	Test Results & Comments
		FILLING: dark brown silty sand filling with fine to medium sandstone gravel										
	1								A			PID < 1ppm K<2.1ppm
	2								A			PID < 1ppm K<2.1ppm
	2.2	SAND: light brown sand										
	3	3.0m: medium dense							S			4,8,8 N = 16 PID < 1ppm K<2.1ppm
	4	4.0m: becoming moist							S			6,10,7 N = 17 PID < 1ppm K<2.1ppm
	5											
	5.5	SANDY CLAY: firm, red-brown mottled grey sandy clay							S			0,2,3 N = 5 PID < 1ppm K<2.1ppm
	6								S			0,3,4 N = 7 PID < 1ppm K<2.1ppm
	6.5	CLAY: stiff to very stiff, red-grey clay with ironstone gravel										
	7								S			7,9,10 N = 19 PID < 1ppm K<2.1ppm
	8 8.0	SHALY CLAY: hard, grey shaly clay							S			9,13,25/100 refusal PID < 1ppm K<2.1ppm
	8.8	Bore discontinued at 8.8m Practical refusal										
	9											

RIG: Geo 305 **DRILLER:** LC **LOGGED:** CL **CASING:** Uncased

TYPE OF BORING: Solid flight auger to 8.8m

WATER OBSERVATIONS: No free ground water observed whilst augering

REMARKS: K: Kitigawa Gas Detector Tube PCS; Approximate easting & northing only

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING: 333581
NORTHING: 6247731
DIP/AZIMUTH: 90°/--

BORE No: WLBH304
PROJECT No: 85608.14
DATE: 20/7/2018
SHEET 1 OF 2

Depth (m)	Description of Strata	Sampling Type	Test Results & Comments
	FILLING: dark brown silty sand filling with fine to medium sandstone gravel		
		A	PID < 1ppm K<2.1ppm
		A	PID < 1ppm K<2.1ppm
2.3	SAND: light brown sand		
		A	PID < 1ppm K<2.1ppm
	4.0m: medium dense, light grey, moist	S	5,4,7 N = 11 PID < 1ppm K<2.1ppm
		S	2,3,3 N = 6 PID < 1ppm K<2.1ppm
5.7	CLAY: firm to stiff, light grey mottled red clay		
	7.0m: trace of ironstone gravel		
		S	2,5,8 N = 13 PID < 1ppm K<2.1ppm
	8.5m: hard	S	10,21,25 N = 46
		C	
9.7	SHALY CLAY: hard, grey mottled red shaly clay		

RIG: Geo 305 **DRILLER:** LC **LOGGED:** CL **CASING:** HW to 5.5m

TYPE OF BORING: Solid flight auger to 9.0m, NMLC-coring to 19.0m

WATER OBSERVATIONS: No free ground water observed whilst augering

REMARKS: K: Kitigawa Gas Detector Tube PCS; Approximate easting & northing only

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING: 333581
NORTHING: 6247731
DIP/AZIMUTH: 90°/--

BORE No: WLBH304
PROJECT No: 85608.14
DATE: 20/7/2018
SHEET 2 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low, Very Low, Low, Medium, High, Very High, Ex High)	Water	Fracture Spacing (m) (0.01 0.05 0.10 0.50 1.00)	Discontinuities (B - Bedding J - Joint S - Shear F - Fault)	Type	Core Rec. %	RQD %	Test Results & Comments
		SHALY CLAY: hard, grey mottled red shaly clay *(continued)*							C			
	11 11.0	SHALE: grey shale							C			
	12								C			
	13								C			
	14								C			
	15								C			
	16											
	17								C			
	17.8	SANDSTONE: light grey sandstone							C			
	18											
	19 19.0	Bore discontinued at 19.0m Target depth reached										

RIG: Geo 305 **DRILLER:** LC **LOGGED:** CL **CASING:** HW to 5.5m

TYPE OF BORING: Solid flight auger to 9.0m, NMLC-coring to 19.0m

WATER OBSERVATIONS: No free ground water observed whilst augering

REMARKS: K: Kitigawa Gas Detector Tube PCS; Approximate easting & northing only

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING: 333569
NORTHING: 6247768
DIP/AZIMUTH: 90°/--

BORE No: WLBH305
PROJECT No: 85608.14
DATE: 21/7/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering EW HW MW SW FS FR	Graphic Log	Rock Strength Ex Low, Very Low, Low, Medium, High, Very High, Ex High	Water	Fracture Spacing (m) 0.01 0.05 0.10 0.50 1.00	Discontinuities B - Bedding J - Joint S - Shear F - Fault	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
		FILLING: dark brown silty sand filling with fine to medium sandstone gravel, hydrocarbon odour		▨								
	1								A			PID < 1ppm K<2.1ppm
	2								A			PID < 1ppm K<2.1ppm
	2.5	SAND: loose to medium dense, light brown sand		░								
	3								A			PID < 1ppm K<2.1ppm
	4								S			6,12,15 N = 27 PID < 1ppm K<2.1ppm
	5								S			3,2,2 N = 4 PID < 1ppm K<2.1ppm
	5.5	CLAY: firm to stiff, red mottled orange clay		▧								
	6								S			0,2,6 N = 8 PID < 1ppm K<2.1ppm
	6.5	Bore discontinued at 6.5m Target depth reached										
	7											
	8											
	9											

RIG: Geo 305 **DRILLER:** LC **LOGGED:** CL **CASING:** Uncased
TYPE OF BORING: Solid flight auger to 6.5m
WATER OBSERVATIONS: No free ground water observed whilst augering
REMARKS: K: Kitigawa Gas Detector Tube PCS; Approximate easting & northing only

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo
SURFACE LEVEL: 15.9 AHD
EASTING: 333597
NORTHING: 6247752
DIP/AZIMUTH: 90°/--
BORE No: BH306
PROJECT No: 85608.14
DATE: 3/7/2018
SHEET 1 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering EW HW MW SW FS FR	Graphic Log	Rock Strength Ex Low, Very Low, Low, Medium, High, Very High, Ex High	Water	Fracture Spacing (m) 0.01 0.05 0.10 0.50 1.00	Discontinuities B - Bedding J - Joint S - Shear F - Fault	Type	Core Rec. %	RQD %	Test Results & Comments
		FILLING: dark brown, sand filling with fine to medium igneous gravel and trace bricks.										
15	1								A			PID = 2 ppm K<2.1ppm
14	2											
	2.0	SAND: loose to medium dense, light yellow sand.							S			4,4,6 N = 10 PID = 4 ppm K<2.1ppm
13	3											
									S			4,9,9 N = 18 PID = 2 ppm K<2.1ppm
12	4											
									S			4,2,2 N = 4 PID = 2 ppm K<2.1ppm
11	5											
	5.4	CLAY: very stiff, orange-brown clay.										
									S			5,9,15 N = 24 PID = 2 ppm K<2.1ppm
10	6											
9	7								S			6,11,19 N = 30 PID < 1 ppm K<2.1ppm
8	8											
	8.3	SHALY CLAY: hard, grey and orange-brown shaly clay.										
									S			13,22,27 N = 49 PID < 1 ppm K<2.1ppm
7	9											
	9.1	SHALE: grey shale.										
6												

RIG: Geo305 **DRILLER:** LC **LOGGED:** CL **CASING:** HW from 7.0m
TYPE OF BORING: Solid flight auger to 8.0m
WATER OBSERVATIONS: No free groundwater observed
REMARKS: Survey information provided by JHCPBGJV; K: Kitigawa Gas Detector Tube PCS

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT:	John Holland CPB Ghella JV	**SURFACE LEVEL:**	15.9 AHD	**BORE No:**	BH306
PROJECT:	Tunnel and Station Excavation Works Package	**EASTING:**	333597	**PROJECT No:**	85608.14
LOCATION:	Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:**	6247752	**DATE:**	3/7/2018
		DIP/AZIMUTH:	90°/--	**SHEET**	2 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering EW HW MW SW FS FR	Graphic Log	Rock Strength Ex Low, Very Low, Low, Medium, High, Very High, Ex High	Water	Fracture Spacing (m) 0.01 0.05 0.10 0.50 1.00	Discontinuities B - Bedding J - Joint S - Shear F - Fault	Type	Core Rec. %	RQD %	Test Results & Comments
		SHALE: grey shale. *(continued)*							S			30,25/80 refusal
	10.5	Bore discontinued at 10.5m - Target depth reached										
5	11											
4	12											
3	13											
2	14											
1	15											
0	16											
-1	17											
-2	18											
-3	19											
-4												

RIG: Geo305 **DRILLER:** LC **LOGGED:** CL **CASING:** HW from 7.0m

TYPE OF BORING: Solid flight auger to 8.0m

WATER OBSERVATIONS: No free groundwater observed

REMARKS: Survey information provided by JHCPBGJV; K: Kitigawa Gas Detector Tube PCS

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING: 333590
NORTHING: 6247718
DIP/AZIMUTH: 90°/--

BORE No: WLBH307
PROJECT No: 85608.14
DATE: 23/7/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Sampling Type	Core Rec. %	RQD %	Test Results & Comments
		FILLING: brown silty sand filling with fine to medium igneous gravel				
	1		A			PID < 1ppm K<2.1ppm
	1.6	SAND: yellow sand				
	2		A			PID < 1ppm K<2.1ppm
		2.8m: becoming moist				
	3		A			PID < 1ppm K<2.1ppm
	3.5	CLAY: firm to stiff, grey mottled red clay				
	4		S			0,1,4 N = 5 PID < 1ppm K<2.1ppm
	5					
		5.5m: very stiff to hard	S			6,12,16 N = 28 PID < 1ppm K<2.1ppm
	6					
	7		S			9,19,30 N = 49 PID < 1ppm K<2.1ppm
	8					
			S			10,19,25/90 refusal PID < 1ppm K<2.1ppm
	9.0	Bore discontinued at 9.0m Practical refusal				

Degree of Weathering: EW HW MW SW FS FR

Rock Strength: Ex Low, Very Low, Low, Medium, High, Very High, Ex High

Fracture Spacing (m): 0.01 0.05 0.10 0.50 1.00

Discontinuities: B - Bedding J - Joint S - Shear F - Fault

RIG: Geo 305 **DRILLER:** LC **LOGGED:** CL **CASING:** Uncased

TYPE OF BORING: Solid flight auger to 9.0m

WATER OBSERVATIONS: No free ground water observed whilst augering

REMARKS: K: Kitigawa Gas Detector Tube PCS; Approximate easting & northing only

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16.1 AHD
EASTING: 333588
NORTHING: 6247768
DIP/AZIMUTH: 90°/--

BORE No: BH308
PROJECT No: 85608.14
DATE: 4/7/2018
SHEET 1 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low, Very Low, Low, Medium, High, Very High, Ex High)	Water	Fracture Spacing (m) (0.01, 0.05, 0.10, 0.50, 1.00)	Discontinuities (B - Bedding, J - Joint, S - Shear, F - Fault)	Type	Core Rec. %	RQD %	Test Results & Comments
16		FILLING: dark brown, sand filling with fine to medium igneous gravel.		☒								
15	1								A			PID = 215 ppm K<2.1ppm
	1.3	FILLING: brown, sand filling (possible natural).		☒								
14	2								A			PID = 3 ppm K<2.1ppm
	2.3	SAND: loose to medium dense, white sand.		⁘								
13	3	3.0m: becoming dark brown							A			PID = 3 ppm K<2.1ppm
12	4								S			4,5,10 N = 15 PID = 3 ppm K<2.1ppm
11	5											
	5.7	CLAY: stiff to very stiff, grey clay		▨					S			3,4,8 N = 12 PID < 1 ppm K<2.1ppm
10	6											
9	7								S			6,12,18 N = 30 PID < 1 ppm K<2.1ppm
8	8								S			9,13,22 N = 35 PID < 1 ppm K<2.1ppm
7	9											
									S			20,25/120

RIG: Geo305 **DRILLER:** LC **LOGGED:** CL **CASING:** Uncased

TYPE OF BORING: Solid flight auger to 10.1m

WATER OBSERVATIONS: No free groundwater observed

REMARKS: Survey information provided by JHCPBGJV; K: Kitigawa Gas Detector Tube PCS

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 16.1 AHD
EASTING: 333588
NORTHING: 6247768
DIP/AZIMUTH: 90°/--

BORE No: BH308
PROJECT No: 85608.14
DATE: 4/7/2018
SHEET 2 OF 2

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low, Very Low, Low, Medium, High, Very High, Ex High)	Water	Fracture Spacing (m) (0.01 0.05 0.10 0.50 1.00)	Discontinuities (B - Bedding J - Joint S - Shear F - Fault)	Type	Core Rec. %	RQD %	Test Results & Comments
6	10.1	Bore discontinued at 10.1m - Target depth reached										refusal
5	11											
4	12											
3	13											
2	14											
1	15											
0	16											
-1	17											
-2	18											
-3	19											

RIG: Geo305 **DRILLER:** LC **LOGGED:** CL **CASING:** Uncased
TYPE OF BORING: Solid flight auger to 10.1m
WATER OBSERVATIONS: No free groundwater observed
REMARKS: Survey information provided by JHCPBGJV; K: Kitigawa Gas Detector Tube PCS

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT:	John Holland CPB Ghella JV	**SURFACE LEVEL:** --	**BORE No:** BH309
PROJECT:	Tunnel and Station Excavation Works Package	**EASTING:** 333513	**PROJECT No:** 85608.14
LOCATION:	Sydney Metro City & South West, Cope Street, Waterloo	**NORTHING:** 6247802	**DATE:** 4/7/2018
		DIP/AZIMUTH: 90°/--	**SHEET** 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering EW HW MW SW FS FR	Graphic Log	Rock Strength Ex Low, Very Low, Low, Medium, High, Very High, Ex High	Water	Fracture Spacing (m) 0.01 0.05 0.10 0.50 1.00	Discontinuities B - Bedding J - Joint S - Shear F - Fault	Sampling & In Situ Testing: Type	Core Rec. %	RQD %	Test Results & Comments
		FILLING: dark brown, sand filling with fine to medium igneous gravel and cobbles and trace of shale.		▩								
	1			▩					A			PID < 1 ppm K<2.1ppm
	1.3	FILLING: brown, sand filling (possible natural).		▩								
	2			▩					A			PID < 1 ppm K<2.1ppm
	2.3	SAND: loose to medium dense, white sand.		░								
	3			░					A			PID < 1 ppm K<2.1ppm
	4	4.00m: becoming moist		░					S*			3,7,9 N = 16 PID < 1 ppm K<2.1ppm
	5			░								
				░					S			2,2,1 N = 3 PID < 1 ppm K<2.1ppm
		5.80m: becoming yellow		░								
	6 6.0	CLAY: stiff, grey clay.		▨								
	7			▨					S			3,6,10 N = 16 PID < 1 ppm K<2.1ppm
	8			▨								
				▨					S			6,7,5 N = 12 PID < 1 ppm K<2.1ppm
	9 9.0	Bore discontinued at 9.0m - Target depth reached										

RIG: Geo305 **DRILLER:** LC **LOGGED:** CL **CASING:**

TYPE OF BORING: Solid flight auger to 9.0m

WATER OBSERVATIONS: No free groundwater observed

REMARKS: *BD1/20180704 taken from 4.0 to 4.45m; K: Kitigawa Gas Detector Tube PCS; Approximate easting & northing only

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: --
EASTING: 333409
NORTHING: 6247688
DIP/AZIMUTH: 90°/--

BORE No: BH310
PROJECT No: 85608.14
DATE: 3/7/2018
SHEET 1 OF 1

RL	Depth (m)	Description of Strata	Degree of Weathering (EW HW MW SW FS FR)	Graphic Log	Rock Strength (Ex Low, Very Low, Low, Medium, High, Very High, Ex High)	Water	Fracture Spacing (m) (0.01 0.05 0.10 0.50 1.00)	Discontinuities (B - Bedding J - Joint S - Shear F - Fault)	Type	Core Rec. %	RQD %	Test Results & Comments
		FILLING: brown, clayey sand filling with fine to medium igneous gravel and cobbles.							A			
	1.4	FILLING: brown, crushed sandstone filling with trace fine to medium igneous gravel.							A A			
	3.0	CONCRETE										
	3.1	Bore discontinued at 3.1m - Practical refusal on concrete (slab/footing?)										

RIG: Geo305 **DRILLER:** LC **LOGGED:** CL **CASING:** Uncased

TYPE OF BORING: Solid flight auger to 3.1m

WATER OBSERVATIONS: No free groundwater observed

REMARKS: K: Kitigawa Gas Detector Tube PCS; Approximate easting & northing only

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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BOREHOLE LOG

CLIENT: John Holland CPB Ghella JV
PROJECT: Tunnel and Station Excavation Works Package
LOCATION: Sydney Metro City & South West, Cope Street, Waterloo

SURFACE LEVEL: 15.2 AHD
EASTING: 33361
NORTHING: 6247689
DIP/AZIMUTH: 90°/--

BORE No: BH310A
PROJECT No: 85608.14
DATE: 3/7/2018
SHEET 1 OF 1

Depth (m)	Description of Strata	Sampling Type	Test Results & Comments
0.0	FILLING: brown, clayey sand filling with fine to medium igneous gravel and cobbles.	A	PID = 2 ppm K<2.1ppm
1.3	FILLING: light brown, crushed sandstone filling with some fine to medium igneous gravel.	A	PID = 2 ppm K<2.1ppm
		A	PID = 9 ppm K<2.1ppm
3.0	SAND: light brown sand, moist.		
4.0	CLAY: stiff to hard, light grey clay.	S	3,5,5 N = 10 PID = 220 ppm K<2.1ppm
		S	12,22,25 N = 47 PID = 190 ppm K<2.1ppm
6.0	Bore discontinued at 6.0m - Target depth reached		

RIG: Geo305 **DRILLER:** LC **LOGGED:** CL **CASING:** Uncased
TYPE OF BORING: Solid flight auger to 6.0m
WATER OBSERVATIONS: Free groundwater observed at 3.0m
REMARKS: Survey information provided by JHCPBGJV; K: Kitigawa Gas Detector Tube PCS

SAMPLING & IN SITU TESTING LEGEND

A	Auger sample	G	Gas sample	PID	Photo ionisation detector (ppm)
B	Bulk sample	P	Piston sample	PL(A)	Point load axial test Is(50) (MPa)
BLK	Block sample	U_x	Tube sample (x mm dia.)	PL(D)	Point load diametral test Is(50) (MPa)
C	Core drilling	W	Water sample	pp	Pocket penetrometer (kPa)
D	Disturbed sample	▷	Water seep	S	Standard penetration test
E	Environmental sample	▼	Water level	V	Shear vane (kPa)

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Table B1: Summary of Groundwater Field Parameters

Sample ID	Date	Observed Well Depth	Groundwater level		Approx. Sampling Depth	Field Parameters					PSH Recorded	Other Signs of Concern
			Prior to development/ sampling	Post development/ sampling		Temperature	Dissolved Oxygen	Electrical Conductivity	pH	REDOX		
		m bgl[1]	m bgl[1]	m bgl[1]	m bgl[1]	˚C	mg/L	µS/cm	pH units	mV		
Well Development												
WLMW03	8/12/17	6.7	3.4								No	
WLMW04	8/12/17	7	3.4								No	
WLMW05	8/12/17	5.7	3.4								No	
WLMW06	8/12/17	6	3.7								No	
WLMW101	16/03/18	11.63	3.08	9.35							No	
WLMW102	16/03/18	10.2	3.65	9.3							No	
WLMW102A	16/03/18	5.56	3.38	4.4							No	
WLMW103	16/03/18	9.97	4.28	9.7							No	
WLMW104	21/02/18	8.9	7	8.8							No	
WLMW104A	21/02/18	4	3	4							No	
WLMW105	3/03/18	6	4	6.2							No	
WLMW106	16/05/18	10.15	4.3	9							No	
WLMW106A	16/05/18	5.5	3.5	4							No	
Sampling												
December 2017												
WLMW04	19/12/17	7	3.4	3.5	5	23.2	1.08	438	6.68	108	No	
WLMW05	19/12/17	5.8	3.28		4.5	22.3	0.48	337	6.51	94	No	
WLMW06	21/12/17				5							
March 2018												
WLMW101	22/03/18	10.02	3.32		9.5	21.1	0.23	672	6	-5	No	
WLMW102	22/03/18	10.1	3.8	7	9.9	20.7	0.45	548	6.25	-39	No	
WLMW102A	22/03/18	4.4	3.4	4	4.3						No	
WLMW103	22/03/18	10.1	3.7		9.8	20.5	0.18	1220	6.31	-97	No	
WLMW104	22/03/18	8.9	3.33	6.8	8.7	20.6	0.29	570	6.27	4	No	
WLMW104A	22/03/18	4	3	4	3.8	21.8	3.86	336	6.54	33	No	
WLMW105	20/03/18	5.9	3.12	4.36	5.7	24	0.5	707	4.93	9	No	
May 2018												
WLMW101	22/05/18	10.74	3.91	4.1	10.5	22.7	2.58	320	6.68	65	No	Hydrocarbon odour
WLMW102	22/05/18	9.85	5	6.15	9.7	22.6	2.05	18 ?	6.85	33	No	
WLMW102A	22/05/18	5.38	3.36	3.48	5.1	22.4	1.54	324	5.65	62	No	
WLMW104	22/05/18	8.98	3.62	5.34	8.7	21.4	2.23	422	5.84	29	No	Slight hydrocarbon odour
WLMW106A	22/05/18	5.65	3.98	4.2	6.3	21.9	2.84	264	6.55	71	No	
July 2018												
WLMW102A	11/07/18	5.34	3.24	4	5	19.3	5.18	324	8.96	190	No	
WLMW104	12/07/18	8.9	3.6	6.5	7	19	3.51	445	6.14	219	No	
WLMW105	11/07/18	4	0.91	2.12	3.5	17	3.83	383	5.89	204	No	
WLMW106A	19/07/18	6	4.12	4.2	5	22	7.81	268	6.59	69	No	Slight sulphur odour

Notes

1 metres below ground level at the time of sampling

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_2 d_1^2/4 - \pi h_2 d_2^2/4)$

Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WL MW02
Project Name:	S40 Metro
Project Number:	85608
Site Location:	Waterloo
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	3.4 - m bgl
Well Depth:	7 m bgl
Screened Interval:	2-7 m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	8-12-17 1320
Purged By:	MH
GW Level (pre-purge):	3.4 m bgl
GW Level (post-purge):	m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	6.7 m bgl
Estimated Bore Volume:	25 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry) 3 × 25 = 75 (80)
Equipment:	Super twister
Micropurge and Sampling Details	
Date/Time:	
Sampled By:	
Weather Conditions:	
GW Level (pre-purge):	m bgl
GW Level (post sample):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	L
Equipment:	

[illegible]

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	**0.1 °C**	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	
Sample ID:	
QA/QC Samples:	
Sampling Containers and filtration:	
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_2 d_2^2/4 + n(\pi h_1 d_1^2/4 - \pi h_2 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WL MW04
Project Name:	540 Metrol
Project Number:	85608.
Site Location:	
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	3.40 - m bgl
Well Depth:	7 m bgl
Screened Interval:	2-7 m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	8-12-17
Purged By:	MA
GW Level (pre-purge):	3.4 m bgl
GW Level (post-purge):	m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	7 m bgl
Estimated Bore Volume:	25 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry) 3 - 80L.
Equipment:	Super twister
Micropurge and Sampling Details	
Date/Time:	19/12/17
Sampled By:	CB
Weather Conditions:	overcast humid
GW Level (pre-purge):	3.40 m bgl
GW Level (post sample):	3.50 m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	7.0 m bgl
Estimated Bore Volume:	25 L
Total Volume Purged:	4-5 L
Equipment:	Peri pump, interface, WQM

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC ([✓ µS] or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	**0.1° C**	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
8.40	23.3	1.89	456	6.68		113
8.41	23.3	1.38	466	6.69		112
8.42	23.2	1.27	462	6.69		111
8.43	23.2	1.08	438	6.68		108
8.44						
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	5.0 m bgl, mid col
Sample Appearance (e.g. colour, siltiness, odour):	straw colour
Sample ID:	WL MW 04
QA/QC Samples:	BD1/20171219
Sampling Containers and filtration:	
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_2 d_1^2/4 - \pi h_2 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WL MW 05
Project Name:	MSWD Metro
Project Number:	85608
Site Location:	Waterloo
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	3.4 - m bgl
Well Depth:	6 m bgl
Screened Interval:	2 - 6 m bgl
Contaminants/Comments:	- silty
Bore Development Details	
Date/Time:	8.12.17
Purged By:	MM
GW Level (pre-purge):	3.4 m bgl
GW Level (post-purge):	4.70 m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	5.7 m bgl 5.9
Estimated Bore Volume:	16 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry) 90 - ran dry
Equipment:	Super twister
Micropurge and Sampling Details	
Date/Time:	19/12/17
Sampled By:	OB
Weather Conditions:	overcast humid
GW Level (pre-purge):	3.28 m bgl
GW Level (post sample):	m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	5.80 m bgl
Estimated Bore Volume:	18.14 L
Total Volume Purged:	L
Equipment:	

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	***0.1° C***	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
10:05	22.7	2.21	391	6.55		97
10:06	22.6	0.80	356	6.53		95
10:07	22.5	0.56	342	6.52		96
10:08	22.4	0.50	339	6.51		93
10:09	22.3	0.48	337	6.51		94
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	cloudy
Sample ID:	WLMW05
QA/QC Samples:	-
Sampling Containers and filtration:	1x 500ml amber, 2x 125ml plastic, 3x vials 1x 45 [illegible] & [illegible]
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_2 d_1^2/4 - \pi h_2 d_2^2/4)$

Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WL MW 06
Project Name:	S10 Metro
Project Number:	
Site Location:	
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	- m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	
Purged By:	
GW Level (pre-purge):	3.7 m bgl
GW Level (post-purge):	m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	6 m bgl
Estimated Bore Volume:	17 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry) 60
Equipment:	Super twister
Micropurge and Sampling Details	
Date/Time:	
Sampled By:	
Weather Conditions:	
GW Level (pre-purge):	m bgl
GW Level (post sample):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	L
Equipment:	

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	**0.1 °C**	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	
Sample ID:	
QA/QC Samples:	
Sampling Containers and filtration:	
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_2 d_1^2/4 - \pi h_2 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WLMW104
Project Name:	SYDNEY METRO TCIJ
Project Number:	85608.104
Site Location:	Waterloo.
Bore GPS Co-ord:	
Installation Date:	20.2.18
GW Level (during drilling):	7.0 - m bgl
Well Depth:	8.0 m bgl
Screened Interval:	7.1-8.8 m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	21.2.18
Purged By:	MH
GW Level (pre-purge):	~7 m bgl
GW Level (post-purge):	~8.8. m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	8.7 m bgl
Estimated Bore Volume:	20 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry) Purge with Dench.
Equipment:	Super twister
Micropurge and Sampling Details	
Date/Time:	
Sampled By:	
Weather Conditions:	
GW Level (pre-purge):	m bgl
GW Level (post sample):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	L
Equipment:	

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	**0.1° C**	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	
Sample ID:	
QA/QC Samples:	
Sampling Containers and filtration:	
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_2 d_1^2/4 - \pi h_2 d_2^2/4)$

Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WLMW1O4A
Project Name:	SYDNEY METRO TSE
Project Number:	85605.13
Site Location:	Waterloo.
Bore GPS Co-ord:	
Installation Date:	20.2.18
GW Level (during drilling):	2.9 - m bgl
Well Depth:	4.0 m bgl
Screened Interval:	3.0-4.0 m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	21.2.18
Purged By:	MH
GW Level (pre-purge):	~3 m bgl
GW Level (post-purge):	~4.0 m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	4.0 m bgl
Estimated Bore Volume:	15 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry) 25L. Vacuum Purge.
Equipment:	Super twister.
Micropurge and Sampling Details	
Date/Time:	
Sampled By:	
Weather Conditions:	
GW Level (pre-purge):	m bgl
GW Level (post sample):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	L
Equipment:	

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	**0.1°C**	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	
Sample ID:	
QA/QC Samples:	
Sampling Containers and filtration:	
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_2 d_1^2/4 - \pi h_2 d_2^2/4)$

Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WLMW105
Project Name:	SYDNEY METRO TSC
Project Number:	85374.16
Site Location:	Waterloo
Bore GPS Co-ord:	
Installation Date:	2.3.18
GW Level (during drilling):	5.6 - m bgl
Well Depth:	6.0 m bgl
Screened Interval:	5.0-6.0 m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	3.3.18
Purged By:	MM
GW Level (pre-purge):	~4.0 m bgl
GW Level (post-purge):	~6.2. m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	6.0 m bgl
Estimated Bore Volume:	15 L
Total Volume Purged:	(target: [✓ no drill mud] min 3 well vol. or dry) / 25 - 70 L. (inc. Demin Purge)
Equipment:	SUPER TWISTER
Micropurge and Sampling Details	
Date/Time:	
Sampled By:	
Weather Conditions:	
GW Level (pre-purge):	m bgl
GW Level (post sample):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	L
Equipment:	

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	***0.1° C***	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	
Sample ID:	
QA/QC Samples:	
Sampling Containers and filtration:	
Comments / Observations:	

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Groundwater Field Sheet

Project and Bore Installation Details	
Bore / Standpipe ID:	WL MW101
Project Name:	Sydney Metro City and South West, TSE Works Package
Project Number:	85608.14
Site Location:	Botany Road and Cope Street, Waterloo
Bore Easting/ Northing	
Installation Date:	
GW Level (during drilling):	m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	VOC

Bore Volume = casing volume + filter pack volume

$= \pi h_1 d_1^2/4 + n(\pi h_2 d_2^2/4 - \pi h_2 d_1^2/4)$

Where: $\pi = 3.14$

n = porosity (0.3 for most filter pack material)

h_1 = height of water column

d_2 = diameter of annulus

h_2 = length of filter pack

d_1 = diameter of casing

Bore Vol Normally: 7.2*h

Bore Development Details	
Date/Time:	14/3/18 10:50 am
Purged By:	CL
GW Level (pre-purge):	3.08 m bgl
GW Level (post-purge):	9.25 m bgl Recovery Monitored? Y / N
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	11.62 m bgl
Estimated Bore Volume:	0 L
Total Volume Purged:	L – still dry
Equipment, decontamination:	
Appearance/Comments:	ground level to top of standpipe ~ 0.65m

Micropurge and Sampling Details	
Date/Time:	22.03.18
Sampled By:	MM
Weather Conditions:	overcast + windy
GW Level (pre-purge):	4.0 – 0.68 m bgl
GW Level (post sample):	m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	10.7 – 0.68 m bgl ≈ 10.02
Estimated Bore Volume:	70 mL
Total Volume Purged:	L
Equipment, decontamination:	As per WLMW104 (22.03.18)

Water Quality Parameters (ensure readings INDEPENDENT)

Time	Volume (L)	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Redox (mV)
Stabilisation Criteria (3 readings)		-	+/- 0.3 mg/L	+/- 3%	+/- 0.1	+/- 10 mV
15:27	1	21.6	0.37	569	6.01	-10
15:29	2	21.1	0.23	672	6.00	-5
BATTERY FAILURE AT 1530 – connected to charge						
15:34	6					
BATTERY FAILURE AT 1534						
15:36	7					
BATTERY FAILURE AT 1536						
Additional Readings Following stabilisation:		DO % Sat	SPC (µS or mS/cm)	TDS		

Sample Details	
Sampling Depth (rationale):	9.5 m bgl, base of well, target DNAPL
Sample Appearance (e.g.	light grey / Brown silty.
Sample ID:	WLMW101
Replicate Samples:	–
Sampling containers, preservatives, filtration:	2 x AMBER, 3 x VOC
Comments / Observations:	SHIT EQUIPMENT. SHIT RESULTS.

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Groundwater Field Sheet

Project and Bore Installation Details	
Bore / Standpipe ID:	WL MW102
Project Name:	Sydney Metro City and South West, TSE Works Package
Project Number:	85608.14
Site Location:	Botany Road and Cope Street, Waterloo
Bore Easting/ Northing	
Installation Date:	
GW Level (during drilling):	m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	VOC

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_2 d_1^2/4 - \pi h_2 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Bore Development Details	
Date/Time:	16/3/18 9:45am
Purged By:	Cl
GW Level (pre-purge):	2.65 m bgl
GW Level (post-purge):	9.30 m bgl Recovery Monitored? Y / N
PSH observed:	Yes / [✓ No] ([✓ interface] / visual). Thickness if observed:
Observed Well Depth:	10.20 m bgl
Estimated Bore Volume:	40.60 L
Total Volume Purged:	L ~ till dry
Equipment, decontamination:	twister pump
Appearance/Comments:	Ground level to top of casing = 0.12m
Micropurge and Sampling Details,	
Date/Time:	22.03.18 1532.
Sampled By:	MU
Weather Conditions:	Cloudy / overcast. slight wind.
GW Level (pre-purge):	~~[illegible]~~ m bgl ~~[illegible]~~ 3.8
GW Level (post sample):	8.7 m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	10.1 m bgl
Estimated Bore Volume:	45 L
Total Volume Purged:	7 L
Equipment, decontamination:	As per 104.

Water Quality Parameters (ensure readings INDEPENDENT)

Time	Volume (L)	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Redox (mV)
Stabilisation Criteria (3 readings)		-	+/- 0.3 mg/L	+/- 3%	+/- 0.1	+/- 10 mV
1420	1	21.1	0.6	549	6.22	-42
1424	2	20.8	0.46	546	6.26	-43
1426	3.5	20.7	0.43	548	6.25	-39
Additional Readings Following stabilisation:		DO % Sat	SPC (µS or mS/cm)	TDS		

Sample Details	
Sampling Depth (rationale):	9.9 m bgl, base of well, target DNAPL
Sample Appearance (e.g.	Very Silty
Sample ID:	WL MW102
Replicate Samples:	/
Sampling containers, preservatives, filtration:	2x VOC, 2x Amber.
Comments / Observations:	Pump out of gas. lost O-ring. mesh filter clogged. (3x)

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Groundwater Field Sheet

Project and Bore Installation Details

Bore / Standpipe ID:	WL MW102A
Project Name:	Sydney Metro City and South West, TSE Works Package
Project Number:	85608.14
Site Location:	Botany Road and Cope Street, Waterloo
Bore Easting/ Northing	
Installation Date:	
GW Level (during drilling):	m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	VOC

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_2 d_1^2/4 - \pi h_2 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Bore Development Details

Date/Time:	16/3/18 10:25 am
Purged By:	CL
GW Level (pre-purge):	3.38 m bgl
GW Level (post-purge):	4.40 m bgl Recovery Monitored? Y / N
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	5.56 m bgl
Estimated Bore Volume:	15.70 L
Total Volume Purged:	L ~ till dry
Equipment, decontamination:	twister pump
Appearance/Comments:	Ground level to top of twister pump ~ 0.1 m

Micropurge and Sampling Details

Date/Time:	22.03.18 – 1445
Sampled By:	MN
Weather Conditions:	Cloudy & windy. Warm generally pleasant.
GW Level (pre-purge):	3.41 m bgl
GW Level (post sample):	4.0 m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	4.4 m bgl
Estimated Bore Volume:	7.20 L
Total Volume Purged:	3 L
Equipment, decontamination:	As per WLMW109 (22.03.18)

Water Quality Parameters (ensure readings INDEPENDENT)

Time	Volume (L)	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Redox (mV)
Stabilisation Criteria (3 readings)		-	+/- 0.3 mg/L	+/- 3%	+/- 0.1	+/- 10 mV
1450	0.5					
~~1459~~	~~0.~~					
1453	0.5					
Additional Readings Following stabilisation:		DO % Sat	SPC (µS or mS/cm)	TDS		

Sample Details

Sampling Depth (rationale):	4.3 m bgl, base of well, target DNAPL
Sample Appearance (e.g.	Dark Brown silt
Sample ID:	WLMW102A
Replicate Samples:	/
Sampling containers, preservatives, filtration:	2x VOC, 3x AMBER.
Comments / Observations:	Insufficient water to run pump for parameters.

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Groundwater Field Sheet

Project and Bore Installation Details

Bore / Standpipe ID:	WL MW/103
Project Name:	Sydney Metro City and South West, TSE Works Package
Project Number:	85608.14
Site Location:	Botany Road and Cope Street, Waterloo
Bore Easting/ Northing	
Installation Date:	
GW Level (during drilling):	m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	VOC

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_1 d_1^2/4 + \pi h_2 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Bore Development Details

Date/Time:	16/3/18 8:30 am
Purged By:	CL
GW Level (pre-purge):	4.28 m bgl
GW Level (post-purge):	9.70 m bgl Recovery Monitored? Y / N
PSH observed:	Yes / [✓ No] ([✓ interface] / visual). Thickness if observed:
Observed Well Depth:	9.97 m bgl
Estimated Bore Volume:	4/ 0 L
Total Volume Purged:	L ~ till dry
Equipment, decontamination:	thruster pump
Appearance/Comments:	odour ground level to top of the sandpipe = 0.3m

Micropurge and Sampling Details

Date/Time:	22.3.18 1250
Sampled By:	MH
Weather Conditions:	overcast, windy
GW Level (pre-purge):	5.7. m bgl
GW Level (post sample):	m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	10.1 m bgl
Estimated Bore Volume:	32. ~~0~~ L
Total Volume Purged:	L
Equipment, decontamination:	Bladder Pump, TPS, Solinst interface meter, as per MW104

Water Quality Parameters (ensure readings INDEPENDENT)

Time	Volume (L)	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Redox (mV)
Stabilisation Criteria (3 readings)		-	+/- 0.3 mg/L	+/- 3%	+/- 0.1	+/- 10 mV
12:57	1.0	21.5	0.61	1104	6.4	-71
13:02	2.5	20.9	0.41	1139	6.39	-81
13:07	4.0	20.5	0.18	1220	6.31	-97
Additional Readings Following stabilisation:		DO % Sat	SPC (µS or mS/cm)	TDS		

Sample Details

Sampling Depth (rationale):	9.8 m bgl, [✓ base of well, target DNAPL]
Sample Appearance (e.g.	Silty Brown
Sample ID:	WL MW 103
Replicate Samples:	/
Sampling containers, preservatives, filtration:	2x amber, 3x VOC.
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 - n(\pi h_1 d_1^2/4 - \pi h_1 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WLMW104
Project Name:	SYDNEY METRO TCLS
Project Number:	85608.184
Site Location:	Waterloo.
Bore GPS Co-ord:	
Installation Date:	20.2.18
GW Level (during drilling):	7.0 - m bgl
Well Depth:	8.8 m bgl
Screened Interval:	7.8-8.8 m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	21.2.18
Purged By:	MM
GW Level (pre-purge):	NT m bgl
GW Level (post-purge):	~8.8. m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	8.7 m bgl
Estimated Bore Volume:	20 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry) Purge with Devin.
Equipment:	Super twister
Micropurge and Sampling Details	
Date/Time:	1100 22.3.18
Sampled By:	MM
Weather Conditions:	Cloudy, early rain, Breeze.
GW Level (pre-purge):	3.33 m bgl
GW Level (post sample):	6.8 m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	8.9. m bgl
Estimated Bore Volume:	40 L
Total Volume Purged:	10 L
Equipment:	bladder pump, flow cell, interface meter, TPS (QSP6P5G) (SOL122-9) (90FLMV.SW.02042)

Water Quality Parameters

Time / Volume (L)	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	**0.1° C**	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
~~1107 · [illegible] 0.3~~	~~21.3~~	~~4.11~~	TPS	FAILURE	DUE TO	BATTERY
1120 / 0.3	20.9	0.62	615	6.25		9
1125 1.5	20.2	0.32	583	6.26		5.
1127 2.5	20.6	0.29	570	6.27		4
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	8.7 m bgl, DNAPLS.
Sample Appearance (e.g. colour, siltiness, odour):	Silty
Sample ID:	WLMW104
QA/QC Samples:	/
Sampling Containers and filtration:	2 x Amber, 3 x VOC VIALS
Comments / Observations:	SLOW PUMP RATE TO BEGIN. LOTS OF FIDDLING WITH THE PUMP SETTINGS

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 - n(\pi h_1 d_1^2/4 - \pi h_1 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WLMW FO4A
Project Name:	SYDNEY METRO TSE
Project Number:	85603.13
Site Location:	Waterloo.
Bore GPS Co-ord:	
Installation Date:	20.2.18
GW Level (during drilling):	2.8 - m bgl
Well Depth:	4.0 m bgl
Screened Interval:	3.0-4.0 m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	21.2.18
Purged By:	MH
GW Level (pre-purge):	~3 m bgl
GW Level (post-purge):	~4.0 m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	4.0 m bgl
Estimated Bore Volume:	15 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry) 25L. Drain Purge.
Equipment:	Super twister.
Micropurge and Sampling Details	
Date/Time:	22.03.18 11:45
Sampled By:	MH.
Weather Conditions:	Cloudy, windy, warm.
GW Level (pre-purge):	3 m bgl
GW Level (post sample):	4 m bgl (DRY)
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	4 m bgl
Estimated Bore Volume:	7. L
Total Volume Purged:	6.5 L
Equipment:	

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	0.1° C	+/- 0.3 mg/L	+/- 3%	+/- 0.1	+/- 10%	+/- 10 mV
~~11:47~~						
11:51 / 1L	22.1	3.91	365	6.46		22
11:54 / 2.5L	21.9	3.67	358	6.42		31
11:59 / 3.5.	21.8	3.86	351	6.54		33
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	3.8 m bgl, DNAPLs
Sample Appearance (e.g. colour, siltiness, odour):	Silty, decreasingly silty after 0.5L.
Sample ID:	WLMW104
QA/QC Samples:	/
Sampling Containers and filtration:	~~[illegible]~~ 2x Amber, 3x VOC vial.
Comments / Observations:	Tube de-attaching from flow cell.

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_2 d_1^2/4 - \pi h_2 d_2^2/4)$

Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WLMW105
Project Name:	SYDNEY METRO TSE
Project Number:	85374.16
Site Location:	Waterloo
Bore GPS Co-ord:	
Installation Date:	2.3.18
GW Level (during drilling):	~~3~~ 5.6 - m bgl
Well Depth:	6.0 m bgl
Screened Interval:	5.0-6.0 m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	3.3.18
Purged By:	MM
GW Level (pre-purge):	~4.0 m bgl
GW Level (post-purge):	~6.2 m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	6.0 m bgl
Estimated Bore Volume:	15 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry) / 25-70 L. (inc. Demin Purge)
Equipment:	SUPER TWISTER
Micropurge and Sampling Details	
Date/Time:	20/3/18. 16:11 pm
Sampled By:	CL
Weather Conditions:	
GW Level (pre-purge):	3.12 m bgl
GW Level (post sample):	4.36 m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	5.90 m bgl
Estimated Bore Volume:	L
Total Volume Purged:	L
Equipment:	

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	**0.1 °C**	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
16:43	25.6	1.14	712	5.00		12
16:44	25.2	0.90	709	4.99		11
16:45	25.0	0.78	709	4.97		10
16:46	24.6	0.65	706	4.96		10
16:47	24.0	0.50	707	4.93		9
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	
Sample ID:	
QA/QC Samples:	BD1/20180320
Sampling Containers and filtration:	
Comments / Observations:	

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RENTALS

Equipment Certification Report – TPS 90FLMV Water Quality Meter

This Water Quality Meter has been performance checked and calibrated as follows:

Sensor	Concentration	Span 1	Span 2	Traceability Lot #	Pass?
pH	pH 7.00 / pH 4.00	7.00 pH	4.00 pH	300765/312725	☑
Conductivity	12.88mS/cm	0.0 mS/cm	12.88 mS/cm	312392	☑
TDS	36 ppk	0.0 ppk	36.0 ppk	316655	☑
Dissolved Oxygen	Sodium Sulphite / Air	0.00 ppm in Sodium Sulphite	8.52 ppm Saturation in Air	5656(SS) 306207(DI)	☑

Check only

Redox (ORP) *	Electrode operability test	240mV +/- 10%	233 mV	311901 (A) 311902 (B)	☑

* This meter uses an Ag/AgCl ORP electrode. To convert readings to SHE (Standard Hydrogen Electrode), add 199mV to the mV reading.

☑ Battery Status 8.1V (min 7.2V)

☑ Electrical Safety Tag attached (AS/NZS 3760)

Tag No: 000425

Valid to: 09/06/2018

☑ Temperature 23.6 °C

☑ Electrodes Cleaned and checked

Date: 19/03/2018

Signed:

Please check that the following items are received and that all items are cleaned and decontaminated before return. A minimum $30 cleaning / service / repair charge may be applied to any unclean or damaged items. Items not returned will be billed for at the full replacement cost.

Sent	Returned	Item
☑	☐	90FLMV Unit. Ops check/Battery status: 8.1V
☑	☐	pH sensor with wetting cap, 5m
☑	☐	Conductivity/TDS/Temperature K=10 sensor, 5m
☑	☐	Dissolved oxygen YSI5739 sensor with wetting cap, 5m
☑	☐	Redox (ORP) sensor with wetting cap, 5m
☑	☐	Power supply 240V to 12V DC 200mA
☑	☐	Instruction Manual
☑	☐	Quick Guide
☑	☐	Syringe with storage solution for pH and ORP sensors
☑	☐	Carry Case
☑	☐	Check to confirm electrical safety (tag must be valid)

Date: 19/03/2018

Signed:

TFS Reference	CS008523	Return Date:	/ /
Customer Reference		Return Time:	
Equipment ID	90FLMV SW	Condition on return:	
Equipment Serial No.	UR042		

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_1 d_1^2/4 - \pi h_2 d_2^2/4)$

Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Project and Bore Installation Details

Bore / Standpipe ID:	WLMW106A
Project Name:	SYD- METRO TSE
Project Number:	85608.14
Site Location:	Waterloo
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	- m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	-

Bore Development Details

Date/Time:	16/5/18 13:20 pm
Purged By:	CL
GW Level (pre-purge):	3.5 m bgl
GW Level (post-purge):	4.0 m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	5.5 m bgl
Estimated Bore Volume:	14.4 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or [✓ dry]) till dry
Equipment:	twister pump, interface meter

Micropurge and Sampling Details

Date/Time:	22/5/18 9:50 am
Sampled By:	CL
Weather Conditions:	Sunny
GW Level (pre-purge):	3.98 m bgl
GW Level (post sample):	4.2 m bgl
PSH observed:	Yes / [✓ No] ([✓ interface] / visual). Thickness if observed:
Observed Well Depth:	5.5 m bgl stick up = 0.85m.
Estimated Bore Volume:	11.16 L
Total Volume Purged:	1.58 L
Equipment:	Geosub pump, TPS meter, interface meter

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC ([✓ µS] or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	***0.1° C***	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
10:35 am	20.9	4.61	267	6.19	2.2	94
10:36	21.2	3.42	272	6.36	2.1	93
10:37	21.4	3.19	273	6.42	2.0	90
10:38	21.6	3.03	268	6.50	2.0	80
10:39	21.8	2.89	265	6.53	1.8	77
10:40	21.9	2.84	264	6.55	1.5	71
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	No odour
Sample ID:	WLMW106A
QA/QC Samples:	BD1/20180522. ; BD2/20180522 (triplicate)
Sampling Containers and filtration:	2x Amber, 4x VOl, 3x plastic
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume

$$= \pi h_1 d_2^2/4 + n(\pi h_1 d_1^2/4 - \pi h_2 d_2^2/4)$$

Where: $\pi = 3.14$

n = porosity (0.3 for most filter pack material)

h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Project and Bore Installation Details

Bore / Standpipe ID:	WLMW106
Project Name:	STD - METRO - TSE
Project Number:	85608.14
Site Location:	Waterloo
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	- m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	-

Bore Development Details

Date/Time:	16/5/18 12:20 pm
Purged By:	CL
GW Level (pre-purge):	4.3 m bgl
GW Level (post-purge):	9.0 m bgl
PSH observed:	Yes / [✓ No] ([✓ interface] / visual). Thickness if observed:
Observed Well Depth:	10.15 m bgl
Estimated Bore Volume:	42.1 L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or [✓ dry]) till dry
Equipment:	twister pump, interface meter

Micropurge and Sampling Details

Date/Time:	
Sampled By:	
Weather Conditions:	
GW Level (pre-purge):	m bgl
GW Level (post sample):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	L
Equipment:	

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	**0.1 °C**	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	
Sample ID:	
QA/QC Samples:	
Sampling Containers and filtration:	
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_1 d_1^2/4 - \pi h_2 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WL MW102
Project Name:	SYD METRO TSE
Project Number:	85608.14
Site Location:	Waterloo
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	- m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	
Purged By:	
GW Level (pre-purge):	m bgl
GW Level (post-purge):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry)
Equipment:	
Micropurge and Sampling Details	
Date/Time:	22/5/18 16:00 pm.
Sampled By:	CL
Weather Conditions:	Sunny
GW Level (pre-purge):	[illegible] 5.0 m bgl
GW Level (post sample):	6.15 m bgl
PSH observed:	Yes / [✓ No] ([✓ interface] / visual). Thickness if observed:
Observed Well Depth:	9.85 m bgl
Estimated Bore Volume:	34.9 L
Total Volume Purged:	8.28 L
Equipment:	Geosub pump, TPS meter, Interface meter

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC ([✓ µS] or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	**0.1° C**	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
16:23 pm.	22.1	4.18	10.8	8.19	1.6	48
16:24 pm	22.2	2.51	19.1	7.58	1.6	37
16:25	22.4	2.04	18.9	6.90	1.7	31
16:26	22.6	2.05	18.0	6.85	1.7	33
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	light brown silty, No odour
Sample ID:	
QA/QC Samples:	
Sampling Containers and filtration:	2 x Amber, 4 x Vol, 3 x plastic,
Comments / Observations:	

Rev March 2012

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_1 d_1^2/4 - \pi h_2 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WLMW102A
Project Name:	SYD METRO TSE
Project Number:	85608.14
Site Location:	Waterloo
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	- m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	
Purged By:	
GW Level (pre-purge):	m bgl
GW Level (post-purge):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry)
Equipment:	
Micropurge and Sampling Details	
Date/Time:	22/5/18 12:50 am
Sampled By:	CL
Weather Conditions:	Sunny
GW Level (pre-purge):	3.36 m bgl
GW Level (post sample):	3.48 m bgl
PSH observed:	Yes / [✓ No] ([✓ interface] / visual). Thickness if observed:
Observed Well Depth:	5.38 m bgl
Estimated Bore Volume:	14.5 L
Total Volume Purged:	0.94 L
Equipment:	Geosub pump, Interface meter, TPS meter

Water Quality Parameters

Time / Volume	Temp (°C)	DO (~~mg/L~~ ppm.)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	***0.1° C***	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
12:59	22.5	3.69	194.2	8.3	1.4	95
12:00	22.4	2.64	213	6.23	1.4	69
13:01	22.4	2.12	218	5.85	1.5	66
13:02	22.4	1.84	221	5.75	1.7	65
13:03	22.4	1.67	222	5.70	1.7	64
13:04	22.4	1.54	324	5.65	1.9	62
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	NO odour
Sample ID:	
QA/QC Samples:	
Sampling Containers and filtration:	2 x Amber 4 x VOL 3 x plastic
Comments / Observations:	Geosub pump needs to be fixed ...

Rev March 2012

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume

$= \pi h_1 d_2^2/4 + n(\pi h_1 d_1^2/4 - \pi h_2 d_2^2/4)$

Where: $\pi = 3.14$

n = porosity (0.3 for most filter pack material)

h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Project and Bore Installation Details

Bore / Standpipe ID:	WLMW101
Project Name:	SYD METRO TSE
Project Number:	85608.14
Site Location:	Waterloo
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	- m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	-

Bore Development Details

Date/Time:	
Purged By:	
GW Level (pre-purge):	m bgl
GW Level (post-purge):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry)
Equipment:	

Micropurge and Sampling Details

Date/Time:	22/5/18 15:00 pm.
Sampled By:	CL
Weather Conditions:	Sunny
GW Level (pre-purge):	3.91 m bgl
GW Level (post sample):	4.10 m bgl
PSH observed:	Yes / [✓ No] ([✓ interface] / visual). Thickness if observed:
Observed Well Depth:	10.74 m bgl Stick up: 1.45m.
Estimated Bore Volume:	49 L
Total Volume Purged:	1.4 L
Equipment:	Geosub pump. TPS meter. interface meter

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC ([✓ µS] or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	***0.1° C***	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
15:10 pm	22.6	3.19	264	7.03	1.4	85
15:11	22.7	2.85	332	6.89	1.4	73
15:12	22.7	2.64	325	6.74	1.3	69
15:13	22.7	2.58	320	6.68	1.3	65
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	hydrocarbon odour
Sample ID:	
QA/QC Samples:	
Sampling Containers and filtration:	2 x Amber 4 x Vol 3 x plastic
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_1 d_1^2/4 - \pi h_2 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Project and Bore Installation Details	
Bore / Standpipe ID:	WLMW 104
Project Name:	SYD METRO TSE
Project Number:	85608.14
Site Location:	Waterloo
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	- m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	
Purged By:	
GW Level (pre-purge):	m bgl
GW Level (post-purge):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry)
Equipment:	
Micropurge and Sampling Details	
Date/Time:	22/5/18. 11:40am
Sampled By:	CL
Weather Conditions:	Sunny
GW Level (pre-purge):	3.62 m bgl
GW Level (post sample):	5.34 m bgl
PSH observed:	Yes / [✓ No] ([✓ interface] / visual). Thickness if observed:
Observed Well Depth:	8.98 m bgl
Estimated Bore Volume:	38.5 L
Total Volume Purged:	12.4 L
Equipment:	Geosub pump, interface meter, TPS meter

Water Quality Parameters

Time / Volume	Temp (°C)	DO (mg/L)	EC ([✓ µS] or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)	***0.1° C***	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
11:47	21.4	2.67	430	6.62	1.9	35
11:48	21.4	2.50	429	6.07	1.7	22
11:49	21.4	2.33	426	5.90	1.8	31
11:50	21.4	2.23	422	5.84	1.8	29
Additional Readings Following stabilisation:	DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	m bgl,
Sample Appearance (e.g. colour, siltiness, odour):	Slightly hydrocarbon odour
Sample ID:	
QA/QC Samples:	
Sampling Containers and filtration:	2x Amber; 4x VOl, 3x plastic
Comments / Observations:	

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Groundwater Field Sheet

Project and Bore Installation Details

Bore / Standpipe ID:	WLMW102A
Project Name:	Sydney Metro City and South West, TSE Works Package
Project Number:	85608.14
Site Location:	Botany Road and Cope Street, Waterloo
Bore Easting/ Northing	
Installation Date:	
GW Level (during drilling):	m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	VOC

Bore Volume = casing volume + filter pack volume

$= \pi h_1 d_2^2/4 + n(\pi h_1 d_1^2/4 - \pi h_2 d_2^2/4)$

Where: $\pi = 3.14$

n = porosity (0.3 for most filter pack material)

h_1 = height of water column

d_1 = diameter of annulus

h_2 = length of filter pack

d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Bore Development Details

Date/Time:	
Purged By:	
GW Level (pre-purge):	m bgl
GW Level (post-purge):	m bgl Recovery Monitored? Y / N
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	0 L
Total Volume Purged:	L
Equipment, decontamination:	
Appearance/Comments:	

Micropurge and Sampling Details

Date/Time:	11/7/18 11:40 am
Sampled By:	CL
Weather Conditions:	Sunny
GW Level (pre-purge):	3.24 m bgl
GW Level (post sample):	4.0 m bgl
PSH observed:	Yes / [✓ No] ([✓ interface] / visual). Thickness if observed:
Observed Well Depth:	5.34 m bgl
Estimated Bore Volume:	15.10 L
Total Volume Purged:	5.5 L
Equipment, decontamination:	Geosub pump, TPS meters, Interface meter

Water Quality Parameters (ensure readings INDEPENDENT)

Time	Volume (L)	Temp (°C)	DO (mg/L)	EC ([✓ µS] or mS/cm)	pH	Redox (mV)
Stabilisation Criteria (3 readings)		-	+/- 0.3 mg/L	+/- 3%	+/- 0.1	+/- 10 mV
11:55		19.5	5.65	330	8.13	208
11:56		19.3	5.45	327	8.62	201
11:57		19.3	5.38	325	8.73	198
11:58		19.3	5.24	325	8.91	195
11:59		19.3	5.18	324	8.96	190
Additional Readings Following stabilisation:		DO % Sat	SPC (µS or mS/cm)	TDS		

Sample Details

Sampling Depth (rationale):	5.0m bgl, base of well, target DNAPL
Sample Appearance (e.g.	No odour, high turbidity
Sample ID:	WLMW102A
Replicate Samples:	BD1/20180711
Sampling containers, preservatives, filtration:	2x Amber ; 4x Vol , 4 x plastic
Comments / Observations:	

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Groundwater Field Sheet

Project and Bore Installation Details	
Bore / Standpipe ID:	WLMW104
Project Name:	Sydney Metro City and South West, TSE Works Package
Project Number:	85608.14
Site Location:	Botany Road and Cope Street, Waterloo
Bore Easting/ Northing	
Installation Date:	
GW Level (during drilling):	m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	VOC
Bore Development Details	
Date/Time:	
Purged By:	
GW Level (pre-purge):	m bgl
GW Level (post-purge):	m bgl Recovery Monitored? Y / N
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	0 L
Total Volume Purged:	L
Equipment, decontamination:	
Appearance/Comments:	

Bore Volume = casing volume + filter pack volume

$= \pi h_1 d_2^2/4 + n(\pi h_1 d_1^2/4 - \pi h_2 d_2^2/4)$

Where: $\pi = 3.14$

n = porosity (0.3 for most filter pack material)

h_1 = height of water column

d_1 = diameter of annulus

h_2 = length of filter pack

d_2 = diameter of casing

Bore Vol Normally: 7.2*h

Micropurge and Sampling Details	
Date/Time:	12/7/18 9:30am.
Sampled By:	CL
Weather Conditions:	Sunny
GW Level (pre-purge):	3.6 m bgl
GW Level (post sample):	6.50 m bgl
PSH observed:	Yes / [✓ No] ([✓ interface] / visual). Thickness if observed:
Observed Well Depth:	8.9 m bgl
Estimated Bore Volume:	38.10 L
Total Volume Purged:	2' L
Equipment, decontamination:	Geopump pump, TPS meter, Interface meter

Water Quality Parameters (ensure readings INDEPENDENT)

Time	Volume (L)	Temp (°C)	DO (mg/L)	EC ([✓ µS] or mS/cm)	pH	Redox (mV)
Stabilisation Criteria (3 readings)		-	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10 mV**
10:13 am		16.8	3.27	456	6.14	233
10:14		18.1	3.46	449	6.14	229
10:15		18.6	3.44	448	6.14	226
10:16		18.8	3.31	447	6.14	222
10:17		19.0	3.51	446	6.14	219
Additional Readings Following stabilisation:		DO % Sat	SPC (µS or mS/cm)	TDS		

Sample Details	
Sampling Depth (rationale):	7.0 m bgl, base of well, target DNAPL
Sample Appearance (e.g.	N/A
Sample ID:	WLMW104
Replicate Samples:	N/A
Sampling containers, preservatives, filtration:	2x Amber, 4x vol. 4x plastic
Comments / Observations:	

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Groundwater Field Sheet

Project and Bore Installation Details	
Bore / Standpipe ID:	WL-MW105
Project Name:	Sydney Metro City and South West, TSE Works Package
Project Number:	85608.14
Site Location:	Botany Road and Cope Street, Waterloo
Bore Easting/ Northing	
Installation Date:	
GW Level (during drilling):	m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	VOC

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_2^2/4 + n(\pi h_1 d_1^2/4 - \pi h_1 d_2^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_1 = diameter of annulus
h_2 = length of filter pack
d_2 = diameter of casing
Bore Vol Normally: 7.2*h

Bore Development Details	
Date/Time:	
Purged By:	
GW Level (pre-purge):	m bgl
GW Level (post-purge):	m bgl Recovery Monitored? Y / N
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	0 L
Total Volume Purged:	L
Equipment, decontamination:	
Appearance/Comments:	
Micropurge and Sampling Details	
Date/Time:	11/7/18 12:50 pm.
Sampled By:	G.L
Weather Conditions:	Sunny
GW Level (pre-purge):	0.91 m bgl
GW Level (post sample):	2.12 m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	4.0 m bgl Stick up: 0.34m.
Estimated Bore Volume:	22 ~~0~~ L
Total Volume Purged:	8.7 L
Equipment, decontamination:	Geosub pump. Interface meter, TPS meter

Water Quality Parameters (ensure readings INDEPENDENT)

Time	Volume (L)	Temp (°C)	DO (mg/L)	EC ([✓ µS] or mS/cm)	pH	Redox (mV)
Stabilisation Criteria (3 readings)		-	+/- 0.3 mg/L	+/- 3%	+/- 0.1	+/- 10 mV
14:13		17.6	4.19	376	6.02	206
14:14		17.3	4.14	379	5.94	205
14:15		17.1	4.06	382	5.91	204
14:16		17.0	3.90	384	5.90	204
14:17		17.0	3.83	383	5.89	204
Additional Readings Following stabilisation:		DO % Sat	SPC (µS or mS/cm)	TDS		

Sample Details	
Sampling Depth (rationale):	m bgl, [✓ base of well], target DNAPL
Sample Appearance (e.g.	
Sample ID:	WLMW105
Replicate Samples:	N/A
Sampling containers, preservatives, filtration:	2x Amber, 4x vol, 4 plastic
Comments / Observations:	

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Groundwater Field Sheet

Bore Volume = casing volume + filter pack volume
$= \pi h_1 d_1^2/4 + n(\pi h_1 d_2^2/4 - \pi h_2 d_1^2/4)$
Where: $\pi = 3.14$
n = porosity (0.3 for most filter pack material)
h_1 = height of water column
d_2 = diameter of annulus
h_2 = length of filter pack
d_1 = diameter of casing
Bore Vol Normally: 7.2"h

Project and Bore Installation Details	
Bore / Standpipe ID:	WLM 106A
Project Name:	Metro TGE - Waterloo
Project Number:	85608.14
Site Location:	Botany Rd - waterloo
Bore GPS Co-ord:	
Installation Date:	
GW Level (during drilling):	- m bgl
Well Depth:	m bgl
Screened Interval:	m bgl
Contaminants/Comments:	-
Bore Development Details	
Date/Time:	
Purged By:	
GW Level (pre-purge):	m bgl
GW Level (post-purge):	m bgl
PSH observed:	Yes / No (interface / visual). Thickness if observed:
Observed Well Depth:	m bgl
Estimated Bore Volume:	L
Total Volume Purged:	(target: no drill mud, min 3 well vol. or dry)
Equipment:	
Micropurge and Sampling Details	
Date/Time:	19.7.18 14:20
Sampled By:	JG
Weather Conditions:	Clear.
GW Level (pre-purge):	4.12 m bgl
GW Level (post sample):	4.20 m bgl
PSH observed:	Yes / [✓ No] (interface / visual). Thickness if observed:
Observed Well Depth:	6.0 m bgl
Estimated Bore Volume:	13.5 L
Total Volume Purged:	15 L
Equipment:	Geopump peristaltic pump, TPS meter, Interface meter.

Water Quality Parameters

Time / Volume		Temp (°C)	DO (mg/L)	EC (µS or mS/cm)	pH	Turbidity	Redox (mV)
Stabilisation Criteria (3 readings)		**0.1° C**	**+/- 0.3 mg/L**	**+/- 3%**	**+/- 0.1**	**+/- 10%**	**+/- 10 mV**
14:20	1	20.5	4.51	260	6.23	2.9	102
14:22	3	21.4	2.97	257	6.37	2.4	98
14:24	5	21.7	2.94	264	6.44	2.2	94
14:26	7	21.8	2.91	267	6.49	2.0	87
14:28	9	21.9	2.84	259	6.53	1.8	82
14:30	11	21.9	2.83	263	6.57	1.6	74
14:32	13	22.0	2.79	269	6.58	1.5	71
14:34	15	22.0	2.81	268	6.59	1.4	69
Additional Readings Following stabilisation:		DO % Sat	SPC	TDS			

Sample Details

Sampling Depth (rationale):	5.0 m bgl, Middle of water column
Sample Appearance (e.g. colour, siltiness, odour):	Clear, slight sulfur odour.
Sample ID:	WLMW 106A
QA/QC Samples:	BD2/20180719
Sampling Containers and filtration:	2 x HCl vials, 1 x HNO3 plastic, 1 x 500 mL amber, 1 x 500 mL plastic, 1 x H2SO4 x 2. 45µm filter.
Comments / Observations:	

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	22 March 2018 1pm
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW101**	Weather:	overcast 21.5°C 63% humidity
Sample Depth:	9 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	6 March 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	18 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	2.4		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/-5 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/-15 mmHg sample train	Pass/Fail	Pass
Leak Test			

Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 380 ppm In Sample Line: 2.4 ppm (after applying IPA
Pass/Fail			

* Not applicable for isopropyl alcohol tracer (lab tested)

O_2 20.8 CO_2 - 0
Bal 79.2
H_2S ~0
CH_4 ~0
Co ~0

Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	22 March 2018 12:15 pm
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW102**	Weather:	partly cloudy. 22°C 59% humidity
Sample Depth:	9 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	5 February 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	18 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	0.0		

Pre-Start QA Tests

Shut In Test

Vacuum Applied (mmHg):	-30 mmHg Canister/-15 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/-15 mmHg sample train	Pass/Fail	PASS

Leak Test

			350
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 600 ppm In Sample Line: 0.0 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

O_2 -20.2
CO - 0
CO_2 0
H_2S -0
Bal - 79.7

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	22 March 2018 11:30 am
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW102A**	Weather:	overcast 22°c 54% humidity
Sample Depth:	5 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	5 February 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	10 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	1.7		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/-15 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/-15 mmHg sample train	Pass/Fail	
Leak Test			
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 350 ppm In Sample Line: ~~350~~ 1.7 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

CH_4 - 0
CO_2 - 0,1
CO - 0
H_2S - 0
Bal - 79.5
O_2 - 20.4

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	22 March 2018 10:45am
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW103**	Weather:	overcast 22°C 61% humidity
Sample Depth:	10 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	21 February 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	20 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	0.1		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/- -15 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/- -15 mmHg sample train	Pass/Fail	PASS
Leak Test			350
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: ~~0.4~~ ppm In Sample Line: 0.1 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

CH_4 0
O_2 20.9
CO ~~0.0~~ 0
CO_2 -0.1
Bal -79

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	22 March 2018 10 am
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW104**	Weather:	overcast 21°C 60% humidity
Sample Depth:	8 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	19 February 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	16 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA			

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-35 mmHg Canister/-75 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/-15 mmHg sample train	Pass/Fail	PASS

Leak Test			
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 350 ppm In Sample Line: 0.1 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

O_2 - 16.1
CO_2 0.2
CO -
H_2S - 0
Ha CH_4 - 0
Bal - 83.7

Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	22 March 2018 9:40am
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW104A** /BD1220318	Weather:	overcast 21°c 60% humidity
Sample Depth:	3 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	6 March 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	6 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	0.4 ppm		

Pre-Start QA Tests

Shut In Test

Vacuum Applied (mmHg):	-30 mmHg Canister/-30 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-15 mmHg Canister/-15mmHg sample train	Pass/Fail	PASS

Leak Test

Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 300 ppm In Sample Line: 0.1 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

CH_4	0
CO_2	0.1 %
[illegible]	0ppm
O_2	20.7
Bal	79.1.

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	22 March 2018 9:15am
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW105**	Weather:	overcast, scattered showers 20°C, 65% humidity
Sample Depth:	4 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	6 March 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	8 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	0.5		

Pre-Start QA Tests

Shut In Test

Vacuum Applied (mmHg):	-30 mmHg Canister/-30 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-15 mmHg Canister/-15 mmHg sample train	Pass/Fail	PASS

Leak Test

Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 300 ppm In Sample Line: 0.6 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

GA5000 Readings
O_2 – 17.4%
CO_2 – 16.2%
CO – 0 ppm
CH_4 – 0%
Bal – 65.4

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Sample Record (Carbon and Thermal Desorption Tubes)

Sample ID	Tube ID	Sample Time (min)	Flow (L/min)	Volume (L)	Vacuum (in.Hg)	Analysis Required	Comments
WLMW101	7221407574	5	0.1	0.5	-0.19	HOLD	
MLMW102	7221407582	5	0.1	0.5	-0.13	HOLD	
MLMW012A	7221407578	5	0.1	0.5	-0.30	HOLD	
MLMW103	7221407579	5	0.1	0.5	-0.30	HOLD	
MLMW104	7221407580	5	0.1	0.5	-0.15	HOLD	
MLMW104A	7221407576	5	0.1	0.5	-0.17	HOLD	
MLMW105	7221407575	5	0.1	0.5	-0.18	HOLD	
104A BD1 220318	7221407573	5	0.1	0.5	-0.15	HOLD	
Shroud	7221407572	0.5	0.1	0.05	0	IPA	

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Sample Record – Summa Canister

Sample ID	Canister ID	Regulator ID	Regulator Flow Rate (ml/min)	Start Pressure (mmHg)	Final Pressure (mmHg)	Sampling Duration (min)	Analysis Required	Comments/ Weather
WLMW101	2267	1538	100	-30	-6	10	T015 & oxygen, hydrogen, carbon monoxide, methane and helium	overcast
MLMW102	3308	632	100	-30	-6	10		"
MLMW012A	3545	1560	100	-30	-6	10		
MLMW103	2259	493	100	-30	-6	10 .		" "
MLMW104	2559	492	100	-30	-6	10		overcast.
MLMW104A	2265	1865	100	-30	-6	10		overcast.
MLMW105	2286	1878	100ml/min	-30	-6	10.		overcast,
104A – BD1 220318	3641	1885	100	-30	-6	10		overcast

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CALIBRATION RECORD

Project: Metro (Waterloo
Project Number: 85608.14

Calibrated Equipment

Model: Minirae Lite
Serial No.: 595-002573
DP Reference: D103
Other: 10.6eV Lamp

Calibration

Date(s): 21-3-18
Operator(s): KP
Zero Gas: ambient air
Span Gas: isobutylene
Span Gas Concentration: 100
Response Factor: 1.0
Pre-calibration Reading 101
Post-calibration Reading 100

Approved: KP
Date: 24-3

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	23.5
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW101**	Weather:	19°C, S10 km/h, 54% humidity, 1024 mB
Sample Depth:	9 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	6 March 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	18 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	1.0		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/- -15 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/- -15 mmHg sample train	Pass/Fail	PASS
Leak Test			
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 374 ppm In Sample Line: 1.0 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	23.5
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW102**	Weather:	Sunny, 19°c 10km/h S, 54%, 1024 mb
Sample Depth:	9 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	5 February 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	18 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	0.3		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/- -15 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/- -15 mmHg sample train	Pass/Fail	PASS
Leak Test			

Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 384 ppm In Sample Line: 0.3 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	23.5
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW102A**	Weather:	Sunny, 19°C, 10km/h S, 54%, 1024 mB
Sample Depth:	5 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	5 February 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	10 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	1.0		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/-15mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/-15mmHg sample train	Pass/Fail	PASS
Leak Test			
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 386 ppm In Sample Line: 1.0 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW103**	Weather:	
Sample Depth:	10 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	21 February 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	20 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA			

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	mmHg Canister/- mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	mmHg Canister/- mmHg sample train	Pass/Fail	
Leak Test			

Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: ppm In Sample Line: ppm (after applying IPA
Pass/Fail			

* Not applicable for isopropyl alcohol tracer (lab tested)

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	23.5
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW104**	Weather:	Sunny, 19°C, 510km/h, 54% 1024.7MB
Sample Depth:	8 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	19 February 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	16 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	0.5		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/-15mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/-5mmHg sample train	Pass/Fail	PASS

Leak Test			
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 382 ppm In Sample Line: 65 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW104A**	Weather:	
Sample Depth:	3 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	6 March 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	6 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA			

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	mmHg Canister/- mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	mmHg Canister/- mmHg sample train	Pass/Fail	
Leak Test			

Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: ppm In Sample Line: ppm (after applying IPA
Pass/Fail			

* Not applicable for isopropyl alcohol tracer (lab tested)

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW105**	Weather:	
Sample Depth:	4 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	6 March 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	8 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA			

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	mmHg Canister/- mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	mmHg Canister/- mmHg sample train	Pass/Fail	
Leak Test			
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: ppm In Sample Line: ppm (after applying IPA
Pass/Fail			

* Not applicable for isopropyl alcohol tracer (lab tested)

Job Details

Site Name:	Waterloo	Sampling Date:	23-5-18
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	MLWL 106 A	Weather:	Sunny. 14°C S10 km/h 54%. hum 1024.7 MB
Sample Depth:	~~4~~ m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	~~6 March 2018~~	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	8 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	1 ppm		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/- -15 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/- -15 mmHg sample train	Pass/Fail	PASS
Leak Test			
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 394 ppm In Sample Line: 1 ppm ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

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Job Details

Site Name:	Waterloo	Sampling Date:	
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:		Weather:	
Sample Depth:	4 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	6 March 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	8 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA			

Pre-Start QA Tests

Shut In Test				
Vacuum Applied (mmHg):	mmHg Canister/-	mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	mmHg Canister/-	mmHg sample train	Pass/Fail	
Leak Test				

Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: ppm In Sample Line: ppm (after applying IPA
Pass/Fail			

* Not applicable for isopropyl alcohol tracer (lab tested)

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Job Details

Site Name:	Waterloo	Sampling Date:	
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:		Weather:	
Sample Depth:	4 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	6 March 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	8 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA			

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	mmHg Canister/- mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	mmHg Canister/- mmHg sample train	Pass/Fail	
Leak Test			

Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: ppm In Sample Line: ppm (after applying IPA
Pass/Fail			

* Not applicable for isopropyl alcohol tracer (lab tested)

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Sample Record – Summa Canister

Sample ID	Canister ID	Regulator ID	Regulator Flow Rate (ml/min)	Start Pressure (mmHg)	Final Pressure (mmHg)	Sampling Duration (min)	Analysis Required	Comments/ Weather
106 A	2552	622	100ml/min	-30	-7	8	T015 & oxygen, hydrogen, carbon monoxide, methane and helium	
BD20150523	2455	493	"	-30	-7	8		
102	3500	4 628	"	-30	-7	8		
102 A	2285	617	"	-30	-7	8		
101	3302	2078	"	-30	-7	8		
104	2544	492	"	-30	-7	8		

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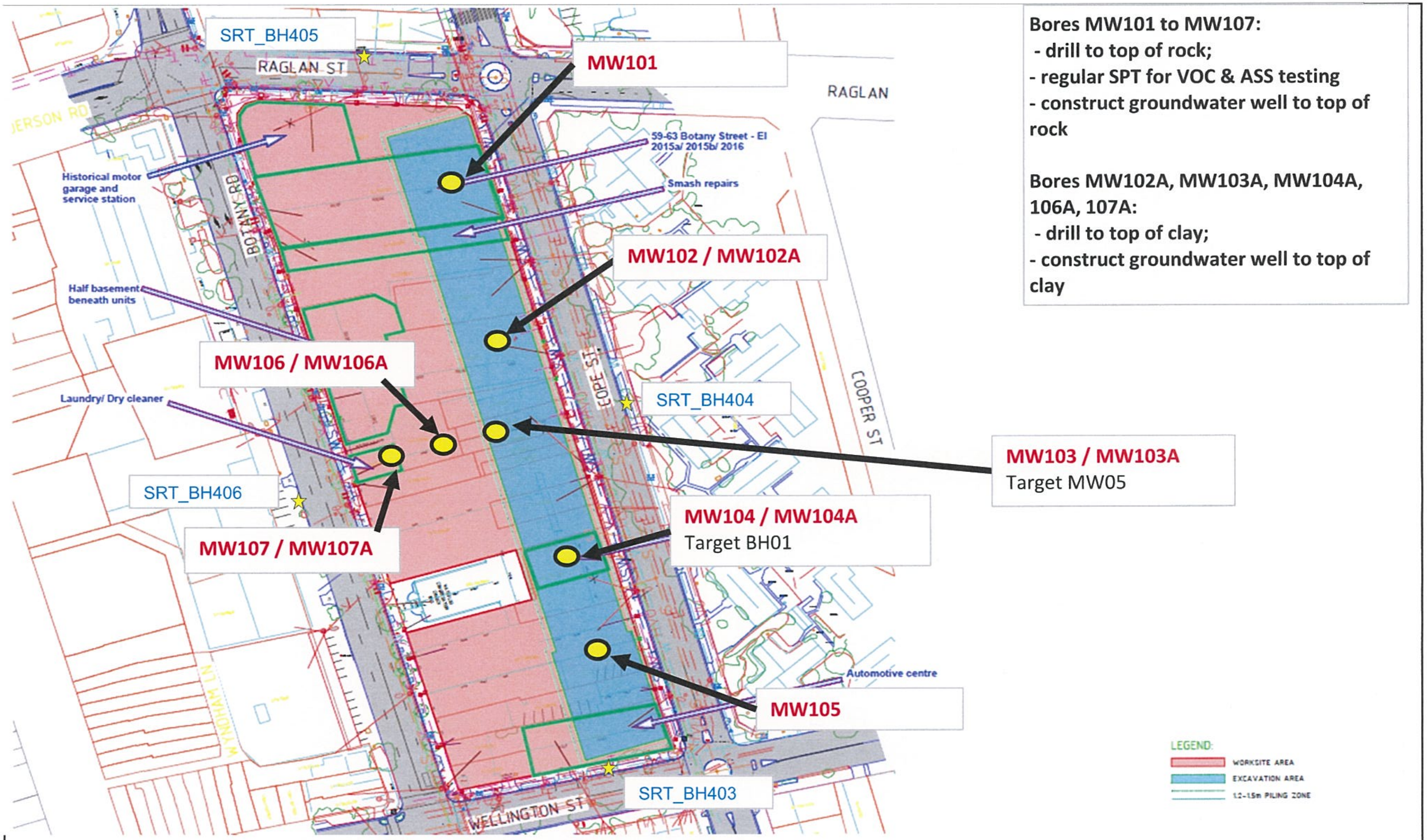
Sample Record (Carbon and Thermal Desorption Tubes)

Sample ID	Tube ID	Sample Time (min)	Flow (L/min)	Volume (L)	Vacuum (in.Hg)	Analysis Required	Comments
106A	6853305218	5	0.1	0.5	-0.14	HOLD	
BD1 20180523	6853305221	5	0.1	0.5	-0.14	HOLD	
shroud	6853305222	30	0.1	0.05	-0.02	IPA	
102	6853305219	5	0.1	0.5	-0.32	HOLD	surface cracked
102A	6853305220	5	0.1	0.5	-0.41	HOLD	〃
101	6853305215	5	0.1	0.5	-0.14	HOLD	
104	6853305216	5	0.1	0.5	-0.17	HOLD	



Bores MW101 to MW107:

- drill to top of rock;
- regular SPT for VOC & ASS testing
- construct groundwater well to top of rock

Bores MW102A, MW103A, MW104A, 106A, 107A:

- drill to top of clay;
- construct groundwater well to top of clay

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CLIENT: John Holland CPB Ghella JV	**Proposed Supplementary Wells**	PROJECT No:	85608.14
OFFICE: Sydney	**Sydney Metro City & South West, Tunnel & Station Works Package**	DWG No:	A
DATE: 1.03.2018	**Botany Rd and Cope St, Waterloo**	REVISION:	0

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KIT SUMMARY

Client Details

Kit ID	AK000224	**Contact**	Kurt Plambeck
Name	Douglas Partners Pty Ltd	**Phone**	0298090666
		Address	96 Hermitage Rd, West Ryde, NSW 1685

Comments

Nil

* Canisters should have some residual vacuum after sampling - aim to fill the canisters approximately 75% full. (-7.5 "Hg)
N/A if canisters are to be positively pressurised.

Kit Summary

Security No.	Serial No.	Item	Quantity	Case No.	Date Certified	FR Before shipment mL/min	Vacuum before shipment inch Hg
3302	3302	1L Canister	1	L-7	21/05/2018		-29.63
622R	A0114856-9	Passive sampler Restek + orifice	1	S-27	-	100.50	
1550R	0244194-1	Passive sampler Restek + orifice	1	S-27	-	100.30	
493R	A0106063-9	Passive sampler Restek + orifice	1	S-27	-	101.30	
637R	A0113954-1	Passive sampler Restek + orifice	1	S-11	-	100.60	
1538R	0241528-6	Passive sampler Restek + orifice	1	S-11	-	99.80	
628R	A0114854-5	Passive sampler Restek + orifice	1	S-11	-	100.10	
2078	A0336810-6	Passive sampler Restek + orifice	1	S-14	-	100.30	
492R	A0106064-5	Passive sampler Restek + orifice	1	S-14	-	100.40	
617R	A0113258-1	Passive sampler Restek + orifice	1	L-14	-	99.00	
-	-	union SS-400-6	9	-	-		
2245	2245	1L Canister	1	L-7	21/05/2018		-29.66
-	-	Charcoal tube-SKC Anasorb 226-09	9	-	-		
3508	3508	1L Canister	1	L-7	21/05/2018		-29.61
2544	2544	1L Canister	1	L-7	18/05/2018		-29.65
3657	3657	1L Canister	1	L-7	21/05/2018		-29.65
2285	2285	1L Canister	1	L-16	21/05/2018		-29.62
3500	3500	1L Canister	1	L-16	21/05/2018		-29.67
2552	2552	1L Canister	1	L-16	21/05/2018		-29.66

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	12:30 12/7/18
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW102A**	Weather:	14°C WNW 10 km/h 59%hm, 1018.3 mB
Sample Depth:	5 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	5 February 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	10 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	0.3		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/-15 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	30 mmHg Canister/-15 mmHg sample train	Pass/Fail	PASS

Leak Test			
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: ~~483~~ 472 ppm In Sample Line: ~~402~~ 0.3 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

Co - 0ppm H₂S - 0ppm
CO₂ 0.1% CH₄ - 0
O₂ 19.8% Bal 80.1

Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	12.7.18 1pm
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW104**	Weather:	17°C 53%, 1017.6mb NW 10km/h
Sample Depth:	8 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	19 February 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	16 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	0.3		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/-15 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/-15 mmHg sample train	Pass/Fail	
Leak Test			
Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 0.3 ppm In Sample Line: 394 ppm (after applying IPA
Pass/Fail	PASS		

B

* Not applicable for isopropyl alcohol tracer (lab tested)

CO_2 0.1% CH4 0%
CO - 0ppm O2 20.4%
H_2S 0ppm Bal 79.5

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Soil Vapour Sample Field Record

Job Details

Site Name:	Waterloo	Sampling Date:	12.7 1:30pm
Project Number:	85608.14	Sampling Media:	1L Summa Canister and Carbon Backup
Sample Location:	**MLMW105**	Weather:	17°C, 49% hum, 1017.3 mB wind 11 km/h
Sample Depth:	4 m	Flow Controller:	Regulator (canister) and 0.1 L/min rotameter and low flow adapter
Installation Date:	6 March 2018	Pump ID	868245
Sampled by:	KP		

Purge Details

Total Volume Purged: (L) (one volume)	8 L	Equipment Used: SKC Pump	SKC Pump #868245
PID Reading (ppm) – Prior to applying IPA	1.2		

Pre-Start QA Tests

Shut In Test			
Vacuum Applied (mmHg):	-30 mmHg Canister/-15 mmHg sample train	Duration (min)	30 Seconds
Vacuum at Completion	-30 mmHg Canister/-15 mmHg sample train	Pass/Fail	PASS
Leak Test			

Tracer Compound	Isopropyl alcohol	Field Tracer Level*	In shroud: 406 ppm In Sample Line: ~~4~~ 1.2 ppm (after applying IPA
Pass/Fail	PASS		

* Not applicable for isopropyl alcohol tracer (lab tested)

O_2 20.5% H_2S ~0ppm
CO_2 0.1 CH_4 ~0%
CO 0ppm Bal 79.0

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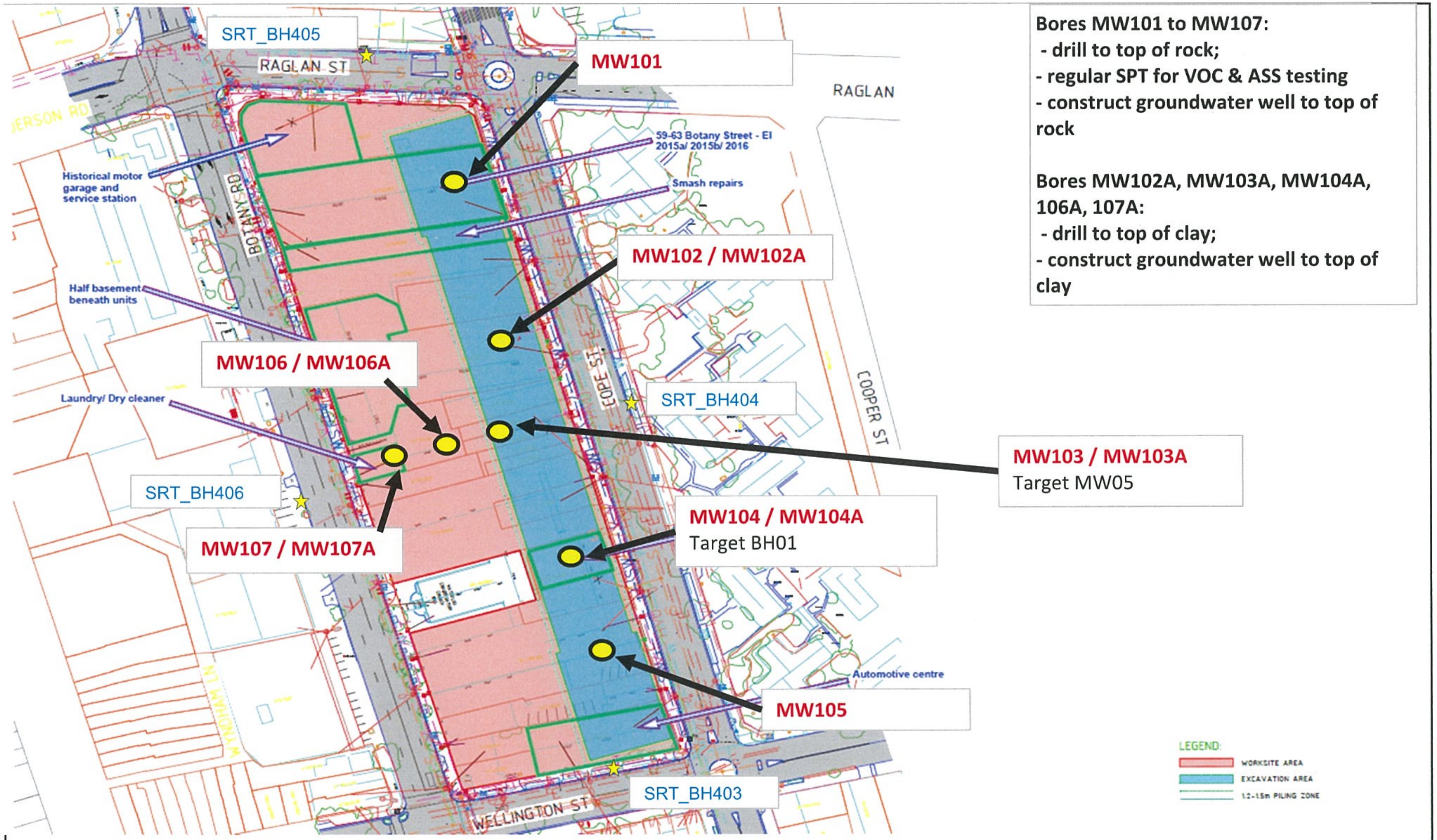
Geotechnics / Environment / Groundwater

Sample Record (Carbon and Thermal Desorption Tubes)

Sample ID	Tube ID	Sample Time (min)	Flow (L/min)	Volume (L)	Vacuum (in.Hg)	Analysis Required	Comments
102A	7221406946	5	0.1	0.5	-0.11	HOLD	
BDSV/20150712	7221406947	5	0.1	0.5	-0.11	HOLD	
Shroud	7221406948	30s	0.1	0.05	0	IPA	
104	7221406945	5	0.1	0.5	-0.12	HOLD	
105	7221406944	5	0.1	0.5	-0.14	HOLD	

Sample Record – Summa Canister

Sample ID	Canister ID	Regulator ID	Regulator Flow Rate (ml/min)	Start Pressure (mmHg)	Final Pressure (mmHg)	Sampling Duration (min)	Analysis Required	Comments/ Weather
102 A	1884	628	100m/min	-29.5	-7	8m	T015 & oxygen, hydrogen, carbon monoxide, methane and helium	
BDSV/20180712	3292	1550	100ml/min	-29.5	-7	8m		
104	3518	617	100ml/m	-29.0	-7	8m		



Bores MW101 to MW107:

- **drill to top of rock;**
- **regular SPT for VOC & ASS testing**
- **construct groundwater well to top of rock**

Bores MW102A, MW103A, MW104A, 106A, 107A:

- **drill to top of clay;**
- **construct groundwater well to top of clay**

Douglas Partners *Geotechnics / Environment / Groundwater*	CLIENT: John Holland CPB Ghella JV	**Proposed Supplementary Wells**	PROJECT No: 85608.14
	OFFICE: Sydney	**Sydney Metro City & South West, Tunnel & Station Works Package**	DWG No: A
	DATE: 1.03.2018	**Botany Rd and Cope St, Waterloo**	REVISION: 0

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

KIT SUMMARY

Client Details

Kit ID	AK000271	**Contact**	Kurt Plambeck
Name	Douglas Partners Pty Ltd	**Phone**	9809 0666
		Address	96 Hermitage Rd, West Ryde, NSW 2114

Comments

Nil

* Canisters should have some residual vacuum after sampling - aim to fill the canisters approximately 75% full. (-7.5 "Hg)

N/A if canisters are to be positively pressurised.

Kit Summary

Security No.	Serial No.	Item	Quantity	Case No.	Date Certified	FR Before shipment mL/min	Vacuum before shipment inch Hg
2086	A0334394-1	Passive sampler Restek + orifice	1	S-2	-	101.10	
2559	2559	1L Canister	1	L55	26/06/2018		-29.50
3292	3292	1L Canister	1	L55	26/06/2018		-29.70
3518	3518	1L Canister	1	L55	26/06/2018		-29.70
1884	1884	1L Canister	1	L55	26/06/2018		-29.70
3504	3504	1L Canister	1	L11	26/06/2018		-29.70
2255	2255	1L Canister	1	L11	26/06/2018		-29.70
2254	2254	1L Canister	1	L11	03/07/2018		-29.70
3505	3505	1L Canister	1	L11	26/06/2018		-29.70
-	-	Charcoal tube-SKC Anasorb 226-09	1	x10	-		
336	336	3.2L Canister	1	Lx	01/07/2018		-29.70
638R	A0113258-9	Passive sampler Restek + orifice	1	S-10	-	100.60	
1769R	3859	Passive sampler Entech 2cc-5cc min	1		-	5.05	
-	-	Pressure Gauge with connection	1	-	-		
1980R	A0309007-4	Passive sampler Restek + orifice	1	S-2	-	101.40	
637R	A0113954-1	Passive sampler Restek + orifice	1	S-10	-	100.60	
628R	A0114854-5	Passive sampler Restek + orifice	1	S-10	-	100.70	
1550R	0244194-1	Passive sampler Restek + orifice	1	S-2	-	99.80	
617R	A0113258-1	Passive sampler Restek + orifice	1	S-2	-	102.10	

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Kit Summary

Security No.	Serial No.	Item	Quantity	Case No.	Date Certified	FR Before shipment mL/min	Vacuum before shipment inch Hg
632R	A0113954-9	Passive sampler Restek + orifice	1	S-10	-	101.30	
-	-	union SS-400-6	1	x8	-		

Please direct any queries to:

Airtox Sydney

Phone: 02 9910 6200

Fax: 02 9910 6201

Email: airtoxsydney@envirolab.com.au

Table C1: Summary of Analytical Results - Contamination in *in situ* Soil (continued)

Sample Identification	Date Sampled	Soil Type	Metals									PAH					TRH (NEPC, 2013)						BTEX				VOC		Total Phenolics	PCB	OCP				OPP	Asbestos	Lab Reference
			As	Cd	Cr [b]	Cu	Pb	TCLP Pb	Hg	Ni	Zn	BaP	TCLP BaP	Naphthalene	BaP TEQ	Total PAH	C6 - C10	>C10-C16	C6 - C10 less BTEX (F1)	>C10 - C16 less Naphthalene (F2)	>C16-C34	>C34-C40	Benzene	Toluene	Ethylbenzene	Total Xylene	Tetrachloroethene	Other VOC			Endosulfan	Heptachlor	Chlordane	Scheduled Chemicals			
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	0.1g/kg	
Site Assessment Criteria																																					
HIL D			3,000	900	3,600 [c]	240,000	1,500		730/180	6,000	400,000				40	4,000													660	7	2000	50	530				
Management Limit	coarse																700	1,000			3,500	10,000															
HSLs - Vapour Intrusion																																					
HSL D 0-<1m	sand													NL					260	NL			3	NL	NL	230											
HSL D, direct contact														11,000					26,000	20,000	27,000	38,000	430	99,000	27,000	81,000											
Chemical Control Order Thresholds (CCO, 1997 and 2004))																																					
Chemical Control Order Thresholds																														2 [f]				2 [g]			
Laboratory Results																																					
Detailed Site Investigation (DP Report 2)																																					
WLBH01 / 0.5-0.95	6/12/17	Fill	<4	<0.4	7	33	320	0.2	0.7	6	190	1.3	<0.001	<0.1	1.8	14	39	<50	39	<50	<100	<100	<0.2	<0.5	<1	<1	**32**	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	
WLBH01 / 1-1.45	6/12/17	Sand	5	0.6	10	44	330	<0.03	0.7	9	350	1.8	<0.001	0.2	2.6	19	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	**19**	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		
WLBH02 / 0.6-0.7	1/12/17	Sand	<4	<0.4	2	7	38		<0.1	<1	170	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1			<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	
WLBH02 / 1-1.45	1/12/17	Sand																									<1	<1									
WLBH02 / 5-5.45	1/12/17	Sand	10	<0.4	12	2	8		<0.1	1	2	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		
WLMW03 / 0.2-0.3	6/12/17	Fill	<4	<0.4	9	14	460	1.4	0.2	2	390	0.3		<0.1	<0.5	3.4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	
WLMW03 / 1-1.45	6/12/17	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		
WLMW04 / 0.3-0.4	29/11/17	Fill	4	<0.4	6	460	710	0.32	0.2	13	200	1.2	<0.001	<0.1	1.8	22	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.2	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	
WLMW04 / 1-1.45	29/11/17	Fill	<4	<0.4	<1	3	8		<0.1	<1	5	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		
WLMW04 / 7-7.45	29/11/17	Sand	12	<0.4	31	3	11		<0.1	1	2	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1									
WLMW05 / 0.2-0.3	30/11/17	Fill	<4	<0.4	2	3	16		<0.1	<1	16	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1										NAD	
BD1/20171130 [a]	30/11/17	Fill	3.2	<0.4	<5	<5	9.2		<0.1	<5	33	<0.5		<0.5	<0.5	<0.5	<25	<50	<25	<50	<100	<100	<0.1	<0.1	<0.1	<0.3											
WLMW05 / 0.5-0.95	30/11/17	Fill	<4	<0.4	12	45	760	0.2	1.3	5	350	1.4	<0.001	<0.1	2.1	14	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	
WLMW05 / 1.15-1.45	30/11/17	Sand	<4	<0.4	<1	1	<1		<0.1	<1	21	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		
WLMW05 / 2-2.45	30/11/17	Sand																																			
WLMW05 / 3-3.45	30/11/17	Fill																																			
WLMW05 / 4-4.5	30/11/17	Sand																																			
WLMW05 / 5.1-5.45	30/11/17	Sand																																			
WLMW05 / 6-6.45	30/11/17	Sand	<4	<0.4	26	1	10		<0.1	1	2	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1											
WLMW06 / 0.2-0.3	1/12/17	Fill	8	<0.4	12	41	150		0.1	9	250	0.1		<0.1	<0.5	1.4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	
WLMW06 / 1-1.3	1/12/17	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	2	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		
WLMW06 / 4.17-4.45	1/12/17	Sand	<4	<0.4	6	2	3		<0.1	4	2	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1											
WLTP08 / 0.15-0.25	7/11/17	Fill	5	0.4	8	33	810	2.9	0.7	5	270	0.62		<0.1	0.8	6.8	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	
BD1/20171107 [a]	7/11/17	Fill	5	<0.4	6	14	300		0.4	5	73	0.1		<0.1	<0.5	1.2	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		
WLTP11 / 0.2-0.3	1/12/17	Fill	<4	<0.4	5	28	240	0.17	0.4	3	470	<0.05		<0.1	<0.5	0.2	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	
WLTP12 / 0.14-0.16	1/12/17	Fill	6	0.9	5	210	1200	2.7	0.2	23	650	1.4	<0.001	<0.1	2	16	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	
WLTP13 / 0.1-0.15	29/11/17	Fill	6	1	11	39	640	2.5	0.1	7	710	0.3		<0.1	<0.5	4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	
Supplementary Site Investigation																																					
WLMW101 / 0.2-0.5	6/03/18	Fill	4	<0.4	7	63	320	0.05	1.1	5	270	1.3	<0.001	<0.1	2	16	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	186702
WLMW101 / 0.8-1	6/03/18	Sand	<4	<0.4	<1	5	10		<0.1	<1	12	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1									186702
BD1_20180306 [a]	6/03/18	Sand	< 2	< 0.4	< 5	< 5	8.5		0.2	< 5	9.6	< 0.5		< 0.5	< 0.5	< 0.5	< 20	< 50	< 20	< 50	< 100	< 100	< 0.1	< 0.1	< 0.1	< 0.3	<0.5	<5/0.5									588727
WLMW101 / 5.5-5.95	6/03/18	Sand	<4	<0.4	2	<1	1		<0.1	<1	2	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1									186702
WLMW101 / 6.6-7.05	6/03/18	Clay																									<1	<1									186702
WLMW101 / 8.1-8.55	6/03/18	Clay																									<1	<1									186702
BD2/20180306 [a]	6/03/18	Clay																									<1	<1									186702
WLMW101 / 9.6-10.05	6/03/18	Shale																									<1	<1									186702
WLMW102 / 0.8-1	5/03/18	Fill	<4	<0.4	2	22	93		0.2	2	130	0.2		<0.1	<0.5	2.2	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1			<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	186702
WLMW102 / 1.2-1.35	5/03/18	Fill	<4	<0.4	<1	4	11		<0.1	<1	24	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1									186702
WLMW102 / 4-4.45	5/03/18	Sand	<4	<0.4	3	<1	3		<0.1	2	12	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1									186702
WLMW102 / 4.65-5.1	5/03/18	Sand																									<1	<1									186702
WLMW102 / 8.15-8.6	5/03/18	Clay																									<1	<1									186702
WLMW102 / 9.65-9.95	5/03/18	Clay																									<1	<1									186702
WLMW103 / 1.2-1.4	21/02/18	Sand																									<1	<1									185990
WLMW103 / 1.5-1.85	21/02/18	Sand																																			
BD1/20180221 [a]	21/02/18	Sand																									<1	<1									185990
WLMW103 / 1.7-1.95	21/02/18	Sand																									<1	<1									185990
WLMW103 / 2.5-2.7	21/02/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	20	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1		<0.1	<0.3	<0.1	<0.1	<1.8			185990
WLMW103 / 4.35-4.45	21/02/18	Sand																									<1	<1									185990
WLMW103 / 7.2-7.35	21/02/18	Clay	<4	<0.4	4	<1	16		<0.1	<1	2	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1		<0.1	<0.3	<0.1	<0.1	<1.8			185990
WLMW103 / 8.6-8.8	21/02/18	Clay																									<1	<1									185990
WLMW103 / 10.3-10.49	21/02/18	Shale	<4	<0.4	5	7	28		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1		<0.1	<0.3	<0.1	<0.1	<1.8			185990
WLMW104 / 0.9-1	19/02/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1		<0.1	<0.3	<0.1	<0.1	<1.8			185990
WLMW104 / 2.15-2.3	19/02/18	Sand	<4	<0.4	1	<1	1		<0.1	1	3	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1		<0.1	<0.3	<0.1	<0.1	<1.8			185990
WLMW104 / 4-4.15	19/02/18	Silty Clay																									<1	<1									185990
WLMW104 / 5.7-5.9	19/02/18	Silty Clay																									<1	<1									185990
WLMW104 / 8.5-8.88	19/02/18	Shale																									<1	<1									185990
WLMW105 / 0.4-0.5	02/03/18	Fill																									<1	<1									186462
WLMW105 / 0.9-1	02/03/18	Fill																																			

Table C1: Summary of Analytical Results - Contamination in *in situ* Soil (continued)

Sample Identification	Date Sampled	Soil Type	Metals									PAH					TRH (NEPC, 2013)						BTEX				VOC				OCP						
			As	Cd	Cr [b]	Cu	Pb	TCLP Pb	Hg	Ni	Zn	BaP	TCLP BaP	Naphthalene	BaP TEQ	Total PAH	C6 - C10	>C10-C16	C6 - C10 less BTEX (F1)	>C10 - C16 less Naphthalene (F2)	>C16-C34	>C34-C40	Benzene	Toluene	Ethylbenzene	Total Xylene	Tetrachloroethene	Other VOC	Total Phenolics	PCB	Endosulfan	Heptachlor	Chlordane	Scheduled Chemicals	OPP	Asbestos	Lab Reference
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	0.1g/kg	
Site Assessment Criteria																																					
HIL D			3,000	900	3,600 [c]	240,000	1,500		730/180	6,000	400,000				40	4,000													660	7	2000	50	530				
Management Limit	coarse																700	1,000			3,500	10,000															
HSLs - Vapour Intrusion																																					
HSL D 0-<1m	sand													NL					260	NL			3	NL	NL	230											
HSL D, direct contact														11,000					26,000	20,000	27,000	38,000	430	99,000	27,000	81,000											
Chemical Control Order Thresholds (CCO, 1997 and 2004))																																					
Chemical Control Order Thresholds																														2 [f]				2 [g]			
Laboratory Results																																					
BD1/20180302 [a]	02/03/18	Fill																									<1	<1									186462
WLMW105 / 3.0-3.45	02/03/18	Sand																									<1	<1									186462
WLMW105 / 4.0-4.45	02/03/18	Clayey Sand																									<1	<1									186462
WLMW105 / 5.1-5.55	02/03/18	Clay																									<1	<1									186462
WLMW105 / 6.05-6.35	02/03/18	Clay																									<1	<1									186462
WLMW106 / 0.4-0.5	11/05/18	Fill																									<1	<1									191469
WLMW106 / 0.9-1.0	11/05/18	Fill	<4	<0.4	8	96	78	0.36	<0.1	2	39	0.07	<0.001	<0.1	<0.5	0.4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	191469
BD1/20180511 [a]	11/05/18	Fill	<4	<0.4	7	120	82		<0.1	3	30	0.2		<0.1	<0.5	2.2											<1	<1									191469
WLMW106 / 1.4-1.5	11/05/18	Fill																									<1	<1									191469
WLMW106 / 1.9-2.0	11/05/18	Fill	11	0.8	10	84	550	0.31	0.6	11	400	0.91	<0.001	<0.1	1.3	9.9	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	191469
WLMW106 / 3.0-3.45	11/05/18	Sand	<4	<0.4	<1	<1	3		<0.1	<1	17	<0.05		<0.1	<0.5	<0.05											<1	<1									191469
WLMW106 / 4.5-4.95	11/05/18	Sand																									<1	<1									191469
WLMW106 / 6.0-6.45	11/05/18	Sandy Clay																									<1	<1									191469
WLMW106 / 8.2-9.65	11/05/18	Clay	<4	<0.4	2	<1	19		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	191469
WLMW106 / 9.7-10.15	11/05/18	Shaly Clay																									<1	<1									191469
In Situ Waste Classification, 0-4m (DP Reports 20, 23 and 31)																																					
BH01-C / 1.4-1.5	2/05/18	Sand	<4	<0.4	2	1	9		<0.1	<1	17	<0.05		<0.1	<0.1	<0.05	<0.5	<25	<50	<25	<50	<100	<0.2	<0.5	<1	<1	<1	<1	<0.1	<5	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190678
BH01-C / 2.1-2.2	2/05/18	Sand																									<1	<1									190678
BH01-C / 2.5-2.6	2/05/18	Sand																									<1	<1									190678
BH01TPN / 1.2-1.3	26/04/18	Fill	<4	<0.4	6	26	150	0.07	0.3	8	140	0.2		<0.1	<0.5	4.3	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190295
BH01TPN / 1.6-.7	26/04/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	4	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190295
BH01TPN / 3.1-3.2	26/04/18	Sand																																			
B01/20180426 [a]	26/04/18	Sand																									<0.5	<5/0.5									ES1812144
BH01TPN / 3.5-3.6	26/04/18	Sand	<4	<0.4	10	1	4		<0.1	3	1	<0.05		<0.1	<0.5	<0.05											<1	<1									190295
BH01-TPE2 / 0.4-0.5	4/05/18	Fill																																			
BD1/20180504 [a]	4/05/18	Fill																									<1	<1									190833
BH01-E1 / 1.1-1.2	2/05/18	Fill	<4	<0.4	6	23	140	0.2	0.6	2	520	0.1		<0.1	<0.1	0.86	<0.5	<25	<50	<25	<50	<100	<0.2	<0.5	<1	<1	<1	<1	<0.1	<5	<0.3	1.1	0.8	1.9	<0.1	NAD	190678
BH01-E1 / 1.6-1.7	2/05/18	Sand	<4	<0.4	2	<1	1		<0.1	<1	9	<0.05		<0.1	<0.1	<0.05	<0.5	<25	<50	<25	<50	<100	<0.2	<0.5	<1	<1	<1	<1	<0.1	<5	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190678
BH01-E2 / 1.3-1.4	4/05/18	Fill	<4	<0.4	6	18	190	0.2	0.6	3	330	0.4		<0.1	<0.5	3.9											<1	<1								NAD	190833
BH01-E2 / 1.7-1.8	4/05/18	Sand																									<1	<1									190833
BH01-E2 / 2.3-2.4	4/05/18	Sand																									<1	<1									190833
BH01-E2 / 2.9-30	4/05/18	Sand																									<1	<1									190833
BH01-S / 1.1-1.2	2/05/18	Fill	<4	0.5	6	240	190	0.1	0.6	4	270	0.82	<0.001	0.1	0.1	8.4	1.1	<25	<50	<25	<50	<100	<0.2	<0.5	<1	<1	<1	<1	<0.1	<5	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190678
BH01-S / 1.4-1.5	2/05/18	Sand																									<1	<1									190678
BH01-S / 1.6-1.7	2/05/18	Sand																									<1	<1									190678
B01/20180502 [a]	2/05/18	Sand																					<0.2	<0.5	<0.5	<1	<0.5	<5/0.5									ES1812697
BH01-S / 3.0-3.1	2/05/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	3	<0.05		<0.1	<0.1	<0.05	<0.5	<25	<50	<25	<50	<100	<0.2	<0.5	<1	<1	<1	<1			<0.3	<0.1	<0.1	<1.8			190678
BH01-W / 1.3-1.4	4/05/18	Fill	11	<0.4	7	20	120	0.09	0.4	5	480	0.3		<0.1	<0.5	2.9	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1		<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190833
BH01-W / 1.9-2.0	4/05/18	Sand																									<1	<1									190833
BD2/20180504 [a]	4/05/18	Sand																									<1	<1									190833
BH01-W / 2.4-2.5	4/05/18	Sand																									<1	<1									190833
BH01-W / 2.9-3.0	4/05/18	Sand																									<1	<1									190833
WLBH201 / 0.9-1.0	30/04/18	Fill	<4	<0.4	5	16	110	0.2	0.2	2	160	0.84	<0.001	<0.1	1.2	9	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190452
WLBH201 / 1.2-1.3	30/04/18	Sand	<4	<0.4	3	<1	3		<0.1	<1	10	<0.05		<0.1	<0.5	<0.05																					190452-A
WLBH201 / 1.6-1.7	30/04/18	Sand	<4	<0.4	2	<1	2		<0.1	<1	4	<0.05		<0.1	<0.5	<0.05																					190452-A
WLBH201 / 2.1-2.2	30/04/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05																					190452-A
WLBH201 / 2.5-2.6	30/04/18	Clayey Sand	<4	<0.4	8	<1	5		<0.1	2	14	<0.05		<0.1	<0.5	<0.05												<1			<0.3	<0.1	<0.1	<1.8			190452
WLBH201 / 3.7-3.8	30/04/18	Clayey Sand																										<1									190452
WLBH201 / 4.0-4.1	30/04/18	Sandy Clay	<4	<0.4	8	2	4		<0.1	1	2	<0.05		<0.1	<0.5	<0.05												<1			<0.3	<0.1	<0.1	<1.8			190452
WLBH202 / 0.7-0.8	1/05/18	Fill	<4	<0.4	7	11	44		<0.1	4	79	0.2		<0.1	<0.5	1.9	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190686
WLBH202 / 1.4-1.5	1/05/18	Sand	<4	<0.4	<1	<1	6		<0.1	<1	21	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190686
WLBH202 / 1.9-2.0	1/05/18	Sand																									<1	<1									190686
WLBH203 / 0.7-0.8	30/04/18	Sand	<4	<0.4	10	2	9		<0.1	2	11	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.1	0.1	<0.1	0.1	<0.1	NAD	190452-C
WLBH203 / 1.2-1.3	30/04/18	Sand	<4	<0.4	10	<1	3		<0.1	2	2	<0.05		<0.1	<0.5	<0.05											<1	<1			<0.3	<0.1	<0.1	<1.8			190452
WLBH203 / 2.0-2.1	30/04/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NAD	190452-C

Table C1: Summary of Analytical Results - Contamination in *in situ* Soil (continued)

Sample Identification	Date Sampled	Soil Type	Metals									PAH					TRH (NEPC, 2013)						BTEX				VOC		Total Phenolics	PCB	OCP				OPP	Asbestos	Lab Reference
			As	Cd	Cr[b]	Cu	Pb	TCLP Pb	Hg	Ni	Zn	BaP	TCLP BaP	Naphthalene	BaP TEQ	Total PAH	C6 - C10	>C10-C16	C6 - C10 less BTEX (F1)	>C10 - C16 less Naphthalene (F2)	>C16-C34	>C34-C40	Benzene	Toluene	Ethylbenzene	Total Xylene	Tetrachloroethene	Other VOC			Endosulfan	Heptachlor	Chlordane	Scheduled Chemicals			
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	0.1g/kg	
Site Assessment Criteria																																					
HIL D			3,000	900	3,600[c]	240,000	1,500		730/180	6,000	400,000				40	4,000													660	7	2000	50	530				
Management Limit	coarse																700	1,000			3,500	10,000															
HSLs - Vapour Intrusion																																					
HSL D 0-<1m	sand													NL					260	NL			3	NL	NL	230											
HSL D, direct contact														11,000					26,000	20,000	27,000	38,000	430	99,000	27,000	81,000											
Chemical Control Order Thresholds (CCO, 1997 and 2004))																																					
Chemical Control Order Thresholds																														2[f]				2[g]			
Laboratory Results																																					
BD1/20180430[a]	30/04/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05											<1	<1									190452
WLBH204 / 1.3-1.4	1/05/18	Fill	<4	<0.4	5	24	170	0.2	0.5	4	180	0.2		<0.1	<0.5	1.8	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190686
WLBH204 / 1.6-1.7	1/05/18	Sand																									<1	<1									190686
WLBH204 / 2.0-2.1	1/05/18	Sand	<4	<0.4	1	<1	5		<0.1	<1	11	<0.05		<0.1	<0.5	<0.05											<1	<1			<0.3	<0.1	<0.1	<1.8			190686
WLBH204 / 2.2-2.3	1/05/18	Sand																									<1	<1									190686
WLBH204 / 2.8-2.9	1/05/18	Sand																									<1	<1									190686
WLBH204 / 3.6-3.7	1/05/18	Sand	<4	<0.4	<1	2	1		<0.1	<1	32	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1			<0.3	<0.1	<0.1	<1.8			190686
WLBH204 / 4.1-4.2	1/05/18	Sand																									<1	<1									190686
WLBH205 / 0.8-0.9	30/04/18	Fill	<4	<0.4	4	14	120	0.1	0.4	2	170	0.2		<0.1	<0.5	2.5	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190452
WLBH205 / 1.4-1.5	30/04/18	Sand	<4	<0.4	4	<1	4		<0.1	2	2	<0.05		<0.1	<0.5	<0.05											<1	<1			<0.3	<0.1	<0.1	<1.8			190452
WLBH206 / 0.9-1.0	1/05/18	Fill	<4	<0.4	9	190	380	0.98	0.9	6	210	0.4		<0.1	0.5	4.2	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190686
WLBH206 / 1.2-1.3	1/05/18	Sand	<4	<0.4	1	4	11		<0.1	<1	30	<0.05		<0.1	<0.5	<0.05											<1	<1			<0.3	<0.1	<0.1	<1.8			190686
WLBH207 / 0.6-0.7	1/05/18	Fill	<4	<0.4	4	14	190	0.44	0.2	3	88	0.3		<0.1	<0.5	3.2	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190686
WLBH207 / 1.5-1.6	1/05/18	Sand	<4	<0.4	3	1	8		<0.1	<1	20	<0.05		<0.1	<0.5	<0.05											<1	<1			<0.3	<0.1	<0.1	<1.8			190686
BD1/20180501[a]	1/05/18	Sand	<4	<0.4	4	1	5		<0.1	<1	11	<0.05		<0.1	<0.5	<0.05											<1	<1			<0.3	<0.1	<0.1	<1.8			190686
BD2/20180501[a]	1/05/18	Sand	<4	<0.4	3	4	90		<0.1	1	32	0.08		<0.1	<0.5	0.88											<1	<1			<0.3	<0.1	<0.1	<1.8			190686
BD2/20180501[a]	1/05/18	Sand	<5	<1	2	<5	<5		<0.1	<2	<5	<0.5		<0.5	<0.5	<0.5							<0.2	<0.5	<0.5	<1	<0.5	<5/0.5			<0.05	<0.1	<0.1	<0.05			ES1812696
WLBH207 / 3.9-4.0	1/05/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1			<0.3	<0.1	<0.1	<1.8			190686
WLBH208 / 0.8-0.9	1/05/18	Fill	<4	<0.4	5	9	110	0.43	1.1	2	89	0.3		<0.1	<0.5	3.5	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190686
WLBH208 / 1.5-1.6	1/05/18	Sand	<4	<0.4	3	2	23		<0.1	<1	26	<0.05		<0.1	<0.5	<0.05											<1	<1			<0.3	<0.1	<0.1	<1.8			190686
WLBH208 / 2.1-2.2	1/05/18	Sand																									<1	<1									190686

Table C1: Summary of Analytical Results - Contamination in *in situ* Soil (continued)

			Metals									PAH					TRH (NEPC, 2013)						BTEX				VOC				OCP						
Sample Identification	Date Sampled	Soil Type	As	Cd	Cr [b]	Cu	Pb	TCLP Pb	Hg	Ni	Zn	BaP	TCLP BaP	Naphthalene	BaP TEQ	Total PAH	C6 - C10	>C10-C16	C6 - C10 less BTEX (F1)	>C10 - C16 less Naphthalene (F2)	>C16-C34	>C34-C40	Benzene	Toluene	Ethylbenzene	Total Xylene	Tetrachloroethene	Other VOC	Total Phenolics	PCB	Endosulfan	Heptachlor	Chlordane	Scheduled Chemicals	OPP	Asbestos	Lab Reference
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	0.1g/kg	
Site Assessment Criteria																																					
HIL D			3,000	900	3,600 [c]	240,000	1,500		730/180	6,000	400,000				40	4,000													660	7	2000	50	530				
Management Limit	coarse																700	1,000			3,500	10,000															
HSLs - Vapour Intrusion																																					
HSL D 0-<1m	sand													NL					260	NL			3	NL	NL	230											
HSL D, direct contact														11,000					26,000	20,000	27,000	38,000	430	99,000	27,000	81,000											
Chemical Control Order Thresholds (CCO, 1997 and 2004))																																					
Chemical Control Order Thresholds																														2 [f]				2 [g]			
Laboratory Results																																					
WLBH209 / 0.3-0.4	1/05/18	Fill	<4	0.8	7	120	240	0.31	0.6	4	360	0.4		<0.1	0.6	4.2	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190686
WLBH209 / 1.9-2.0	1/05/18	Sand																									<1	<1									190686
WLBH210 / 0.8-0.9	1/05/18	Fill	<4	0.6	7	62	320	0.66	1.2	4	710	0.62		<0.1	0.8	5.8	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	190686
WLBH210 / 3.5-3.6	1/05/18	Sand	<4	<0.4	<1	2	1		<0.1	<1	11	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1			<0.3	<0.1	<0.1	<1.8			190686
WLBH210 / 4.0-4.1	1/05/18	Sand																									<1	<1									190686
WLBH211 / 0.4-0.5	28/05/18	Fill	<4	<0.4	8	40	180	<0.03	0.7	4	260	0.2	<0.001	<0.1	<0.5	2.4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	192708
BD1/20180528 [a]	28/05/18	Fill	<4	<0.4	7	14	58		0.2	5	89	0.3		<0.1	<0.5	2.8																					192708
WLBH211 / 0.7-0.8	28/05/18	Sand	<4	<0.4	2	2	5		<0.1	<1	14	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		192708
WLBH211 / 1.4-1.5	28/05/18	Sand	<4	<0.4	1	<1	3		<0.1	<1	13	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1			<0.3	<0.1	<0.1	<1.8			192708-B
WLBH212 / 0.2-0.4	28/05/18	Fill	<4	<0.4	2	13	75	0.1	0.3	2	94	0.57	<0.001	<0.1	0.8	6.4	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	192708
WLBH212 / 0.8-0.9	28/05/18	Fill	<4	<0.4	4	<1	3		<0.1	<1	54	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	192708
WLBH212 / 1.5-1.6	28/05/18	Sand	<4	<0.4	<1	3	15		<0.1	<1	18	0.05		<0.1	<0.5	0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		192708
WLBH212 / 2.5-2.6	28/05/18	Sand																									<1	<1									192708
WLBH213 / 1.2-1.3	28/05/18	Fill	<4	<0.4	2	3	31		<0.1	<1	19	0.82	<0.001	<0.1	1.2	8	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	192708
WLBH214 / 1.0-1.1	28/05/18	Fill	<4	<0.4	3	<1	5		<0.1	<1	14	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	192708
WLBH214 / 1.4-1.5	28/05/18	Sand	<4	<0.4	1	<1	4		<0.1	<1	2	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		192708
WLBH215 / 1.4-1.5	28/05/18	Fill	<4	<0.4	3	<1	10	<0.03	<0.1	<1	21	0.2	<0.001	<0.1	<0.5	3.5	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	192708
WLBH215 / 1.9-2.0	28/05/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	2	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	192708
WLBH215 / 3.4-3.5	28/05/18	Sand																									<1	<1									192708
WLBH216 / 1.4-1.5	28/05/18	Sand	<4	<0.4	3	<1	3		<0.1	2	1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1	NAD	192708
WLBH216 / 2.4-2.5	28/05/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	4	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1			<0.3	<0.1	<0.1	<1.8			192708-B
In Situ Waste Classification, below 4m																																					
BH301 / 3.0-3.45	3/07/18	Sand																									<1	<1									195615
BH301 / 4.0-4.45	3/07/18	Sand	<4	<0.4	5	1	3		<0.1	2	16	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		195615
BD1/20180703 [a]	3/07/18	Sand																									<1	<1									195615
BH301 / 6.0-6.45	3/07/18	Clay																									<1	<1									195615
BH301 / 8.0-8.45	3/07/18	Clay																									<1	<1									195615
BH302 / 2-2.45	20/07/18	Sand																									<1	<1									196831
BH302 / 3-3.45	20/07/18	Sand																									<1	<1									196831
BD1/20180720 [a]	20/07/18	Sand																									<1	<1									196831
BH302 / 4-4.45	20/07/18	Sand	<4	<0.4	1	<1	<1		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		196831
BH302 / 5.5-5.95	20/07/18	Sandy Clay																									<1	<1									196831
BH302 / 5.95-6.4	20/07/18	Clay																									<1	<1									196831
BH302 / 7-7.45	20/07/18	Clay																									<1	<1									196831
BH302 / 8-8.45	20/07/18	Clay																									<1	<1									196831
BH302 / 9-9.45	20/07/18	Shaly Clay																									<1	<1									196831
BH303 / 3-3.45	21/07/18	Sand																									<1	<1									196831
BH303 / 4-4.45	21/07/18	Sand																									<1	<1									196831
BH303 / 5.5-5.95	21/07/18	Sandy Clay	<4	<0.4	12	1	8		<0.1	1	1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		196831
BH303 / 5.95-6.4	21/07/18	Sandy Clay																									<1	<1									196831
BH303 / 7-7.45	21/07/18	Clay																									<1	<1									196831
BH303 / 8-8.45	21/07/18	Shaly Clay																									<1	<1									196831
BH304 / 4-4.45	20/07/18	Sand																									<1	<1									196831
BH304 / 5.7-5.95	20/07/18	Clay																									<1	<1									196831
BH304 / 7.5-7.95	20/07/18	Clay																									<1	<1									196831
BH304 / 8.5-8.95	20/07/18	Clay																									<1	<1									196831
BH304 / 9-9.1	20/07/18	Shaly Clay	12	<0.4	17	<1	16		<0.1	<1	7	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		196831
BH304 / 10-10.1	20/07/18	Shaly Clay																									<1	<1									196831
BH304 / 11-11.1	20/07/18	Shale																									<1	<1									196831
BH304 / 12-12.1	20/07/18	Shale	12	<0.4	7	28	9		<0.1	1	14	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		196831
BH304 / 13-13.1	20/07/18	Shale																									<1	<1									196831
BH304 / 14-14.1	20/07/18	Shale																									<1	<1									196831
BH304 / 15-15.1	20/07/18	Shale																									<1	<1									196831
BH304 / 16.8-16.9	20/07/18	Shale																									<1	<1									196831
BH304 / 17.8-17.9	20/07/18	Sandstone	<4	<0.4	12	<1	8		<0.1	7	22	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		196831
BH305 / 0.9-1	21/07/18	Filling												<1			<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1											197251
BH305 / 1.9-2	21/07/18	Filling												<1			<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1											197251
BH305 / 4-4.45	21/07/18	Sand																									<1	<1									196831
BH305 / 5-5.45	21/07/18	Sand																									<1	<1									196831

Table C1: Summary of Analytical Results - Contamination in *in situ* Soil (continued)

			Metals									PAH					TRH (NEPC, 2013)						BTEX				VOC				OCP						
Sample Identification	Date Sampled	Soil Type	As	Cd	Cr[b]	Cu	Pb	TCLP Pb	Hg	Ni	Zn	BaP	TCLP BaP	Naphthalene	BaP TEQ	Total PAH	C6 - C10	>C10-C16	C6 - C10 less BTEX (F1)	>C10 - C16 less Naphthalene (F2)	>C16-C34	>C34-C40	Benzene	Toluene	Ethylbenzene	Total Xylene	Tetrachloroethene	Other VOC	Total Phenolics	PCB	Endosulfan	Heptachlor	Chlordane	Scheduled Chemicals	OPP	Asbestos	Lab Reference
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	0.1g/kg	
Site Assessment Criteria																																					
HIL D			3,000	900	3,600[c]	240,000	1,500		730/180	6,000	400,000				40	4,000													660	7	2000	50	530				
Management Limit	coarse																700	1,000			3,500	10,000															
HSLs - Vapour Intrusion																																					
HSL D / 0-<1m	sand													NL					260	NL			3	NL	NL	230											
HSL D, direct contact														11,000					26,000	20,000	27,000	38,000	430	99,000	27,000	81,000											
Chemical Control Order Thresholds (CCO, 1997 and 2004))																																					
Chemical Control Order Thresholds																														2[f]				2[g]			
Laboratory Results																																					
BH305 / 6-6.45	21/07/18	Clay																									<1	<1									196831
BH306 / 2.0-2.45	3/07/18	Sand																									<1	<1									195615
BH306 / 3.5-3.95	3/07/18	Sand																									<1	<1									195615
BH306 / 4.5-4.95	3/07/18	Sand	<4	<0.4	3	5	5		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		195615
BH306 / 5.5-5.95	3/07/18	Clay	9	<0.4	17	4	9		<0.1	<1	3	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		195615
BH306 / 7.0-7.45	3/07/18	Clay																									<1	<1									195615
BH306 / 8.5-8.95	3/07/18	Clay																									<1	<1									195615
BH306 / 10.0-10.45	3/07/18	Shale	15	<0.4	20	47	12		<0.1	14	20	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		195615
BH307 / 4-4.45	23/07/18	Clay	5	<0.4	16	<1	8		<0.1	1	2	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		196831
BD1/20180723[a]	23/07/18	Clay	<4	<0.4	1	5	39		<0.1	<1	38	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		196831
BH307 / 5.5-5.95	23/07/18	Clay																									<1	<1									196831
BH307 / 7-7.45	23/07/18	Clay																									<1	<1									196831
BH307 / 8.5-8.95	23/07/18	Clay																									<1	<1									196831
BH308 / 4.0-4.45	4/07/18	Sand	<4	<0.4	2	<1	<1		<0.1	<1	3	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		195615
BH308 / 5.5-5.95	4/07/18	Sand/ Clay																									<1	<1									195615
BH308 / 7.0-7.45	4/07/18	Clay	<4	<0.4	3	3	10		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		195615
BH308 / 8.5-8.95	4/07/18	Clay																									<1	<1									195615
BH309 / 4.0-4.45	4/07/18	Sand	<4	<0.4	<1	<1	<1		<0.1	<1	1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		195615
BD1/20180704[a]	4/07/18	Sand	<4	<0.4	2	<1	<1		<0.1	<1	2	<0.05		<0.1	<0.5	<0.05											<1	<1									195615
BH309 / 5.5-5.95	4/07/18	Sand																									<1	<1									195615
BH309 / 7.0-7.45	4/07/18	Clay																									<1	<1									195615
BH309 / 8.5-8.95	4/07/18	Clay	5	<0.4	18	2	13		<0.1	<1	<1	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		195615
BH310A / 4.0-4.45	3/07/18	Clay	<4	<0.4	7	2	5		<0.1	<1	4	<0.05		<0.1	<0.5	<0.05	<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1	<5	<0.1	<0.3	<0.1	<0.1	<1.8	<0.1		195615
BH310A / 5.5-5.95	3/07/18	Clay												<1			<25	<50	<25	<50	<100	<100	<0.2	<0.5	<1	<1	<1	<1									195615

Notes

a Replicate/ triplicate sample of sample listed directly above
b Analysis results for total Cr, waste classification guidelines for Cr(VI)
c Analysis results for total phenolics, waste classification guidelines for non-halogenated phenol
d Guideline for chlorpyrifos, the most stringent OPP guideline
e Thresholds for various other VOC available, not listed as all resutls less than PQL
f The *Polychlorinated Biphenyl (PCB) Chemical Control Order 1997* includes the following definition: "PCB contaminated soils means soils, or concrete or bricks present in soils, that contain PCBs at concentration levels above 2 mg/kg"
g *The Chemical Control Order in Relation to Scheduled Chemical Wastes* (2004) includes the following definition: "scheduled chemical wastes means any liquid or solid waste that contains one or more of the chemicals listed in Schedule A to this chemical control order where the total concentration of those chemicals is more than two milligrams per kilogram"

Acronyms

As	arsenic	NL	"Not limiting" to human health for the proposed land use for vapour intrusion from petroleum hydrocarbons
BaP	benzo(a)pyrene	OCP	organochlorine pesticides
BaP TEQ	benzo(a)pyrene toxic equivalent	OPP	organophosphorus pesticides
BTEX	benzene, toluene, ethyl benzene, total xylenes	PAH	polycyclic aromatic hydrocarbons
Cd	cadmium	Pb	lead
Cr	chromium (total)	PCB	polychlorinated biphenyls
Cu	copper	PQL	practical quantitation limit
Hg	mercury	TCLP	toxicity characteristic leaching procedure
HIL	health investigation level	TPH	total petroleum hydrocarbons
HSL	health screening level	TRH	total recoverable hydrocarbons, including total petroleum hydrocarbons (TPH)
NAD	no asbestos detected at the limit of reporting	VOC	volatile organic compounds
Ni	nickel	Zn	zinc

Table C2: Summary of Laboratory Results - Acid Sulfate Soil (continued)

Sample			Screening Tests				S_{Cr} Suite Laboratory Results									
Location	Depth	Date Sampled	pH_F	pH_{FOX}	pH_{FOX} minus pH_F	Reaction[a]	pH_{KCl}	Chromium Reducible Sulphur	Total Actual Acidity	Net Acid Soluble Sulfur	Acid Neutralising Capacity	Net Acidity	Net Acidity (excluding ANC)	Liming Rate (excluding ANC)	Soil Description	Lab Reference
								(S_{Cr})	(s-TAA)	(s-S_{NAS})	(s-ANC BT)					
			pH units			-	pH units	(%w/w S)					moles H+/T	kg CaCO3/T		
Investigation Levels																
ASSMAC (1998)																
Screening Indicators				<3.5	≤ -1											
Thresholds																
>1,000 tonnes, Any Texture								0.03	0.03			0.03	18			
Laboratory Results																
Detailed Site Investigation																
WLMW03	0.2-0.3	6/12/17	9.9	10	0.1	High									Filling - orange brown sand	181492
WLMW03	1-1.45	6/12/17	7.4	5.4	-2	Slight									Sand - yellow	181492
WLMW03	2-2.45	6/12/17	7.2	5.7	-1.5	Slight										
WLMW03	3-3.45	6/12/17	7.4	5.7	-1.7	Slight										
WLMW03	4-4.45	6/12/17	6.3	5.2	-1.1	Slight										
WLMW03	5-5.45	6/12/17	5.3	4.7	-0.6	Slight										
WLMW03	6.3-6.45	6/12/17	5.3	4.5	-0.8	Moderate									Clay - very stiff, grey mottle yellow, ironstone	181492
WLMW03	7-7.45	6/12/17	5.6	4.4	-1.2	Vigorous	4.1	**0.005**	**0.08**	<0.005	<0.05	**0.091**	**57**	4.3		
WLMW04	0.73-0.95	29/11/17	7	4.7	-2.3	Slight	6	<0.005	<0.01	<0.005	<0.05	<0.005	<5	<0.75	Filling - grey sand	181243-A
WLMW04	1-1.45	29/11/17	7.4	5.5	-1.9	Slight										
WLMW04	2-2.45	29/11/17	7.2	5.4	-1.8	Slight									Sand - white	181243-A
WLMW04	3-3.45	29/11/17	7.2	5.5	-1.7	Slight										
WLMW04	4-4.45	29/11/17	7.3	5.8	-1.5	Slight										
WLMW04	5-5.45	29/11/17	4.9	4	-0.9	Slight										
WLMW04	5.7-5.9	29/11/17	4.9	3.8	-1.1	Slight	4.6	<0.005	0.02	<0.005	<0.05	0.021	13	0.97	Clayey Sand - grey	181243-A
WLMW04	6-6.34	29/11/17	4.8	3.8	-1	Slight										
WLMW04	6.34-6.45	29/11/17	4.8	3.8	-1	Slight									Clay - grey, yellow mottling	181243-A
WLMW05	0.5-0.95	30/11/17	6.6	4	-2.6	Moderate	6.3	<0.005	<0.01	<0.005	<0.05	<0.005	<5	<0.75	Filling - brown/black sand	181243-A
WLMW05	2-2.45	30/11/17	6.2	5.1	-1.1	Slight									Sand - grey	181243-A
WLMW05	3-3.45	30/11/17	6.7	5.3	-1.4	Slight										
WLMW05	4-4.5	30/11/17	6.9	4.6	-2.3	Slight	5.3	<0.005	<0.01	<0.005	<0.05	0.005	<5	<0.75		
WLMW05	5.1-5.45	30/11/17	5.4	4.7	-0.7	Vigorous	3.6	<0.005	**0.1**	<0.005	<0.05	**0.1**	**63**	4.7	Clay - firm to stiff, grey-red	181243-A
WLMW05	6-6.45	30/11/17	5.4	4.7	-0.7	Vigorous	3.8	<0.005	**0.1**	<0.005	<0.05	**0.1**	**63**	4.7		
WLMW06	1-1.3	1/12/17	7.9	5.7	-2.2	Slight									Sand - grey/white	
WLMW06	2-2.45	1/12/17	6.5	4.6	-1.9	Slight	5.6	<0.005	<0.01	<0.005	<0.05	<0.005	<5	<0.75		
WLMW06	3-3.45	1/12/17	5.1	3.9	-1.2	Slight	4.5	<0.005	0.02	<0.005	<0.05	0.023	15	1.1	Sand - orange, some clay	181243-A
WLMW06	4.17-4.45	1/12/17	5.7	5.1	-0.6	Slight									Silty Sand - grey	
WLMW06	5.4-5.45	1/12/17	5.1	4.1	-1	Slight									Clay - grey-red	181243-A
WLMW06	6-6.45	1/12/17	5.2	4.5	-0.7	Slight										
Supplementary Investigation																
WLMW101	1.5-1.85	6/03/18	7.5	5.9	-1.6	Slight									Sand - grey/ brown	186702-A
WLMW101	2-2.35	6/03/18	7.6	5.9	-1.7	Slight										
WLMW101	3-3.45	6/03/18	6.6	5.9	-0.7	Slight	5.8	<0.005	<0.01	<0.005	<0.05	<0.005	<5	<0.75		
WLMW101	4-4.45	6/03/18	6.6	6.1	-0.5	Slight	5.9	<0.005	<0.01	<0.005	<0.05	<0.005	<5	<0.75		
WLMW101	5.5-5.95	6/03/18	5	5.3	0.3	Slight	4.4	<0.005	0.02	0.005	<0.05	0.024	15	1.1	Sand - grey/ brown, trace clay	186702-E
WLMW101	6.6-7.05	6/03/18	5.1	4.5	-0.6	Slight	3.9	<0.005	**0.18**	<0.005	<0.05	**0.18**	**110**	8.4	Clay - very stiff to hard grey mottled brown	186702-B
WLMW101	8.1-8.55	6/03/18	6	4.3	-1.7	Slight	3.8	<0.005	**0.08**	<0.005	<0.05	**0.08**	**50**	3.7		

Table C2: Summary of Laboratory Results - Acid Sulfate Soil (continued)

Sample			Screening Tests				S_{Cr} Suite Laboratory Results									
Location	Depth	Date Sampled	pH_F	pH_{FOX}	pH_{FOX} minus pH_F	Reaction[a]	pH_{KCl}	Chromium Reducible Sulphur (S_{Cr})	Total Actual Acidity (s-TAA)	Net Acid Soluble Sulfur ($s\text{-}S_{NAS}$)	Acid Neutralising Capacity (s-ANC BT)	Net Acidity	Net Acidity (excluding ANC)	Liming Rate (excluding ANC)	Soil Description	Lab Reference
			pH units			-	pH units	(%w/w S)					moles H+/T	kg CaCO3/T		
Investigation Levels																
ASSMAC (1998)																
Screening Indicators				<3.5	≤ -1											
Thresholds																
>1,000 tonnes, Any Texture								0.03	0.03			0.03	18			
Laboratory Results																
WLMW102	4-4.45	5/03/18	6	5.7	-0.3	Slight	5.2	<0.005	<0.01	<0.005	<0.05	<0.005	<5	<0.75	Sand - dark grey	186702-C
WLMW102	4.65-5.1	5/03/18	6.1	5.3	-0.8	Slight	4.9	<0.005	**0.03**	<0.005	<0.05	0.028	**18**	1.3	Sand - coffee rock	186702-B
WLMW102	6.65-7.1	5/03/18	6.4	5	-1.4	High									Clay - hard grey	186702-A
WLMW102	8.15-8.6	5/03/18	6.4	4.1	-2.3	Moderate	4.1	<0.005	**0.03**	<0.005	<0.05	0.029	**18**	1.3		
WLMW102	9.65-9.95	5/03/18	6.5	3.7	-2.8	Slight	4.5	<0.005	0.01	<0.005	<0.05	0.02	9.6	<0.75		
WLMW103	1.9-1.95	21/02/18	6.5	5.5	-1	Slight									Sand - light grey	185929
WLMW103	2.3-2.35	21/02/18	7.3	4.9	-2.4	Slight										
WLMW103	2.7-2.8	21/02/18	7.3	5.7	-1.6	Slight										
WLMW103	3.2-3.45	21/02/18	7.4	5.5	-1.9	Slight										
WLMW103	4.0-4.35	21/02/18	6.7	4.3	-2.4	Slight										
WLMW103	4.35-4.45	21/02/18	6.5	4.2	-2.3	Slight	5.1	**0.007**	<0.01	<0.005	<0.05	0.013	8.4	<0.75		
WLMW103	7.35-7.45	21/02/18	6	4.2	-1.8	High	3.7	**0.02**	**0.1**	<0.005	<0.05	**0.12**	**73**	5.5	Clay - light grey	185929
WLMW103	8.8-8.9	21/02/18	6.2	4.4	-1.8	High										
WLMW104	1.85-1.95	19/02/18	8	5.9	-2.1	Slight									Sand - light grey	185929
WLMW104	2.15-2.3	19/02/18	8	5.8	-2.2	Slight										
WLMW104	3.2-3.45	19/02/18	7.7	5.4	-2.3	Slight	6.4	<0.005	<0.01	<0.005	<0.05	<0.005	<5	<0.75		
WLMW104	4.4-4.45	19/02/18	5	4.3	-0.7	Slight	3.9	<0.005	**0.18**	<0.005	<0.05	**0.18**	**110**	8.4	Silty Clay - grey, trace red staining	185929-C
WLMW104	5.7-5.9	19/02/18	5.7	4.4	-1.3	Moderate										
WLMW104	8.0-8.88	19/02/18	6.2	5.8	-0.4	Moderate										
WLMW104	7.2-7.3	19/02/18	6	4.4	-1.6	Moderate	4.3	<0.005	**0.03**	<0.005	<0.05	**0.031**	**19**	1.4		
WLMW104	7.3-7.45	19/02/18	5.8	4.6	-1.2	Moderate										
WLMW105	3.0-3.45	2/03/18	4.9	4	-0.9	Slight									Sand - yellow	186463-A
WLMW105	4.0-4.45	2/03/18	5	3.9	-1.1	Slight	4.4	<0.005	**0.04**	<0.005	<0.05	**0.043**	**27**	2	Clayey Sand - orange/ red	186463-A
WLMW105	5.1-5.55	2/03/18	5.5	4.2	-1.3	Slight										
WLMW105	6.0-6.35	2/03/18	5.8	2.4	-3.4	Slight	4.3	<0.005	**0.04**	<0.005	<0.05	**0.039**	**25**	1.8	Clay - light grey, some red staining	186463-A
In Situ Waste Classification																
BH201	4.0-4.1	30/04/18	5.7	4.4	-1.3	Slight	4.1	<0.005	**0.04**	<0.005	<0.05	**0.042**	**26**	2	Sandy Clay - grey	190452
BH01TPN	3.5-3.6	26/04/18	5.5	4.8	-0.7	Slight	4.6	<0.005	0.01	<0.005	<0.05	0.014	8.8	<0.75	Silty Sand - dark brown	190295
BH301	4.0-4.45	3/07/18	7.2	6.2	-1	Slight	4.4	<0.005	0.02	<0.005	<0.05	0.024	15	1.1	Sand - brown, trace clay	195615
BH301	6.0-6.45	3/07/18	5.9	4.6	-1.3	Slight									Clay - grey	195615
BH301	8.0-8.45	3/07/18	6	4.6	-1.4	Moderate	4.6	<0.005	0.01	<0.005	<0.05	0.011	7.1	<0.75		
BH302	4-4.45	20/07/18	7.4	6.2	-1.2	Slight									Sand: light brown	196831
BH302	5.5-5.95	20/07/18	5.9	5	-0.9	High	3.7	<0.005	**0.09**	<0.005	<0.05	**0.089**	**56**	4.2	Sandy Clay - brown	196831
BH302	5.95-6.4	20/07/18	6	4.5	-1.5	High									Sandy Clay - brown Clay - grey mottled red	196831
BH302	7-7.45	20/07/18	5.7	4.7	-1	High									Clay - grey mottled red	196831
BH302	8-8.45	20/07/18	5.6	4.7	-0.9	Slight										
BH303	4-4.45	21/07/18	6.8	4.6	-2.2	Slight									Sand: light brown	196831
BH303	5.5-5.95	21/07/18	5.8	4.6	-1.2	High									Sandy Clay - red brown mottled grey	196831
BH303	5.95-6.4	21/07/18	5.4	4.4	-1	High										
BH303	7-7.45	21/07/18	5.6	4.8	-0.8	Moderate									Clay - red grey	196831

Table C2: Summary of Laboratory Results - Acid Sulfate Soil (continued)

Sample			Screening Tests				S_{Cr} Suite Laboratory Results									
Location	Depth	Date Sampled	pH_F	pH_{FOX}	pH_{FOX} minus pH_F	Reaction[a]	pH_{KCl}	Chromium Reducible Sulphur (S_{Cr})	Total Actual Acidity (s-TAA)	Net Acid Soluble Sulfur (s-S_{NAS})	Acid Neutralising Capacity (s-ANC BT)	Net Acidity	Net Acidity (excluding ANC)	Liming Rate (excluding ANC)	Soil Description	Lab Reference
			pH units			-	pH units	(%w/w S)					moles H+/T	kg CaCO3/T		
Investigation Levels																
ASSMAC (1998)																
Screening Indicators				<3.5	≤ -1											
Thresholds																
>1,000 tonnes, Any Texture								0.03	0.03			0.03	18			
Laboratory Results																
BH304	4-4.45	20/07/18	6.6	5.9	-0.7	Slight	5.9	<0.005	<0.01	<0.005	<0.05	<0.005	<5	<0.75	Sand - light grey	196831
BH304	5.7-5.95	20/07/18	5.7	4.5	-1.2	High									Clay - light grey mottled red	196831
BH304	7.5-7.95	20/07/18	5.7	4.6	-1.1	Vigorous	3.6	<0.005	**0.12**	<0.005	<0.05	**0.12**	**74**	5.5		
BH304	8.5-8.95	20/07/18	6	4.3	-1.7	Vigorous										
BH305	4-4.45	21/07/18	6.5	5.6	-0.9	Slight									Sand - light brown	196831
BH305	5-5.45	21/07/18	7	5.9	-1.1	Slight									Clay - red mottled orange	196831
BH305	6-6.45	21/07/18	5.6	3.6	-2	Slight										
BH306	4.5-4.95	3/07/18	6.8	4.8	-2	Slight									Sand - yellow	195615
BH306	5.5-5.95	3/07/18	5.7	3.7	-2	Slight	4	<0.005	**0.04**	<0.005	<0.05	**0.046**	**29**	2.2	Clay - orange brown	195615
BH306	7.0-7.45	3/07/18	6.3	5.1	-1.2	High										
BH306	8.5-8.95	3/07/18	6.3	5.5	-0.8	Moderate									Clay - orange brown with trace shale	195615
BH307	4-4.45	23/07/18	5.3	3.6	-1.7	Slight									Clay - grey mottled red	196831
BH307	5.5-5.95	23/07/18	5.4	4.3	-1.1	High										
BH307	7-7.45	23/07/18	5.6	4.5	-1.1	Vigorous	3.9	<0.005	**0.06**	<0.005	<0.05	**0.058**	**36**	2.7		
BH307	8.5-8.95	23/07/18	6.2	5	-1.2	High										
BH308	4.0-4.45	4/07/18	7	5.7	-1.3	Slight	5.5	<0.005	<0.01	<0.005	<0.05	<0.005	<5	<0.75	Sand - dark brown	195615
BH308	5.5-5.95	4/07/18	6.1	4.9	-1.2	Moderate									Sand/ Clay	195615
BH308	7.0-7.45	4/07/18	6.4	5.1	-1.3	High	3.6	<0.005	**0.04**	<0.005	<0.05	0.041	**25**	1.9	Clay - grey	195615
BH308	8.5-8.95	4/07/18	6	4.9	-1.1	Slight										

Table C2: Summary of Laboratory Results - Acid Sulfate Soil (continued)

Sample			Screening Tests				S_{Cr} Suite Laboratory Results									
Location	Depth	Date Sampled	pH_F	pH_{FOX}	pH_{FOX} minus pH_F	Reaction[a]	pH_{KCl}	Chromium Reducible Sulphur (S_{Cr})	Total Actual Acidity (s-TAA)	Net Acid Soluble Sulfur (s-S_{NAS})	Acid Neutralising Capacity (s-ANC BT)	Net Acidity	Net Acidity (excluding ANC)	Liming Rate (excluding ANC)	Soil Description	Lab Reference
			pH units			-	pH units	(%w/w S)					moles H+/T	kg CaCO3/T		
Investigation Levels																
ASSMAC (1998)																
Screening Indicators				<3.5	≤ -1											
Thresholds																
>1,000 tonnes, Any Texture								0.03	0.03			0.03	18			
Laboratory Results																
BH309	4.0-4.45	4/07/18	6.7	6	-0.7	Slight									Sand - white	195615
BH309	5.5-5.95	4/07/18	8.1	6.5	-1.6	Slight									Sand - white and yellow	195615
BH309	7.0-7.45	4/07/18	6.6	4.6	-2	Moderate									Clay - grey	195615
BH309	8.5-8.95	4/07/18	6	3.9	-2.1	Slight										
BH310A	4.0-4.45	3/07/18	5.6	4.2	-1.4	Slight									Clay - light grey	195615
BH310A	5.5-5.95	3/07/18	6.1	3	-3.1	Slight	4.2	<0.005	**0.03**	<0.005	<0.05	0.029	**18**	1.3		

Notes:

Blue	Sample collected from beneath water table observed during drilling
Shaded	Exceedance of ASS screening indicator
Bold	Exceedance of ASSMAC (1998) Action Criteria

Table C3: Summary of Laboratory Results - Groundwater Analysis

Sample ID	Approx. Sampling Depth	Date Sampled	Priority Heavy Metals (total dissolved)									PAH				TRH						BTEX					VOC							Total Phenols	PCB	OCP							OPP	Lab Reference
			As	Cd	Cr	Cu	Pb	**Mn**	Hg	Ni	Zn	Naphthalene	BaP	Phenanthrene	Total PAH	C_6 - C_{10}	>C_{10} - C_{16}	C6-C10 less BTEX (F1)	>C10-C16 less Naphthalene (F2)	>C16-C34	>C34-40	Benzene	Toluene	Ethylbenzene	m+p-xylene	o-xylene	Chloroform	Dibromochloromethane	Bromodichloromethane	Tetrachloroethene (PCE)	1,2,4-trimethyl benzene	2-Propanone (Acetone)	Other			Heptachlor Epoxide	alpha-Chlordane	gamma-Chlordane	Aldrin	Dieldrin	Endrin Aldehyde	Other		
	m bgl		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Groundwater Assessment Criteria (from the RAP)																																												
GIL (freshwater)			24/ 13[f]	0.2	1	1.4	3.4	1900	0.06 (0.6)	11	8	16		*0.6 (2)*								950	*180*	5	*275*	350	*370*			*70*					*0.01 (0.03)*[e]	0.01 (0.09)[g]	0.03 (0.08)		*0.001*	*0.01*	*0.01 (0.02)*[d]			
ADWG	(health-based)		10	2	50[b]	2,000	10	500	1	20			0.01									1	800	300	600		250			50	*56*[c]					0.3		2	0.3		*2.3*[c, d]			
GMRRC													0.1																	500						3		20	3					
Laboratory Results																																												
December 2017																																												
WLMW04	5	19/12/17	<1	<0.1	<1	1	<1	18	<0.05	<1	34	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001		<0.002	<0.2	182523
BD1/20171219[a]	5	19/12/17	<1	<0.1	<1	<1	<1	17	<0.05	<1	33	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001		<0.002	<0.2	182523
WLMW05	4.5	19/12/17	<1	0.2	<1	2	<1	130	<0.05	<1	310	<0.2	<0.1	<0.1	NIL(+)VE	210	<50	210	<50	<100	<100	<1	<1	<1	<2	<1	18	3	<1	150	<1		<1	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001		<0.002	<0.2	182523
WLMW06	5	21/12/17	<1	0.1	<1	3	<1	57	<0.05	<1	22	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	3	<1	<1	<1	<1		<1	<0.05	<0.01	0.012	0.011	0.009	<0.001	0.006		<0.002	<0.2	182672
March 2018																																												
WLMW101	9.5	22/03/18										<1				<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	5	<1	<1	<1	2		<1			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		188092
WLMW102	9.9	22/03/18										<1				<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	3	<1	<1	<1	1		<1			<0.001	0.001	0.003	<0.001	<0.001	0.002	<0.001		188092
WLMW102A	4.3	22/03/18										<1				<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		188092
WLMW103	9.8	22/03/18										<1				<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	2	<1	<1	<1	<1		<1			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		188092
WLMW104	8.7	22/03/18										<1				<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	2	<1	<1	<1	<1		<1			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		188092
WLMW104A	3.8	22/03/18										<1				<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	8	<1	1	<1	<1		<1			<0.001	<0.001	<0.001	<0.001	0.007	<0.001	<0.001		188092
WLMW105	5.7	20/03/18										<1				<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1		<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		187770
BD1/20180320	5.7	20/03/18										<10				40	<50	40	<50	200	<100	<1	<1	<1	<2	<1	<5	<1	<1	<1	<1	<1	<1		<1	<0.1	<1		<0.1	<0.1	<0.1	<0.1		590840
May 2018																																												
WLMW101	10.5	22/05/18	2	<0.1	<1	2	<1		<0.05	2	41	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001		<0.002	<0.2	192291
WLMW102	9.7	22/05/18	<1	<0.1	<1	<1	<1		<0.05	3	5	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	2	<1	<1	<1	<1		<1	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001		<0.002	<0.2	192291
WLMW102A	5.1	22/05/18	<1	<0.1	<1	4	<1		<0.05	<1	13	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1	<0.05	<0.01	<0.001	<0.001	<0.001	0.016	<0.001		<0.002	<0.2	192291
WLMW104	8.7	22/05/18	<1	<0.1	<1	5	1		<0.05	<1	73	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	0.002		<0.002	<0.2	192291
WLMW106A	6.3	22/05/18	1	<0.1	<1	5	<1		<0.05	<1	17	<0.2	<0.1	<0.1	NIL(+)VE	23	<50	23	<50	<100	<100	<1	<1	<1	<2	<1	31	<1	<1	<1	<1		<1	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	0.058		<0.002	<0.2	192291
BD1/20180522[a]	6.3	22/05/18	1	<0.1	<1	2	1		<0.05	<1	16	<0.2	<0.1	<0.1	NIL(+)VE	23	<50	23	<50	<100	<100	<1	<1	<1	<2	<1	31	<1	<1	<1	<1		<1	<0.05	<0.01	<0.001	<0.001	<0.001	<0.001	0.052		<0.002	<0.2	192291
BD2/20180522[a]	6.3	22/05/18	<1	<0.1	<1	1	<1		<0.1	<1	11	<1	<0.5	<0.1	NIL(+)VE	<20	<100	<20	<100	<100	<100	<1	<2	<2	<2	<2	23	<5	<5	<5	<5		<50		<1	<0.5			<0.5	<0.5	<0.5	<2		ES1814873
July 2018																																												
WLMW102A	5	11/07/18	5	<0.1	2	<1	<1		<0.05	<1	2	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1	<0.05	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	196124-B
BD1/20180711	5	11/07/18	5	<0.1	2	2	<1		<0.05	<1	3	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1	<0.05	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	196124-B
WLMW104	7	12/07/18	<1	<0.1	<1	4	<1		<0.05	<1	53	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1	<0.05	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	196124-B
WLMW105	3.5	11/07/18	<1	0.1	2	10	5		<0.05	1	17	<0.2	<0.1	<0.1	NIL(+)VE	<10	<50	<10	<50	<100	<100	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1		<1	<0.05	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	196124-B
WLMW106A	5	19/07/18	2	<0.1	1	2	<1		<0.05	<1	26	<0.2	<0.5	<0.1	NIL (+)VE	28	<50	28	<50	<100	<100	<1	<1	<1	<2	<1	24	<1	<1	<1	<1		<1	<0.05	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	196635
BD1/20180719[a]	5	19/07/18	1	<0.2	1	5	1		<0.1	<1	35	<0.01	<0.01	0.04	0.04	<20	<50	<20	<50	<100	<100	<1	<1	<1	<2	<1	25	<1	<1	<1	<1	5	<1		<1	<0.1	<1		<0.1	<0.1	<0.1	<0.1	<2/<20	608689

Notes:

a	Replicate sample of sample listed directly above
b	Threshold value for Cr (VI)
c	Screening level sourced from United States Environmental Protection Agency (USEPA), Regional Screening Levels, November 2017 (THQ=1), Tapwater
d	Threshold for endrin adopted as a screening level in absence of threshold for endrin aldehyde
e	Threshold for Arochlor 1254 as a screen
f	Given in order As(III)/ As(V)
g	Threshold for hetpachlor used as a screen
(bracket)	95% LOP provided in brackets when 99% LOP recommended due to bioaccumulation
italics	low reliability/ secondary source as detailed in the RAP
BOLD	Concentration detected at or above the PQL
Shaded	Exceeds Assessment Criteria

Acronyms:

ADWG	Australian Drinking Water Guideline
As	arsenic
BaP	benzo(a)pyrene
BTEX	benzene, toluene, ethyl benzene, total xylenes
Cd	cadmium
Cr	chromium
Cu	copper
GIL	groundwater investigation level
GMRRC	Guidelines for Managing Risk in Recreational Waters
Hg	mercury
HSL	health screening level
Mn	manganese
Ni	nickel
NL	"not limiting" to human health for the proposed land use for vapour intrusion from petroleum hydrocarbons
OCP	organochlorine pesticides
OPP	organophosphorus pesticides
PAH	polycyclic aromatic hydrocarbons
Pb	lead
PCB	polychlorinated biphenyls
PQL	practical quantitation limit
TPH	total petroleum hydrocarbons
TRH	total recoverable hydrocarbons, including total petroleum hydrocarbons (TPH)
VOC	volatile organic compounds
Zn	zinc

Table C4: Summary of Results of Soil Vapour Analysis (continued)

Sample Location	Sample ID	Date Sampled	General Gases							VOC												
			Methane (CH4)	Oxygen (O2)	Carbon Monoxide (CO)	Helium (He)	Hydrogen (H2)	Carbon dioxide (CO2)	Hydrogen sulfide (H2S)	Isopropyl Alcohol	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	trans-1,2-dichloroethene (trans-1,2-DCE)	cis-1,2-Dichloroethene (cis-1,2-DCE)	Vinyl chloride	1,1,1-Trichloroethane	1,2-Dichloroethane	Chloroethane	Carbon tetrachloride	Methylene chloride (Dichloromethane)	Chloromethane
		CAS	74-82-8		630-08-0	7440-59-7	1333-74-0			67-63-0	127-18-4	79-01-6	75-35-4	156-60-5	540-59-0	75-01-4	71-55-6	107-06-2	75-00-3	56-23-5	75-09-2	74-87-3
		PQL	%	%	%	%	%	%	ppm	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
Investigation Levels																						
Site Assessment Criteria [1]																						
HIL/HSL			-	-	-	-	-	-	-	-	8,000	80	-	-	300	100	230,000	-	-	-	-	-
Occupational Exposure Standards [2]																						
TWA			-	-	34,000	-	-	-	-	983,000	340,000	54,000	20,000	-	793,000	13,000	555,000	40,000	2,640,000	630	174,000	103,000
STEL			-	-	-	-	-	-	-	1,230,000	1,020,000	216,000	79,000	-	-	-	1,110,000	-	-	-	-	207,000
Laboratory Results																						
Samples Collected 22 March 2018																						
WLMW101	MLMW101 - CAN	22/03/18	<0.01	**20**	<0.01	<0.01	<0.01	-	-	**960**	<3.4	<2.7	<2.0	<2.0	<2.0	<1.3	<2.7	<2.0	<1.3	<3.1	<20	<1.0
WLMW102	MLMW102 - CAN	22/03/18	<0.01	**20**	<0.01	<0.01	<0.01	-	-	**20**	**5**	<2.7	<2.0	<2.0	<2.0	<1.3	**10**	<2.0	<1.3	<3.1	<20	<1.0
WLMW102A	MLMW102A - CAN	22/03/18	<0.01	**20**	<0.01	<0.01	<0.01	-	-	**160**	<3.4	<2.7	<2.0	<2.0	<2.0	<1.3	<2.7	**2**	<1.3	<3.1	<20	**6**
WLMW103	103 - CAN	22/03/18	<0.01	**20**	<0.01	<0.01	<0.01	-	-	**23,000**	**30,000**	<130	<100	<100	<100	<60	<140	<100	<70	<160	<860	<50
WLMW104	MLMW104 - CAN	22/03/18	<0.01	**16**	<0.01	<0.01	<0.01	-	-	**50**	**4**	<2.7	<2.0	<2.0	<2.0	<1.3	<2.7	**2**	<1.3	<3.1	<20	<1.0
WLMW104A	MLMW104A - CAN	22/03/18	<0.01	**21**	<0.01	<0.01	<0.01	-	-	**290**	<3.4	<2.7	<2.0	<2.0	<2.0	<1.3	<2.7	<2.0	<1.3	<3.1	<20	<1.0
WLMW105	MLMW105 - CAN	22/03/18	<0.01	**12**	<0.01	<0.01	<0.01	-	-	**320**	**9**	<2.7	<2.0	<2.0	<2.0	<1.3	**59**	<2.0	<1.3	<3.1	<20	<1.0
WLMW105	BD1 220318 - CAN	22/03/18	<0.01	**21**	<0.01	<0.01	<0.01	-	-	**360**	<3.4	<2.7	<2.0	<2.0	<2.0	<1.3	<2.7	<2.0	<1.3	<3.1	<20	<1.0
Samples Collected 23 May 2018																						
WLMW101	MLMW101 - can	23/05/18	<0.01	**21**	<0.01	<0.01	<0.01	-	-	**100**	<3.4	**3**	<2.0	<2.0	<2.0	<1.3	<2.7	<2.0	<1.3	<3.1	<20	<1.0
WLMW102	MLMW102 - can	23/05/18	<0.01	**21**	<0.01	<0.01	<0.01	-	-	**4,000**	**120**	<22	<17	<17	<17	<11	<23	<17	<11	<26	<143	<9
WLMW102A	MWMW102A - can	23/05/18	<0.01	**20**	<0.01	<0.01	<0.01	-	-	**430**	**4**	**29**	<2.0	<2.0	<2.0	<1.3	<2.7	<2.0	<1.3	<3.1	<20	<1.0
WLMW104	MLMW104 - can	23/05/18	<0.01	**21**	<0.01	<0.01	<0.01	-	-	**610**	<3.4	**4**	<2.0	<2.0	<2.0	<1.3	<2.7	<2.0	<1.3	<3.1	<20	<1.0
WLMW106A	MLMW106A - can	23/05/18	<0.01	**16**	<0.01	<0.01	<0.01	-	-	**100**	**2,800**	<22	<17	<17	<17	<11	<23	<17	<11	<26	<143	<9
WLMW106A	BD120182305 - can	23/05/18	<0.01	**15**	<0.01	<0.01	<0.01	-	-	**140**	**3,200**	<22	<17	<17	<17	<11	<23	<17	<11	<26	<143	<9
Samples Collected 12 July 2018																						
102A	102A	12/07/18	<PQL	**19.8**	<PQL	-	-	0.1	<PQL	<61	**46**	<13	<10	<10	<10	<6	<14	<10	<7	<16	<86	<5
102A	BDSV/20180712	12/07/18	-	-	-	-	-	-	-	<61	**42**	<13	<10	<10	<10	<6	<14	<10	<7	<16	**310**	<5
104	104	12/07/18	<PQL	**20.4**	<PQL	-	-	0.1	<PQL	<61	**43**	<13	<10	<10	<10	<6	<14	<10	<7	<16	**200**	<5
105	105	12/07/18	<PQL	**20.5**	<PQL	-	-	0.1	<PQL	<61	**30**	<13	<10	<10	<10	<6	<14	<10	<7	<16	**100**	<5

Notes:

-	Not Available
Bold	Concentration above PQL
Red	Exceedance of HSL
Shaded	Exceedance of TWA/STEL
1	NEPM, 2013
2	SafeWork Australia, 2018 Hazardous Chemical Information System (HCIS)
3	General gases in the March and May 2018 SVME were analysed at the laboratory. In the July 2018 SVME the general gases were recorded on site using a calibrated GA5000

Table C4: Summary of Results of Soil Vapour Analysis (continued)

Sample Location	Sample ID	VOC																				
		Chloroform	Bromodichloromethane	Dibromochloromethane	Benzene	Toluene	Ethylbenzene	m-& p-Xylene	o-Xylene	4-ethyl toluene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3-Dichlorobenzene	Carbon Disulfide	Styrene	Propylene	Cyclohexane	Hexane	Heptane	Ethanol	Acetone	MTBE
		67-66-3	75-27-4	124-48-1	71-43-2	108-88-3	100-41-4		95-47-6	622-96-8	108-67-8	95-63-6	541-73-1	75-15-0	100-42-5	115-07-1	110-82-7	110-54-3	142-82-5	64-17-5	67-64-1	1634-04-4
		µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
Investigation Levels																						
Site Assessment Criteria [1]																						
HIL/HSL		-	-	-	4,000	4,800,000	1,300,000	840,000		-	-	-	-	-	-	-	-	-	-	-	-	-
Occupational Exposure Standards [2]																						
TWA		10,000	-	-	3,200	191,000	434,000	350,000		-	-	-	-	31,000	213,000	-	350,000	72,000	1,640,000	1,880,000	1,185,000	92,000
STEL		-	-	-	-	574,000	543,000	655,000		-	-	-	-	-	426,000	-	1,050,000	-	2,050,000	-	2,375,000	275,000
Laboratory Results																						
Samples Collected 22 March 2018																						
WLMW101	MLMW101 - CAN	**87**	<3.4	<1.6	**3**	**56**	**10**	**30**	**10**	**5**	**10**	**10**	<3.0	**140**	**20**	**79**	<1.7	**19**	**6**	**20**	**100**	<1.8
WLMW102	MLMW102 - CAN	<2.4	<3.4	<1.6	**2**	**73**	**7**	**10**	**4**	<2.5	<2.5	**4**	<3.0	**19**	**20**	**6**	<1.7	**20**	**3**	**20**	**20**	<1.8
WLMW102A	MLMW102A - CAN	**80**	**10**	<1.6	**3**	**110**	**10**	**20**	**7**	<2.5	**4**	**5**	<3.0	**64**	**20**	**29**	<1.7	**19**	**5**	**20**	**100**	<1.8
WLMW103	103 - CAN	<120	<170	<80	<80	<90	<110	<220	<110	<120	<120	<120	<150	**370**	<110	<43	<90	<90	<100	<45	<600	<90
WLMW104	MLMW104 - CAN	**51**	**6**	<1.6	<1.6	**66**	**8**	**30**	**9**	<2.5	<2.5	**3**	<3.0	**10**	**3**	**9**	<1.7	**7**	**2**	**10**	**20**	<1.8
WLMW104A	MLMW104A - CAN	<2.4	<3.4	<1.6	<1.6	**26**	**5**	**10**	**4**	<2.5	**3**	**4**	<3.0	<1.6	**8**	**3**	<1.7	**2**	<2.0	**10**	**30**	<1.8
WLMW105	MLMW105 - CAN	**49**	<3.4	<1.6	**3**	**49**	**6**	**20**	**7**	**5**	**10**	**10**	<3.0	**36**	**7**	**27**	<1.7	**3**	**3**	**20**	**40**	<1.8
WLMW105	BD1 220318 - CAN	**3**	<3.4	<1.6	<1.6	**36**	**7**	**20**	**6**	<2.5	**4**	**5**	<3.0	<1.6	**10**	**4**	<1.7	**4**	<2.0	**10**	**30**	<1.8
Samples Collected 23 May 2018																						
WLMW101	MLMW101 - can	**20**	<3.4	<1.6	**2**	**120**	**5**	**20**	**6**	<2.5	<2.5	**4**	<3.0	**35**	**8**	**6**	**5**	**6**	**3**	<9	**20**	<1.8
WLMW102	MLMW102 - can	**26**	<28	<14	<13	<16	<18	<36	<18	<20	<20	<20	<25	**64**	<18	**42**	<14	<15	<17	<80	<99	<15
WLMW102A	MWMW102A - can	<2.4	<3.4	<1.6	**3**	**10**	**8**	**30**	**8**	<2.5	<2.5	**5**	<3.0	**10**	**10**	**4**	**26**	**7**	**22**	<9	**30**	<1.8
WLMW104	MLMW104 - can	**4**	<3.4	<1.6	**2**	**20**	**5**	**20**	**7**	<2.5	<2.5	**3**	<3.0	<1.6	**5**	**4**	**3**	**4**	**2**	<9	**40**	<1.8
WLMW106A	MLMW106A - can	**320**	<28	<14	<13	**31**	<18	<36	<18	<20	<20	<20	<25	**28**	<18	**28**	<14	<15	<17	<80	<99	<15
WLMW106A	BD120182305 - can	**260**	<28	<14	<13	**24**	<18	<36	<18	<20	<20	<20	<25	**25**	<18	**23**	<14	<15	<17	<80	<99	<15
Samples Collected 12 July 2018																						
102A	102A	<12	<17	<8	**110**	**1,100**	**65**	**140**	**79**	<12	<12	<12	<15	**10**	<11	**14**	**390**	**1,100**	**250**	<47	<59	<9
102A	BDSV/20180712	<12	<17	<8	**100**	**990**	**61**	**130**	**71**	<12	<12	<12	<15	**10**	<11	**17**	**430**	**1,000**	**240**	<47	**60**	<9
104	104	<12	<17	<8	**120**	**980**	**63**	**140**	**82**	<12	<12	<12	<15	**10**	<11	**18**	**430**	**1,000**	**250**	<47	**60**	<9
105	105	<12	<17	<8	**89**	**760**	**50**	**110**	**60**	<12	<12	<12	<15	**9**	<11	**14**	**340**	**840**	**200**	<47	<59	<9

Notes:

-	Not Available
Bold	Concentration above P
Red	Exceedance of HSL
Shaded	Exceedance of TWA/S
1	NEPM, 2013
2	SafeWork Australia, 2(
3	General gases in the M

Table C4: Summary of Results of Soil Vapour Analysis (continued)

Sample Location	Sample ID	VOC																		
		Naphthalene	Tetrahydrofuran	MEK	Vinyl Acetate	Ethyl Acetate	MIBK	1,2-Dichloropropane	Dichlorodifluoromethane	Trichlorofluoromethane (Freon 11)	1,2-Dichlorotetrafluoroethane	1,3-Butadiene	Bromomethane	Acrolein	1,1,2-Trichlorotrifluoroethane	1,4-Dioxane	Methyl Methacrylate	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,1- Dichloroethane	1,1,2-Trichloroethane	Methyl Butyl Ketone
		91-20-3	109-99-9	78-93-3	108-05-4	141-78-6	108-10-1	78-87-5	75-71-8	75-69-4	76-14-2	106-99-0	74-83-9	107-02-8	76-13-1	123-91-1	80-62-6	10061-01-5	10061-02-6	75-34-3	79-00-5	591-78-6
		µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
Investigation Levels																				
Site Assessment Criteria [1]																				
HIL/HSL		3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Occupational Exposure Standards [2]																				
TWA		52,000	295,000	445,000	35,000	720,000	205,000	347,000	4,950,000	5,620,000	6,990,000	22,000	19,000	230	7,670,000	36,000	208,000	-	-	412,000	55,000	20,000
STEL		79,000	-	890,000	70,000	1,440,000	307,000	508,000	-	-	-	-	-	690	9,590,000	-	416,000	-	-	-	-	-
Laboratory Results																				
Samples Collected 22 March 2018																				
WLMW101	MLMW101 - CAN	<2.6	**6**	<1.5	<1.8	**3**	**4**	<2.3	**3**	<2.8	<2.5	<1.1	<1.9	<1.1	<3.8	<1.8	<2.0	<2.3	<2.3	<2.0	<2.7	<2.0
WLMW102	MLMW102 - CAN	<2.6	**4**	<1.5	<1.8	**3**	**3**	<2.3	**3**	**20**	<2.5	<1.1	<1.9	<1.1	<3.8	<1.8	<2.0	<2.3	<2.3	<2.0	<2.7	<2.0
WLMW102A	MLMW102A - CAN	<2.6	**10**	<1.5	<1.8	**5**	**4**	<2.3	**3**	<2.8	<2.5	<1.1	<1.9	<1.1	<3.8	<1.8	<2.0	<2.3	<2.3	<2.0	<2.7	<2.0
WLMW103	103 - CAN	<130	<75	<70	<90	<90	<100	<120	<120	**860**	<120	<60	<90	<60	<200	<90	<100	<110	<110	<100	<140	<100
WLMW104	MLMW104 - CAN	<2.6	**5**	<1.5	<1.8	**3**	<2.0	<2.3	**3**	**9**	<2.5	<1.1	<1.9	<1.1	<3.8	<1.8	<2.0	<2.3	<2.3	<2.0	<2.7	<2.0
WLMW104A	MLMW104A - CAN	<2.6	**4**	<1.5	<1.8	<1.8	<2.0	<2.3	**3**	<2.8	<2.5	<1.1	<1.9	<1.1	<3.8	<1.8	<2.0	<2.3	<2.3	<2.0	<2.7	<2.0
WLMW105	MLMW105 - CAN	<2.6	**64**	<1.5	<1.8	**3**	<2.0	<2.3	**4**	**4**	<2.5	<1.1	<1.9	<1.1	<3.8	<1.8	<2.0	<2.3	<2.3	<2.0	<2.7	<2.0
WLMW105	BD1 220318 - CAN	<2.6	**5**	<1.5	<1.8	**2**	<2.0	<2.3	**3**	<2.8	<2.5	<1.1	<1.9	<1.1	<3.8	<1.8	<2.0	<2.3	<2.3	<2.0	<2.7	<2.0
Samples Collected 23 May 2018																				
WLMW101	MLMW101 - can	<2.6	<1.5	<1.5	<1.8	<1.8	**3**	<2.3	**3**	<2.8	<2.5	<1.1	<1.9	<1.1	<3.8	<1.8	<2.0	<2.3	<2.3	<2.0	<2.7	<2.0
WLMW102	MLMW102 - can	<22	<12	<12	<15	<15	<17	<19	<21	<23	<21	<9	<16	<10	<32	<15	<17	<19	<19	<17	<23	<17
WLMW102A	MWMW102A - can	<2.6	<1.5	<1.5	<1.8	<1.8	**4**	<2.3	<2.5	**6**	<2.5	<1.1	<1.9	<1.1	<3.8	<1.8	<2.0	<2.3	<2.3	<2.0	<2.7	<2.0
WLMW104	MLMW104 - can	<2.6	<1.5	<1.5	<1.8	<1.8	<2.0	<2.3	**3**	<2.8	<2.5	<1.1	<1.9	<1.1	<3.8	<1.8	<2.0	<2.3	<2.3	<2.0	<2.7	<2.0
WLMW106A	MLMW106A - can	<22	<12	<12	<15	<15	<17	<19	<21	**100**	<21	<9	<16	<10	<32	<15	<17	<19	<19	<17	<23	<17
WLMW106A	BD120182305 - can	<22	<12	<12	<15	<15	<17	<19	<21	**110**	<21	<9	<16	<10	<32	<15	<17	<19	<19	<17	<23	<17
Samples Collected 12 July 2018																				
102A	102A	<13	<7	<7	<9	<9	<10	<12	<12	<14	<12	<6	<9	<6	<19	<9	<10	<11	<11	<10	<14	<10
102A	BDSV/20180712	<13	<7	<7	<9	<9	<10	<12	<12	<14	<12	<6	<9	<6	<19	<9	<10	<11	<11	<10	<14	<10
104	104	<13	<7	<7	<9	<9	<10	<12	<12	<14	<12	<6	<9	<6	<19	<9	<10	<11	<11	<10	<14	<10
105	105	<13	<7	<7	<9	<9	<10	<12	<12	<14	<12	<6	<9	<6	<19	<9	<10	<11	<11	<10	<14	<10

Notes:

-	Not Available
Bold	Concentration above P
Red	Exceedance of HSL
Shaded	Exceedance of TWA/S
1	NEPM, 2013
2	SafeWork Australia, 2
3	General gases in the M

Table C4: Summary of Results of Soil Vapour Analysis (continued)

Sample Location	Sample ID	VOC									Lab Reference
		1,2-Dibromoethane	Chlorobenzene	Bromoform	1,1,2,2-Tetrachloroethane	Benzyl chloride	1,4-Dichlorobenzene	1,2-Dichlorobenzene	1,2,4-Trichlorobenzene	Hexachloro-1,3-butadiene	
		106-93-4	108-90-7	75-25-2	79-34-5	100-44-7	106-46-7	95-50-1	120-82-1	87-68-3	
		µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	
Investigation Levels											
Site Assessment Criteria [1]											
HIL/HSL		-	-	-	-	-	-	-	-	-	
Occupational Exposure Standards [2]											
TWA		-	46,000	5,200	6,900	5,200	150,000	150,000	37,000	210	
STEL		-	-	-	-	-	300,000	301,000	-	-	
Laboratory Results											
Samples Collected 22 March 2018											
WLMW101	MLMW101 - CAN	<3.8	<2.3	<5.2	<3.4	<2.6	<3.0	<3.0	<3.7	<5.3	187858
WLMW102	MLMW102 - CAN	<3.8	<2.3	<5.2	<3.4	<2.6	<3.0	<3.0	<3.7	<5.3	187858
WLMW102A	MLMW102A - CAN	<3.8	<2.3	<5.2	<3.4	<2.6	<3.0	<3.0	<3.7	<5.3	187858
WLMW103	103 - CAN	<190	<120	<260	<170	<130	<150	<150	<190	<270	187858
WLMW104	MLMW104 - CAN	<3.8	<2.3	<5.2	<3.4	<2.6	<3.0	<3.0	<3.7	<5.3	187858
WLMW104A	MLMW104A - CAN	<3.8	<2.3	<5.2	<3.4	<2.6	<3.0	<3.0	<3.7	<5.3	187858
WLMW105	MLMW105 - CAN	<3.8	<2.3	<5.2	<3.4	<2.6	<3.0	<3.0	<3.7	<5.3	187858
WLMW105	BD1 220318 - CAN	<3.8	<2.3	<5.2	<3.4	<2.6	<3.0	<3.0	<3.7	<5.3	187858
Samples Collected 23 May 2018											
WLMW101	MLMW101 - can	<3.8	<2.3	<5.2	<3.4	<2.6	<3.0	<3.0	<3.7	<5.3	192428
WLMW102	MLMW102 - can	<32	<19	<43	<29	<22	<25	<25	<31	<44	192428
WLMW102A	MWMW102A - can	<3.8	<2.3	<5.2	<3.4	<2.6	<3.0	<3.0	<3.7	<5.3	192428
WLMW104	MLMW104 - can	<3.8	<2.3	<5.2	<3.4	<2.6	<3.0	<3.0	<3.7	<5.3	192428
WLMW106A	MLMW106A - can	<32	<19	<43	<29	<22	<25	<25	<31	<44	192428
WLMW106A	BD120182305 - can	<32	<19	<43	<29	<22	<25	<25	<31	<44	192428
Samples Collected 12 July 2018											
102A	102A	<19	<12	<26	<17	<13	<15	<15	<19	<27	196137
102A	BDSV/20180712	<19	<12	<26	<17	<13	<15	<15	<19	<27	196137
104	104	<19	<12	<26	<17	<13	<15	<15	<19	<27	196137
105	105	<19	<12	<26	<17	<13	<15	<15	<19	<27	196137

Notes:

-	Not Available
Bold	Concentration above P
Red	Exceedance of HSL
Shaded	Exceedance of TWA/S
1	NEPM, 2013
2	SafeWork Australia, 2
3	General gases in the M

Appendix F

Quality Assurance/ Quality Control

DATA QUALITY ASSESSMENT

Q1. Data Quality Objectives

The report on Validation of Remediation was prepared with reference to the seven step data quality objective (DQO) process which is provided in Appendix B, Schedule B2 of the *National Environment Protection (Assessment of Site Contamination) Measure* 1999 as amended 2013 (NEPC, 2013). The DQO process is outlined as follows:

- Stating the Problem;
- Identifying the Decision;
- Identifying Inputs to the Decision;
- Defining the Boundary of the Assessment;
- Developing a Decision Rule;
- Specifying Acceptable Limits on Decision Errors; and
- Optimising the Design for Obtaining Data.

The DQOs have been addressed within the report as shown in Table Q1.

Table Q1: Data Quality Objectives

Data Quality Objective	Report Section Where Addressed
State the Problem	S1 Introduction
Identify the Decision	S1 Introduction S11 Site Suitability Conclusions and Recommendations
Identify Inputs to the Decision	S1 Introduction S2 Previous Reports and Site Information S4 Remediation and Validation Methodology S5 Assessment Criteria S7 Spoil Management and Disposal S8 Validation Results
Define the Boundary of the Assessment	S1 Introduction Site Drawings - Appendix A
Develop a Decision Rule	S5 Assessment Criteria
Specify Acceptable Limits on Decision Errors	S7 Spoil Management and Disposal S5 Assessment Criteria QA/QC Procedures and Results – Sections Q2, Q3
Optimise the Design for Obtaining Data	S1 Introduction S2 Previous Reports and Site Information S4 Remediation and Validation Methodology QA/QC Procedures and Results – Sections Q2, Q3

Q2. FIELD AND LABORATORY QUALITY CONTROL

The field and laboratory quality control (QC) procedures and results are summarised in Tables Q2 and Q3. Reference should be made to the fieldwork and analysis procedures in Section 4.

Table Q2: Field QC

Item	Frequency	Acceptance Criteria	Achievement
Intra-laboratory replicates	5% primary samples	RPD <30% inorganics), <50% (organics)	yes[1]
Inter-laboratory replicates	5% primary samples	RPD <30% inorganics), <50% (organics)	yes[2]
Trip Spikes	1 per field batch	60-140% recovery	no[3]
Trip Blanks	1 per field batch	<PQL/LOR	no[3]

NOTES:
1 qualitative assessment of RPD results overall; refer Section Q2.1
2 qualitative assessment of RPD results overall; refer Section Q2.2
3 trip spike and blanks not taken at required frequency. Analysed trip spikes and trip blanks were within acceptance criteria

Table Q3: Laboratory QC

Item	Frequency	Acceptance Criteria	Achievement
Analytical laboratories used	Envirolab Services; Eurofins MGT; and ALS Environmental	NATA accreditation	yes
Holding times	Metals (except mercury & hexavalent chromium) – 6 months Mercury & hexavalent chromium – 28 days TRH & BTEX – 14 days PAH – 14 days OCP & OPP – 14 days PCB – 28 days Total Phenols – 14 days VOC – 7 days	In accordance with NEPC (2013) which references various Australian and international standards	yes
Laboratory / Reagant Blanks	1 per lab batch	<PQL	yes
Laboratory duplicates	10% primary samples	Laboratory specific [1]	yes
Matrix Spikes	1 per lab batch	70-130% recovery (inorganics); 60-140% (organics); 10-140% (SVOC, speciated phenols)	yes
Surrogate Spikes	organics by GC	70-130% recovery (inorganics); 60-140% (organics); 10-140% (SVOC, speciated phenols)	yes

NOTES:
1 ELS: <5xPQL – any RPD; >5xPQL – 0-50%RPD
Mgt: <10xPQL – any RPD; 10-20xPQL – 0-50%RDP; >20xPQL – 0-30%RPD

In summary, the QC data is considered to be of sufficient quality to be acceptable for the assessment.

Q2.1 Intra-Laboratory Replicates

Intra-laboratory replicates were analysed as an internal check of the reproducibility within the primary laboratory ELS and as a measure of consistency of sampling techniques. The comparative results of analysis between original and intra-laboratory replicate samples are summarised in Table Q4.

Note that, where both samples are below LOR/PQL the difference and RPD has been given as zero. Where one sample is reported below LOR/PQL, but a concentration is reported for the other, the LOR/PQL value has been used for calculation of the RPD for the less than LOR/PQL sample.

Table QA1: Relative Percentage Difference Results – Intra-laboratory Replicates

			Metals								TRH						BTEX							PAH		
			Arsenic	Cadmium	Total Chromium	Copper	Lead	Mercury (inorganic)	Nickel	Zinc	TRH C6 - C10	TRH >C10-C16	F1 ((C6-C10)-BTEX)	F2 (>C10-C16 less Naphthalene)	F3 (>C16-C34)	F4 (>C34-C40)	Benzene	Benzene	Toluene	Toluene	Ethylbenzene	Ethylbenzene	Total Xylenes	Naphthalene [b]	Benzo(a)pyrene (BaP)	Total PAHs
Sample ID	Depth	Sampled Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	MG/KG	mg/kg	MG/KG	mg/kg	MG/KG	mg/kg	mg/kg	mg/kg	mg/kg
BD1/20170118	0m	18/01/2018	<4	<0.4	7	44	82	0.1	5	130	<25	<50	<25	<50	350	140	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.3	3.1
WLSPD.1	0m	18/01/2018	<4	<0.4	9	32	150	0.2	8	250	<25	<50	<25	<50	190	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.2	2.7
		Difference	0	0	2	12	68	0.1	3	120	0	0	0	0	160	40	0	-	0	-	0	-	0	0	0.09999999999999998	0.3999999999999999
		RPD	0%	0%	25%	32%	59%	67%	46%	63%	0%	0%	0%	0%	59%	33%	0%	-	0%	-	0%	-	0%	0%	40%	14%
BD1/20180208	0m	08/02/2018	<4	<0.4	7	130	270	0.2	11	400	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.3	3.1
WLSPL-1	0m	08/02/2018	<4	<0.4	6	99	230	0.2	11	900	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.2	2.2
		Difference	0	0	1	31	40	0	0	500	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0.09999999999999998	0.8999999999999999
		RPD	0%	0%	15%	27%	16%	0%	0%	77%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	40%	34%
BD1/20180223	0m	23/02/2018	<4	<0.4	10	20	160	0.3	6	220	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.63	9
WLSPR.1	0m	23/02/2018	<4	<0.4	6	20	170	0.3	3	230	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.3	3.6
		Difference	0	0	4	0	10	0	3	10	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0.33	5.4
		RPD	0%	0%	50%	0%	6%	0%	67%	4%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	71%	86%
BD1/20180130	0m	30/01/2018	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
WLSPJ.1	0m	30/01/2018	NT	NT	NT	NT	NT	NT	NT	NT	<25	<50	<25	<50	350	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	NT	NT
		Difference	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		RPD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BD1/20180130	0m	30/01/2018	NT	NT	NT	NT	NT	NT	NT	NT	<25	NT	<25	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	<1	NT	NT
WLSPJ.1	0m	30/01/2018	NT	NT	NT	NT	NT	NT	NT	NT	<25	<50	<25	<50	350	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	NT	NT
		Difference	-	-	-	-	-	-	-	-	0	-	0	-	-	-	0	-	0	-	0	-	0	0	-	-
		RPD	-	-	-	-	-	-	-	-	0%	-	0%	-	-	-	0%	-	0%	-	0%	-	0%	0%	-	-
BD2/20180130	0m	30/01/2018	NT	NT	NT	NT	NT	NT	NT	NT	<25	NT	<25	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	<1	NT	NT
WLSPH.1	0m	30/01/2018	NT	NT	NT	NT	NT	NT	NT	NT	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	NT	NT
		Difference	-	-	-	-	-	-	-	-	0	-	0	-	-	-	0	-	0	-	0	-	0	0	-	-
		RPD	-	-	-	-	-	-	-	-	0%	-	0%	-	-	-	0%	-	0%	-	0%	-	0%	0%	-	-
BD1/20180212	0m		6	1	15	290	1800	0.7	9	950	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	1.2	12
WLSPQ.1	0m		7	1	10	260	1000	0.6	10	820	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	1.1	12
		Difference	1	0	5	30	800	999999999999	1	130	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0.09999999999999987	0
		RPD	15%	0%	40%	11%	57%	15%	11%	15%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	9%	0%
BD1/20180320	0m	20 Mar 2018	2	<0.4	10	NT	8.6	<0.1	<5	NT	NT	NT	NT	NT	NT	NT	NT	<0.1	NT	<0.1	NT	<0.1	<0.1	NT	NT	NT
WLPLSP2-1	0m	20/03/2018	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
		Difference	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		RPD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Table QA1: Relative Percentage Difference Results – Intra-laboratory Replicates

BD1/20180416	0m	16/04/2018	8	<0.4	8	29	13	<0.1	14	59	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
WLPLSP4-1	0m	16/04/2018	7	<0.4	8	32	15	<0.1	15	66	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	1	0	0	3	2	0	1	7	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0
		RPD	13%	0%	0%	10%	14%	0%	7%	11%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	0%
BD1/20180503	0m	03/05/2018	5	<0.4	9	100	13	<0.1	12	70	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
WLSP5-1	0m	03/05/2018	11	<0.4	11	44	25	<0.1	11	49	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	6	0	2	56	12	0	1	21	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0
		RPD	75%	0%	20%	78%	63%	0%	9%	35%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	0%
BD1/20180507	0m	07/05/2018	11	<0.4	10	44	11	<0.1	9	77	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	0.3
WLSP6-4	0m	07/05/2018	4	<0.4	8	97	9	<0.1	7	49	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	0.2
		Difference	7	0	2	53	2	0	2	28	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0.09999999999999998
		RPD	93%	0%	22%	75%	20%	0%	25%	44%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	40%
BD1/20180511	0m	11/05/2018	<4	<0.4	13	19	10	<0.1	9	21	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	0.3
WLSP7-1	0m	11/05/2018	<4	<0.4	14	23	10	<0.1	9	22	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	0	0	1	4	0	0	0	1	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0.25
		RPD	0%	0%	7%	19%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	143%
BD1/20180518	0m	18/05/2018	<4	<0.4	11	29	16	<0.1	8	38	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.08	0.4
WLSP8-1	0m	18/05/2018	<4	<0.4	10	56	17	<0.1	8	35	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	0.1
		Difference	0	0	1	27	1	0	0	3	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0.03	0.30000000000000004
		RPD	0%	0%	10%	64%	6%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	46%	120%
BD1/20180525	0m	25/05/2018	<4	<0.4	8	22	15	<0.1	6	38	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.06	0.3
WLSP9-1	0m	25/05/2018	4	<0.4	11	31	15	<0.1	8	44	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.08	0.5
		Difference	0	0	3	9	0	0	2	6	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0.020000000000000004	0.2
		RPD	0%	0%	32%	34%	0%	0%	29%	15%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	29%	50%
BD1/20180601	0m	01/06/2018	6	<0.4	11	34	12	<0.1	9	33	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
WLSP10-2	0m	01/06/2018	5	<0.4	8	32	10	<0.1	7	29	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	1	0	3	2	2	0	2	4	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0
		RPD	18%	0%	32%	6%	18%	0%	25%	13%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	0%
BD2/20180601	0m	01/06/2018	<4	<0.4	11	19	15	<0.1	6	23	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.1	0.72
WLSP11-1	0m	01/06/2018	<4	<0.4	8	8	13	<0.1	3	14	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.1	1.4
		Difference	0	0	3	11	2	0	3	9	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0.6799999999999999
		RPD	0%	0%	32%	81%	14%	0%	67%	49%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	64%
BD1/20180615	0m	15/06/2018	<4	<0.4	8	23	9	<0.1	7	25	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.06	0.3
WLSP12-1	0m	15/06/2018	<4	<0.4	9	20	12	<0.1	6	25	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.06	0.3
		Difference	0	0	1	3	3	0	1	0	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0
		RPD	0%	0%	12%	14%	29%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	0%
BD1/20180622	0m	22/06/2018	<4	<0.4	8	36	9	<0.1	5	30	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.05	0.2
WLSP13-1	0m	22/06/2018	4	<0.4	6	13	12	<0.1	3	14	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	0	0	2	23	3	0	2	16	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0.15000000000000002
		RPD	0%	0%	29%	94%	29%	0%	50%	73%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	120%
BD2/20180622	0m	22/06/2018	<4	<0.4	6	7	19	0.1	4	28	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.09	0.82
WLSP14-1	0m	22/06/2018	<4	<0.4	6	5	11	<0.1	4	20	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.1	1.1
		Difference	0	0	0	2	8	0	0	8	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0.010000000000000009	0.28000000000000014
		RPD	0%	0%	0%	33%	53%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	11%	29%

Table QA1: Relative Percentage Difference Results – Intra-laboratory Replicates

BD1/20180629	0m	29/06/2018	<4	<0.4	7	9	12	<0.1	5	20	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.2	2.1
WLSP15-1	0m	29/06/2018	<4	<0.4	8	17	11	<0.1	5	19	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.1	1.4
		Difference	0	0	1	8	1	0	0	1	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0.1	0.7000000000000002
		RPD	0%	0%	13%	62%	9%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	67%	40%

BD2/20180629	0m	29/06/2018	8	<0.4	7	20	15	<0.1	3	17	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
WLSP16-1	0m	29/06/2018	4	<0.4	6	21	15	<0.1	4	17	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	4	0	1	1	0	0	1	0	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0
		RPD	67%	0%	15%	5%	0%	0%	29%	0%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	0%

BD1/20180704	0m	04/07/2018	<4	<0.4	11	16	10	<0.1	10	39	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
WLSP17-1	0m	04/07/2018	<4	<0.4	10	11	21	<0.1	5	40	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.06	0.4
		Difference	0	0	1	5	11	0	5	1	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0.009999999999999995	0.35000000000000003
		RPD	0%	0%	10%	37%	71%	0%	67%	3%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	18%	156%

BD2/20180704	0m	04/07/2018	<4	<0.4	8	16	24	<0.1	6	40	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.1	1.4
WLSP18-1	0m	04/07/2018	<4	<0.4	8	15	34	<0.1	6	50	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.2	2.7
		Difference	0	0	0	1	10	0	0	10	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0.1	1.3000000000000003
		RPD	0%	0%	0%	6%	34%	0%	0%	22%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	67%	63%

BD3/20180725	0m	25/07/2018	8	<0.4	7	30	14	<0.1	16	89	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
WLSP25-1	0m	25/07/2018	4	<0.4	7	26	12	<0.1	12	60	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	4	0	0	4	2	0	4	29	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0
		RPD	67%	0%	0%	14%	15%	0%	29%	39%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	0%

BD1/20180725	0m	25/07/2018	4	<0.4	7	20	15	<0.1	6	37	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
WLSP27-1	0m	25/07/2018	<4	<0.4	8	38	14	<0.1	9	44	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	0	0	1	18	1	0	3	7	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0
		RPD	0%	0%	13%	62%	7%	0%	40%	17%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	0%

BD1/20180528	0m	28/05/2018	<4	<0.4	7	14	58	0.2	5	89	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.1	0.3	2.8
WLBH211	0.4 - 0.5m	28/05/2018	<4	<0.4	8	40	180	0.7	4	260	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.2	2.4
		Difference	0	0	1	26	122	999999999999	1	171	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0.09999999999999998	0.3999999999999999
		RPD	0%	0%	13%	96%	103%	111%	22%	98%	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	40%	15%

BD1/20180511	0m	11/05/2018	<4	<0.4	7	120	82	<0.1	3	30	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	<0.1	0.2	2.2
WLMW106	0.9 - 1m	11/05/2018	<4	<0.4	8	96	78	<0.1	2	39	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	0.07	0.4
		Difference	0	0	1	24	4	0	1	9	-	-	-	-	-	-	0	-	0	-	0	-	0	0	0.13	1.8000000000000003
		RPD	0%	0%	13%	22%	5%	0%	40%	26%	-	-	-	-	-	-	0%	-	0%	-	0%	-	0%	0%	96%	138%

BD1/20180430	0m	30/04/2018	<4	<0.4	<1	<1	<1	<0.1	<1	<1	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	<0.1	<0.05	<0.05
BH203	2 - 2.1m	30/04/2018	<4	<0.4	<1	<1	<1	<0.1	<1	<1	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	0	0	0	0	0	0	0	0	-	-	-	-	-	-	0	-	0	-	0	-	0	0	0	0
		RPD	0%	0%	0%	0%	0%	0%	0%	0%	-	-	-	-	-	-	0%	-	0%	-	0%	-	0%	0%	0%	0%

BD2/20180501	0m	01/05/2018	<4	<0.4	3	4	90	<0.1	1	32	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	<0.1	0.08	0.88
WLBH207	1.5 - 1.6m	01/05/2018	<4	<0.4	3	1	8	<0.1	<1	20	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	<0.1	<0.05	<0.05
		Difference	0	0	0	3	82	0	0	12	-	-	-	-	-	-	0	-	0	-	0	-	0	0	0.03	0.83
		RPD	0%	0%	0%	120%	167%	0%	0%	46%	-	-	-	-	-	-	0%	-	0%	-	0%	-	0%	0%	46%	178%

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Table QA1: Relative Percentage Difference Results – Intra-laboratory Replicates

BD1/20180501	0m	01/05/2018	<4	<0.4	4	1	5	<0.1	<1	11	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	<0.1	<0.05	<0.05
WLBH207	1.5 - 1.6m	01/05/2018	<4	<0.4	3	1	8	<0.1	<1	20	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	<0.1	<0.05	<0.05
		Difference	0	0	1	0	3	0	0	9	-	-	-	-	-	-	0	-	0	-	0	-	0	0	0	0
		RPD	0%	0%	29%	0%	46%	0%	0%	58%	-	-	-	-	-	-	0%	-	0%	-	0%	-	0%	0%	0%	0%
BD2/20180501	0m	01-May-18 15:00	<5	<1	2	<5	<5	<0.1	<2	<5	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<0.5	NT	<0.5	<1	<0.5	NT
WLBH207	1.5 - 1.6m	01/05/2018	<4	<0.4	3	1	8	<0.1	<1	20	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	<0.1	<0.05	<0.05
		Difference	0	0	1	4	3	0	0	15	-	-	-	-	-	-	0	-	0	-	0	-	0	0	0	-
		RPD	0%	0%	40%	133%	46%	0%	0%	120%	-	-	-	-	-	-	0%	-	0%	-	0%	-	0%	0%	0%	-
BD2/20180504	0m	04/05/2018	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	NT	NT	NT
BH01-W	1.9 - 2m	04/05/2018	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	NT	NT	NT
		Difference	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	0	-	0	-	0	-	-	-
		RPD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	0%	-	0%	-	0%	-	-	-
B01/20180502	0m	02-May-18 15:00	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<0.5	NT	<0.5	<1	NT	NT
BH01-S	1.6 - 1.70000000000	02/05/2018	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	<0.2	NT	<0.5	NT	<1	NT	<1	NT	NT	NT
		Difference	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	0	-	0	-	0	-	-	-
		RPD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	0%	-	0%	-	0%	-	-	-
BD1/20180524	0m	24/05/2018	<4	<0.4	3	<1	2	<0.1	2	18	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
WLA3-1	0m	24/05/2018	<4	<0.4	3	<1	2	<0.1	1	19	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0
		RPD	0%	0%	0%	0%	0%	0%	67%	5%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	0%
BD1/20180824	0m	24/08/2018	<4	<0.4	7	3	7	<0.1	<1	5	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
WLBV-1	0m	24/08/2018	<4	<0.4	5	4	8	<0.1	<1	4	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	0	0	2	1	1	0	0	1	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0
		RPD	0%	0%	33%	29%	13%	0%	0%	22%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	0%
BD1/20180906	0m	06/09/2018	12	<0.4	5	18	12	<0.1	<1	<1	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
WLPL-1	0m	06/09/2018	10	<0.4	5	22	12	<0.1	3	3	<25	<50	<25	<50	<100	<100	<0.2	NT	<0.5	NT	<1	NT	<1	<1	<0.05	<0.05
		Difference	2	0	0	4	0	0	2	2	0	0	0	0	0	0	0	-	0	-	0	-	0	0	0	0
		RPD	18%	0%	0%	20%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	-	0%	-	0%	-	0%	0%	0%	0%

The calculated RPD values were within the acceptable range of ± 30 for inorganic analytes and ± 50% for organics with the with the exception of those in bold. However, this is not considered to be significant because:

- The typically low actual differences in the concentrations of the replicate pairs where some RPD exceedances occurred. High RPD values reflect the small differences between two small numbers;
- The number of replicate pairs being collected from fill soils which were heterogeneous in nature;
- Soil replicates, rather than homogenised soil duplicates, were used to minimise the risk of possible volatile loss, hence greater variability can be expected;
- Most of the recorded concentrations being relatively close to the LOR/PQL. High RPD values reflect the low concentrations;
- The majority of RPDs within a replicate pair being within the acceptable limits; and
- All other QA/QC parameters met the DQIs.

Overall, the intra-laboratory replicate comparisons indicate that the sampling techniques were generally consistent and repeatable.

Q3. Data Quality Indicators

The reliability of field procedures and analytical results was assessed against the following data quality indicators (DQIs):

- Completeness – a measure of the amount of usable data from a data collection activity;
- Comparability – the confidence (qualitative) that data may be considered to be equivalent for each sampling and analytical event;
- Representativeness – the confidence (qualitative) of data representativeness of media present on-site;
- Precision – a measure of variability or reproducibility of data; and
- Accuracy – a measure of closeness of the data to the ‘true’ value.

The DQIs were assessed as outlined in the following Table Q5.

Table Q5: Data Quality Indicators

Data Quality Indicator	**Method(s) of Achievement**
Completeness	Planned systematic and selected target locations sampled; Preparation of field logs, sample location plan and chain of custody (COC) records; Preparation of field groundwater sampling sheets; Laboratory sample receipt information received confirming receipt of samples intact and appropriateness of the chain of custody; Samples analysed for contaminants of potential concern (COPC) identified in the Conceptual Site Model (CSM); Completion of COC documentation; NATA endorsed laboratory certificates provided by the laboratory; Satisfactory frequency and results for field and laboratory QC samples as discussed in Section Q2.
Comparability	Using appropriate techniques for sample recovery, storage and transportation, which were the same for the duration of the project; Works undertaken by appropriately experienced and trained DP environmental scientist / engineer; Use of NATA registered laboratories, with test methods the same or similar between laboratories; Satisfactory results for field and laboratory QC samples.
Representativeness	Target media sampled; Spatial and temporal distribution of sample locations; Sample numbers recovered and analysed are considered to be representative of the target media and complying with DQOs; Samples were extracted and analysed within holding times; Samples were analysed in accordance with the analysis request.
Precision	Acceptable RPD between original samples and replicates; Satisfactory results for all other field and laboratory QC samples.
Accuracy	Satisfactory results for all field and laboratory QC samples.

Based on the above, it is considered that the DQIs have been complied with. As such, it is concluded that the field and laboratory test data obtained are reliable and useable for this assessment.

Appendix G

Asbestos Clearance Certificates

WSP Australia Pty Limited

Level 27 Ernst & Young Centre 680 George Street
PO Box 20967 World Square
Telephone +61 2 9272 1407
Facsimile +61 2 9272 5101
Email ANZLab@pbworld.com

ABN 80 078 004 798

NCSI Certified Quality System ISO 9001

Certificate of Analysis

LOCATION:	**89 Botany road, Waterloo NSW**	**CERTIFICATE NO:**	**SYD-2270149A-0023-88703**
CLIENT:	ASP Australia	DATE\S SAMPLED:	24/01/2018
CLIENT ADDRESS:	9 Centre Place, Wetherill Park NSW 2165	DATE RECEIVED:	25/01/2018
TELEPHONE:	0457 245 571	DATE ANALYSED:	25/01/2018
EMAIL:	leon@asp-australia.com	ORDER NUMBER:	N/A
CONTACT:	Leon Johnstone	SAMPLED BY:	Prasanna Pichai

TEST METHOD: Filters examined at WSP’s Sydney Laboratory in accordance with N.O.H.S.C (April 2005) Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, WSP’s Laboratory Procedure (LP4 Counting of Asbestos and Synthetic Mineral Fibres) and NATA Accreditation No:17199, accredited for compliance with ISO/IEC:17025 - Testing. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standard

Lab No	Sample ID	Location	Results (Fibres/Field)	Concentration (Fibres/mL)
WIP:				
001	1454	Adjacent Southern concrete stockpile, on temporary fence	3.0 / 100	<0.01
002	1188	Northern stockpile, Western elevation, adjacent tent	1.0 / 100	<0.01
003	1201	Adjacent Northern stockpile, Southern elevation, on temporary fence	Rejected: Pump failure	
004	1193	Adjacent Northern stockpile, Eastern elevation along Cope street, on boundary fence	0.0 / 100	<0.01

Approved Counter

Name: Sneha Shakya

NB: If the fibre count is less than 10 fibres per 100 fields then the count is not significantly above that of background. Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust. [N.O.H.S.C.:3003 (2005)]

NATA
ACCREDITED FOR
TECHNICAL COMPETENCE

Approved Signatory

Name: Catherine Bondoc

Bondoc

The results contained within this report relate only to the sample(s) submitted for testing. WSP accepts no responsibility for the initial collection, packaging or transportation of samples submitted by external persons. This document may not be reproduced except in full.

AUTHORISATION DATE

Thursday, 25 January 2018

CLEARANCE CERTIFICATE – ASBESTOS REMOVAL

Compliant with Part 3.10 of Safe Work Australia Document: How to Safely Remove Asbestos, Code of Practice 2016 as enforced by SafeWork NSW

SECTION A. GENERAL DETAILS

CLIENT DETAILS	
Name of client:	ASP Australia
Project number:	2270149A
Client contact details:	Leon Johnstone – leon@asp-australia.com
ASBESTOS REMOVAL WORK DETAILS	
Site address where asbestos removal work is being carried out:	89 Botany Road, Waterloo NSW 2017
Date(s) asbestos removal work carried out:	4th to 5th January 2018
Scope of work (as advised by client/contractor):	Excavation of asbestos contaminated fill material followed by sparrow pick of asbestos containing debris.
Details of the specific asbestos removal work area(s):	North-east elevation of work site, within roped off archaeological find work area.
Type of asbestos containing material removed:	☐ Friable ☒ Non-Friable ☐ Asbestos containing dust/debris
Name of licensed asbestos removalist:	ASP Australia
Licence Details:	AD210968
Name and contact details of licensed asbestos removalist's supervisor:	Leon Johnstone – leon@asp-australia.com

SECTION B. CLEARANCE INSPECTION FOLLOWING ASBESTOS REMOVAL

Date of clearance inspection:	5th January 2018
Evidence of PVA/sealant application:	Yes ☐ No ☒ NA ☐
The transit route and waste routes are free from any visible asbestos	Yes ☒ No ☐ NA ☐
Limitation of Clearance	Visual inspections were carried out to areas within the immediate vicinity of the removal area. No inspection was carried out to areas not included in the scope of works. No inspection was carried out beneath ground surfaces. No inspection was carried out to areas beneath barricaded stockpiled material. No inspection was carried out to the southern and western barricaded sections of the archaeological find work area. This is a visual clearance of ground surfaces only.
Visual inspection satisfactory:	Yes ☒ No ☐
Clearance and/or Control air monitoring conducted:	Yes ☒ No ☐
Results of air monitoring satisfactory:	Yes ☒ No ☐ NA ☐
Comments:	Levels of respirable airborne fibres were found to be below the detection limit of <0.01fibres/ml

SECTION C. CLEARANCE DECLARATION

I declare that:

On the basis of the verification methods required under the NSW Work Health and Safety Regulation 2016, Clause 473, the remediated area under current condition and use does not pose a risk to the health and safety of users from exposure to asbestos. The area can be returned to normal occupancy and use.

SECTION D. ASSESSORS SIGNATURE

Prepared by:	David Blackburn	Date: 5/01/2018	Signature:
Assessor Number	LAA001260		

SECTION E. ATTACHMENT TICK LIST

Photographs	Yes ☒ No ☐ NA ☐
Certificate of analysis	Yes ☐ No ☒ NA ☐
Site maps/plans/sketches	Yes ☐ No ☒ NA ☐

SECTION F. STANDARD LIMITATION OF CLEARANCE INSPECTION (NSW)

In accordance with WHS regulation 2016, Chapter 8, Part 8.7, Clause 473: "A clearance inspection is an inspection of an asbestos removal area after asbestos removal work has been completed to verify that the area is safe for normal use, that: (a) includes a visual inspection, and (b) may include air monitoring".

The surface area and immediate vicinity has been visually determined to be clear of visible asbestos residue as specified for remediation. This clearance certificate is valid for areas which were visually accessible at the time of inspection as detailed in the scope of works.

Inspections are only carried out to the areas detailed to be removed and are conducted where access is available. Specifically no inspection has been carried out to areas that may require further remediation to verify the presence of asbestos. Please note that the visual clearance is limited to the surface of material(s) and/or soil(s) which were safely accessible at the time of inspection.

It should be noted that no inspection can be regarded as absolute and that additional asbestos may be encountered or uncovered upon further inspection, building works, or in particular excavations. The inspection was carried out at the time of the completion of the remediation works and was dependent upon site conditions at that time. WSP Australia accepts no responsibility or liability for the completeness of the removal. Comments above regarding the aspects of the inspection also form limitations. The contractor's responsibilities included:

- Ensuring that work methods and procedures comply with the relevant legislation, codes of practice and industry standards, and undertake work in accordance with technical specifications.
- Employing suitably trained, skilled and competent staff.
- Ensuring that contractors are inducted in safe work procedures for asbestos materials/products.
- Obtaining the necessary approvals from regulatory authorities prior to starting any asbestos removal or maintenance activities.
- Ensuring that all work is conducted in a safe and competent manner.

APPENDIX A PHOTOGRAPHS

	
Photo 1: Depicts remediation work area after satisfactory visual clearance	Photo 2: Depicts remediation work area after satisfactory visual clearance
	
Photo 3: Depicts remediation work area after satisfactory visual clearance	Photo 4: Depicts covered stockpiled material not included in the scope of the visual clearance

CLEARANCE CERTIFICATE – ASBESTOS REMOVAL

Compliant with Part 3.10 of Safe Work Australia Document: How to Safely Remove Asbestos, Code of Practice 2016 as enforced by SafeWork NSW

SECTION A. GENERAL DETAILS

CLIENT DETAILS	
Name of client:	ASP Australia
Project number:	2270149A
Client contact details:	Leon Johnstone – leon@asp-australia.com
ASBESTOS REMOVAL WORK DETAILS	
Site address where asbestos removal work is being carried out:	89 Botany Road, Waterloo NSW 2017
Date(s) asbestos removal work carried out:	8th January 2018
Scope of work (as advised by client/contractor):	Sparrow pick of Bulk concrete stockpile that was returned to site from the waste management facility due to the presence of asbestos containing fragments.
Details of the specific asbestos removal work area(s):	Central section of site, adjacent to site sheds
Type of asbestos containing material removed:	☐ Friable ☒ Non-Friable ☐ Asbestos containing dust/debris
Name of licensed asbestos removalist:	ASP Australia
Licence Details:	AD210968
Name and contact details of licensed asbestos removalist's supervisor:	Leon Johnstone – leon@asp-australia.com

SECTION B. CLEARANCE INSPECTION FOLLOWING ASBESTOS REMOVAL

Date of clearance inspection:	8th January 2018
Evidence of PVA/sealant application:	Yes ☐ No ☒ NA ☐
The transit route and waste routes are free from any visible asbestos	Yes ☒ No ☐ NA ☐
Limitation of Clearance	Visual inspections were carried out to areas within the immediate vicinity of the removal area. No inspection was carried out to areas not included in the scope of works. No inspection was carried out beneath ground surfaces. No inspection was carried out to areas beneath barricaded bulk concrete stockpiled material. This is a visual clearance of ground surfaces only.
Visual inspection satisfactory:	Yes ☒ No ☐
Clearance and/or Control air monitoring conducted:	Yes ☒ No ☐
Results of air monitoring satisfactory:	Yes ☒ No ☐ NA ☐
Comments:	Levels of respirable airborne fibres were found to be below the detection limit of <0.01fibres/ml

SECTION C. CLEARANCE DECLARATION

I declare that:

On the basis of the verification methods required under the NSW Work Health and Safety Regulation 2016, Clause 473, the remediated area under current condition and use does not pose a risk to the health and safety of users from exposure to asbestos. The area can be returned to normal occupancy and use.

SECTION D. ASSESSORS SIGNATURE

Prepared by:	Robbie Chiarello	Date: 8/01/2018	Signature:
Assessor Number	LAA001089		

SECTION E. ATTACHMENT TICK LIST

Photographs	Yes ☒ No ☐ NA ☐
Certificate of analysis	Yes ☐ No ☒ NA ☐
Site maps/plans/sketches	Yes ☐ No ☒ NA ☐

SECTION F. STANDARD LIMITATION OF CLEARANCE INSPECTION (NSW)

In accordance with WHS regulation 2016, Chapter 8, Part 8.7, Clause 473: “A clearance inspection is an inspection of an asbestos removal area after asbestos removal work has been completed to verify that the area is safe for normal use, that: (a) includes a visual inspection, and (b) may include air monitoring”.

The surface area and immediate vicinity has been visually determined to be clear of visible asbestos residue as specified for remediation. This clearance certificate is valid for areas which were visually accessible at the time of inspection as detailed in the scope of works.

Inspections are only carried out to the areas detailed to be removed and are conducted where access is available. Specifically no inspection has been carried out to areas that may require further remediation to verify the presence of asbestos. Please note that the visual clearance is limited to the surface of material(s) and/or soil(s) which were safely accessible at the time of inspection.

It should be noted that no inspection can be regarded as absolute and that additional asbestos may be encountered or uncovered upon further inspection, building works, or in particular excavations. The inspection was carried out at the time of the completion of the remediation works and was dependent upon site conditions at that time. WSP Australia accepts no responsibility or liability for the completeness of the removal. Comments above regarding the aspects of the inspection also form limitations. The contractor’s responsibilities included:

- Ensuring that work methods and procedures comply with the relevant legislation, codes of practice and industry standards, and undertake work in accordance with technical specifications.
- Employing suitably trained, skilled and competent staff.
- Ensuring that contractors are inducted in safe work procedures for asbestos materials/products.
- Obtaining the necessary approvals from regulatory authorities prior to starting any asbestos removal or maintenance activities.
- Ensuring that all work is conducted in a safe and competent manner.

APPENDIX A PHOTOGRAPHS

	
Photo 1: Central section of site, adjacent to site sheds following Sparrow pick of asbestos containing debris within bulk concrete stockpile	Photo 2: Central section of site, adjacent to site sheds following Sparrow pick of asbestos containing debris within bulk concrete stockpile

CLEARANCE CERTIFICATE – ASBESTOS REMOVAL

Compliant with Part 3.10 of Safe Work Australia Document: How to Safely Remove Asbestos, Code of Practice 2016 as enforced by SafeWork NSW

SECTION A. GENERAL DETAILS

CLIENT DETAILS	
Name of client:	ASP Australia
Project number:	2270149A
Client contact details:	Leon Johnstone – leon@asp-australia.com
ASBESTOS REMOVAL WORK DETAILS	
Site address where asbestos removal work is being carried out:	89 Botany Road, Waterloo NSW 2017
Date(s) asbestos removal work carried out:	9th January 2018
Scope of work (as advised by client/contractor):	Visual clearance of the ground surfaces (top surface level only) beneath the excavated concrete slab along the eastern elevation of the site mentioned above.
Details of the specific asbestos removal work area(s):	Eastern elevation of site along site boundary fence. (Refer to photo appendix)
Type of asbestos containing material removed:	☐ Friable ☒ Non-Friable ☐ Asbestos containing dust/debris
Name of licensed asbestos removalist:	ASP Australia
Licence Details:	AD210968
Name and contact details of licensed asbestos removalist's supervisor:	Leon Johnstone – leon@asp-australia.com

SECTION B. CLEARANCE INSPECTION FOLLOWING ASBESTOS REMOVAL

Date of clearance inspection:	9th January 2018
Evidence of PVA/sealant application:	Yes ☐ No ☒ NA ☐
The transit route and waste routes are free from any visible asbestos	Yes ☒ No ☐ NA ☐
Limitation of Clearance	Visual inspections were carried out to areas within the immediate vicinity of the removal area. No inspection was carried out to areas not included in the scope of works. No inspection was carried out beneath ground surfaces. This is a visual clearance of ground surfaces only.
Visual inspection satisfactory:	Yes ☒ No ☐
Clearance and/or Control air monitoring conducted:	Yes ☒ No ☐
Results of air monitoring satisfactory:	Yes ☒ No ☐ NA ☐
Comments:	Levels of respirable airborne fibres were found to be below the detection limit of <0.01fibres/ml

SECTION C. CLEARANCE DECLARATION

I declare that:

On the basis of the verification methods required under the NSW Work Health and Safety Regulation 2016, Clause 473, the remediated area under current condition and use does not pose a risk to the health and safety of users from exposure to asbestos. The area can be returned to normal occupancy and use.

SECTION D. ASSESSORS SIGNATURE

Prepared by:	Myall Bratter	Date: 9/01/2018	Signature: Myall Bratter
Assessor Number	LAA001315		

SECTION E. ATTACHMENT TICK LIST

Photographs	Yes ☒ No ☐ NA ☐
Certificate of analysis	Yes ☐ No ☒ NA ☐
Site maps/plans/sketches	Yes ☐ No ☒ NA ☐

SECTION F. STANDARD LIMITATION OF CLEARANCE INSPECTION (NSW)

In accordance with WHS regulation 2016, Chapter 8, Part 8.7, Clause 473: “A clearance inspection is an inspection of an asbestos removal area after asbestos removal work has been completed to verify that the area is safe for normal use, that: (a) includes a visual inspection, and (b) may include air monitoring”.

The surface area and immediate vicinity has been visually determined to be clear of visible asbestos residue as specified for remediation. This clearance certificate is valid for areas which were visually accessible at the time of inspection as detailed in the scope of works.

Inspections are only carried out to the areas detailed to be removed and are conducted where access is available. Specifically no inspection has been carried out to areas that may require further remediation to verify the presence of asbestos. Please note that the visual clearance is limited to the surface of material(s) and/or soil(s) which were safely accessible at the time of inspection.

It should be noted that no inspection can be regarded as absolute and that additional asbestos may be encountered or uncovered upon further inspection, building works, or in particular excavations. The inspection was carried out at the time of the completion of the remediation works and was dependent upon site conditions at that time. WSP Australia accepts no responsibility or liability for the completeness of the removal. Comments above regarding the aspects of the inspection also form limitations. The contractor’s responsibilities included:

- Ensuring that work methods and procedures comply with the relevant legislation, codes of practice and industry standards, and undertake work in accordance with technical specifications.
- Employing suitably trained, skilled and competent staff.
- Ensuring that contractors are inducted in safe work procedures for asbestos materials/products.
- Obtaining the necessary approvals from regulatory authorities prior to starting any asbestos removal or maintenance activities.
- Ensuring that all work is conducted in a safe and competent manner.

APPENDIX A PHOTOGRAPHS

	
Photo 1: Eastern elevation of site, top ground surfaces below excavated concrete slab – Visual clearance	Photo 2: Eastern elevation of site, top ground surfaces below excavated concrete slab – Visual clearance

CLEARANCE CERTIFICATE – ASBESTOS REMOVAL

Compliant with Part 3.10 of Safe Work Australia Document: How to Safely Remove Asbestos, Code of Practice 2016 as enforced by SafeWork NSW

SECTION A. GENERAL DETAILS

CLIENT DETAILS	
Name of client:	ASP Australia
Project number:	2270149A
Client contact details:	Leon Johnstone – leon@asp-australia.com
ASBESTOS REMOVAL WORK DETAILS	
Site address where asbestos removal work is being carried out:	89 Botany Road, Waterloo NSW 2017
Date(s) asbestos removal work carried out:	9th January 2018
Scope of work (as advised by client/contractor):	Visual clearance of the outer surfaces (visible surface level only) of the stock pile of concrete slabs located centrally in the site mentioned above.
Details of the specific asbestos removal work area(s):	Central stock pile consisting of concrete slabs. (Refer to photo appendix)
Type of asbestos containing material removed:	☐ Friable ☒ Non-Friable ☐ Asbestos containing dust/debris
Name of licensed asbestos removalist:	ASP Australia
Licence Details:	AD210968
Name and contact details of licensed asbestos removalist's supervisor:	Leon Johnstone – leon@asp-australia.com

SECTION B. CLEARANCE INSPECTION FOLLOWING ASBESTOS REMOVAL

Date of clearance inspection:	10th January 2018
Evidence of PVA/sealant application:	Yes ☐ No ☒ NA ☐
The transit route and waste routes are free from any visible asbestos	Yes ☒ No ☐ NA ☐
Limitation of Clearance	Visual inspections were carried out to areas within the immediate vicinity of the removal area. No inspection was carried out to areas not included in the scope of works. No inspection was carried out beneath ground surfaces. This is a visual clearance of visually accessible top surfaces of the stockpile only.
Visual inspection satisfactory:	Yes ☒ No ☐
Clearance and/or Control air monitoring conducted:	Yes ☒ No ☐
Results of air monitoring satisfactory:	Yes ☒ No ☐ NA ☐
Comments:	Levels of respirable airborne fibres were found to be below the detection limit of <0.01fibres/ml

SECTION C. CLEARANCE DECLARATION

I declare that:

On the basis of the verification methods required under the NSW Work Health and Safety Regulation 2016, Clause 473, the remediated area under current condition and use does not pose a risk to the health and safety of users from exposure to asbestos. The area can be returned to normal occupancy and use.

SECTION D. ASSESSORS SIGNATURE

Prepared by:	Myall Bratter	Date: 10/01/2018	Signature: Myall Bratter
Assessor Number	LAA001315		

SECTION E. ATTACHMENT TICK LIST

Photographs	Yes ☒ No ☐ NA ☐
Certificate of analysis	Yes ☐ No ☒ NA ☐
Site maps/plans/sketches	Yes ☐ No ☒ NA ☐

SECTION F. STANDARD LIMITATION OF CLEARANCE INSPECTION (NSW)

In accordance with WHS regulation 2016, Chapter 8, Part 8.7, Clause 473: "A clearance inspection is an inspection of an asbestos removal area after asbestos removal work has been completed to verify that the area is safe for normal use, that: (a) includes a visual inspection, and (b) may include air monitoring".

The surface area and immediate vicinity has been visually determined to be clear of visible asbestos residue as specified for remediation. This clearance certificate is valid for areas which were visually accessible at the time of inspection as detailed in the scope of works.

Inspections are only carried out to the areas detailed to be removed and are conducted where access is available. Specifically no inspection has been carried out to areas that may require further remediation to verify the presence of asbestos. Please note that the visual clearance is limited to the surface of material(s) and/or soil(s) which were safely accessible at the time of inspection.

It should be noted that no inspection can be regarded as absolute and that additional asbestos may be encountered or uncovered upon further inspection, building works, or in particular excavations. The inspection was carried out at the time of the completion of the remediation works and was dependent upon site conditions at that time. WSP Australia accepts no responsibility or liability for the completeness of the removal. Comments above regarding the aspects of the inspection also form limitations. The contractor's responsibilities included:

- Ensuring that work methods and procedures comply with the relevant legislation, codes of practice and industry standards, and undertake work in accordance with technical specifications.
- Employing suitably trained, skilled and competent staff.
- Ensuring that contractors are inducted in safe work procedures for asbestos materials/products.
- Obtaining the necessary approvals from regulatory authorities prior to starting any asbestos removal or maintenance activities.
- Ensuring that all work is conducted in a safe and competent manner.

APPENDIX A PHOTOGRAPHS

	
Photo 1: Central area of site, stockpile of concrete slabs – Visual clearance	Photo 2: Central area of site, stockpile of concrete slabs – Visual clearance

CLEARANCE CERTIFICATE – ASBESTOS REMOVAL

Compliant with Part 3.10 of Safe Work Australia Document: How to Safely Remove Asbestos, Code of Practice 2016 as enforced by SafeWork NSW

SECTION A. GENERAL DETAILS

CLIENT DETAILS	
Name of client:	ASP Australia
Project number:	2270149A
Client contact details:	Leon Johnstone – leon@asp-australia.com
ASBESTOS REMOVAL WORK DETAILS	
Site address where asbestos removal work is being carried out:	89 Botany Road, Waterloo NSW 2017
Date(s) asbestos removal work carried out:	10th January 2018
Scope of work (as advised by client/contractor):	Visual clearance of the ground surfaces (top surface level only) along the eastern elevation of the site mentioned above, including the trench to the west of the work area.
Details of the specific asbestos removal work area(s):	Eastern work area and trench (Refer to photo appendix)
Type of asbestos containing material removed:	☐ Friable ☒ Non-Friable ☐ Asbestos containing dust/debris
Name of licensed asbestos removalist:	ASP Australia
Licence Details:	AD210968
Name and contact details of licensed asbestos removalist's supervisor:	Leon Johnstone – leon@asp-australia.com

SECTION B. CLEARANCE INSPECTION FOLLOWING ASBESTOS REMOVAL

Date of clearance inspection:	15:00 - 10th January 2018
Evidence of PVA/sealant application:	Yes ☐ No ☒ NA ☐
The transit route and waste routes are free from any visible asbestos	Yes ☒ No ☐ NA ☐
Limitation of Clearance	Visual inspections were carried out to areas within the immediate vicinity of the removal area. No inspection was carried out to areas not included in the scope of works. No inspection was carried out beneath ground surfaces. This is a visual clearance of visually accessible top surfaces of the specified area at the time of the inspection.
Visual inspection satisfactory:	Yes ☒ No ☐
Clearance and/or Control air monitoring conducted:	Yes ☒ No ☐
Results of air monitoring satisfactory:	Yes ☒ No ☐ NA ☐
Comments:	Levels of respirable airborne fibres were found to be below the detection limit of <0.01fibres/ml

SECTION C. CLEARANCE DECLARATION

I declare that:

On the basis of the verification methods required under the NSW Work Health and Safety Regulation 2016, Clause 473, the remediated area under current condition and use does not pose a risk to the health and safety of users from exposure to asbestos. The area can be returned to normal occupancy and use.

SECTION D. ASSESSORS SIGNATURE

Prepared by:	Myall Bratter	Date: 10/01/2018	Signature: Myall Bratter
Assessor Number	LAA001315		

SECTION E. ATTACHMENT TICK LIST

Photographs	Yes ☒ No ☐ NA ☐
Certificate of analysis	Yes ☐ No ☒ NA ☐
Site maps/plans/sketches	Yes ☐ No ☒ NA ☐

SECTION F. STANDARD LIMITATION OF CLEARANCE INSPECTION (NSW)

In accordance with WHS regulation 2016, Chapter 8, Part 8.7, Clause 473: "A clearance inspection is an inspection of an asbestos removal area after asbestos removal work has been completed to verify that the area is safe for normal use, that: (a) includes a visual inspection, and (b) may include air monitoring".

The surface area and immediate vicinity has been visually determined to be clear of visible asbestos residue as specified for remediation. This clearance certificate is valid for areas which were visually accessible at the time of inspection as detailed in the scope of works.

Inspections are only carried out to the areas detailed to be removed and are conducted where access is available. Specifically no inspection has been carried out to areas that may require further remediation to verify the presence of asbestos. Please note that the visual clearance is limited to the surface of material(s) and/or soil(s) which were safely accessible at the time of inspection.

It should be noted that no inspection can be regarded as absolute and that additional asbestos may be encountered or uncovered upon further inspection, building works, or in particular excavations. The inspection was carried out at the time of the completion of the remediation works and was dependent upon site conditions at that time. WSP Australia accepts no responsibility or liability for the completeness of the removal. Comments above regarding the aspects of the inspection also form limitations. The contractor's responsibilities included:

- Ensuring that work methods and procedures comply with the relevant legislation, codes of practice and industry standards, and undertake work in accordance with technical specifications.
- Employing suitably trained, skilled and competent staff.
- Ensuring that contractors are inducted in safe work procedures for asbestos materials/products.
- Obtaining the necessary approvals from regulatory authorities prior to starting any asbestos removal or maintenance activities.
- Ensuring that all work is conducted in a safe and competent manner.

APPENDIX A PHOTOGRAPHS

<table>
<tr><td></td><td></td></tr>
<tr><td>Photo 1: Work area on Eastern side of site, ground surface– Visual clearance</td><td>Photo 2: Trench to West side of work area, ground surface – Visual clearance</td></tr>
</table>

Shaded green region represents area covered under the visual clearances carried out by WSP as of 10/01/2018.

VISUAL CLEARANCE CERTIFICATE

Compliant with Part 3.10 of Safe Work Australia Document: How to Safely Remove Asbestos, Code of Practice 2016 as enforced by SafeWork NSW

General details

CLIENT DETAILS	
Name of client:	ASP
Client contact details:	Leon Johnstone 9 Centre Pl, Wetherill Park, NSW, 2164
DESCRIPTION OF WORKS	
Site address where asbestos removal work is being carried out:	89 Botany Rd, Waterloo
Date(s) asbestos removal work carried out:	23 January 2018
Scope of work (as advised by client/contractor):	WSP was engaged to provide a visual clearance of a demolition waste stockpile located near the north-eastern boundary of the site. The stockpile contained concrete material from demolished hardstand. The subject area is hereby defined as the *ca.* 4 m long, 3.5 m wide, and 1.5 m high stockpile of demolition debris. An occupational hygienist/competent hazardous materials consultant inspected the safely accessible areas of the above subject area. During the inspection carried out between 7:30-7:45 no asbestos containing material (ACM) was detected on the exterior of the stockpile.
Details of the specific asbestos removal work area(s):	Hardstand was removed from the surrounding work area to enable further excavation. The associated concrete demolition waste generated from these works was stockpiled for subsequent off-site disposal.
Type of asbestos containing material removed:	☐ Friable ☒ Non-Friable ☐ Asbestos containing dust/debris

Conclusion of inspection

Date of clearance inspection:	23 January 2018 (Cert: #2270149A_Visual Clearance Inspection_ASP_20180123_01)
Evidence of PVA/sealant application:	Yes ☐ No ☐ NA ☒
Limitation of Clearance:	This verification certificate applies only to the area detailed within the above description. A detailed inspection of areas not included in the scope of works, *i.e.* the interior could not be carried out due to inadequate/unsafe access.
Visual inspection satisfactory:	Yes ☒ No ☐
Clearance and/or Control air monitoring conducted:	Yes ☐ No ☐ NA ☒
Results of air monitoring satisfactory:	Yes ☐ No ☐ NA ☒
Comments:	The areas detailed in the above description were free of visible ACM debris at the time of inspection.

Clearance declaration

I declare that:

On the basis of the verification methods required under the NSW Work Health and Safety Regulation 2017, Clause 473, the remediated area under current condition and use does not pose a risk to the health and safety of users from exposure to asbestos. The area can be returned to normal occupancy and use.

Assessors signature

Prepared by:	Kai Buys	Date: 23 January 2018	Signature:

Appendices

Photographs	Yes ☒ No ☐ NA ☐

STANDARD LIMITATION OF CLEARANCE INSPECTION (NSW)

In accordance with WHS regulation 2017, Chapter 8, Part 8.7, Clause 473: “A clearance inspection is an inspection of an asbestos removal area after asbestos removal work has been completed to verify that the area is safe for normal use, that: (a) includes a visual inspection, and (b) may include air monitoring”.

The surface area and immediate vicinity has been visually determined to be clear of visible asbestos residue as specified for remediation. This clearance certificate is valid for areas which were visually accessible at the time of inspection as detailed in the scope of works.

Inspections are only carried out to the areas detailed to be removed and are conducted where access is available. Specifically no inspection has been carried out to areas that may require further remediation to verify the presence of asbestos. Please note that the visual clearance is limited to the surface of material(s) and/or soil(s) which were safely accessible at the time of inspection.

It should be noted that no inspection can be regarded as absolute and that additional asbestos may be encountered or uncovered upon further inspection, works, or in particular excavations. The inspection was carried out at the time of the completion of the remediation works and was dependent upon site conditions at that time. WSP Australia accepts no responsibility or liability for the completeness of the removal. Comments above regarding the aspects of the inspection also form limitations. The contractor’s responsibilities included:

- Ensuring that work methods and procedures comply with the relevant legislation, codes of practice and industry standards, and undertake work in accordance with technical specifications.
- Employing suitably trained, skilled and competent staff.
- Ensuring that contractors are inducted in safe work procedures for asbestos materials/products.
- Obtaining the necessary approvals from regulatory authorities prior to starting any asbestos removal or maintenance activities.
- Ensuring that all work is conducted in a safe and competent manner.

Appendix A - Photographs

	
PHOTO 1: FACING NORTH WEST, EXTERIOR OF STOCKPILE FREE OF ACM	PHOTO 2: FACING SOUTH EAST, EXTERIOR OF STOCKPILE FREE OF ACM

VISUAL CLEARANCE CERTIFICATE

Compliant with Part 3.10 of Safe Work Australia Document: How to Safely Remove Asbestos, Code of Practice 2016 as enforced by SafeWork NSW

General details

CLIENT DETAILS	
Name of client:	ASP - Australia
Client contact details:	Leon Johnstone 9 Centre Pl, Wetherill Park, NSW, 2164
DESCRIPTION OF WORKS	
Site address where asbestos removal work is being carried out:	89 Botany Rd, Waterloo (South-eastern boundary)
Date(s) asbestos removal work carried out:	23 January 2018
Scope of work (as advised by client/contractor):	WSP was engaged to carry out a visual inspection of a disturbed ground surface, which was exposed during the removal of the above-lying hardstand. The subject area is hereby defined as the *ca.* 20 m long, 15 m wide section of disturbed ground located near the south-eastern boundary of the site. An occupational hygienist/competent hazardous materials consultant inspected the safely accessible areas of the above subject area. During the inspection carried out between 8:05-8:20, no asbestos containing material (ACM) was detected on the surface of the disturbed ground.
Details of the specific asbestos removal work area(s):	Hardstand removal/demolition followed by chicken-picking of adventitious ACM finds from the above subject area was carried out to enable further excavation.
Type of asbestos containing material removed:	Friable ☒ Non-Friable ☐ Asbestos containing dust/debris

Conclusion of inspection

Date of clearance inspection:	23 January 2018 (Cert. #: 2270149A_Visual Clearance Inspection_ASP_20180123_04)
Evidence of PVA/sealant application:	Yes ☐ No ☐ NA ☒
Limitation of Clearance:	This verification certificate applies only to the area detailed within the above description. Any further excavation or weathering of the subject area may expose underlying ACM fill.
Visual inspection satisfactory:	Yes ☒ No ☐
Clearance and/or Control air monitoring conducted:	Yes ☒ No ☐ NA ☐
Results of air monitoring satisfactory:	Yes ☒ No ☐ NA ☐
Comments:	The areas detailed in the above description were free of visible ACM debris at the time of inspection. Levels of respirable airborne fibres were found to be below the detection limit of <0.01fibres/ml.

Clearance declaration

I declare that:

On the basis of the verification methods required under the NSW Work Health and Safety Regulation 2017, Clause 473, the remediated area under current condition and use does not pose a risk to the health and safety of users from exposure to asbestos. The area can be returned to normal occupancy and use.

Assessors signature

Prepared by:	Kai Buys	Date: 24 January 2018	Signature: K. Buys

Appendices

Appendix A - Photographs	Yes ☒ No ☐ NA ☐
Appendix B – Air monitoring results	Yes ☒ No ☐ NA ☐

STANDARD LIMITATION OF CLEARANCE INSPECTION (NSW)

In accordance with WHS regulation 2017, Chapter 8, Part 8.7, Clause 473: “A clearance inspection is an inspection of an asbestos removal area after asbestos removal work has been completed to verify that the area is safe for normal use, that: (a) includes a visual inspection, and (b) may include air monitoring”.

The surface area and immediate vicinity has been visually determined to be clear of visible asbestos residue as specified for remediation. This clearance certificate is valid for areas which were visually accessible at the time of inspection as detailed in the scope of works.

Inspections are only carried out to the areas detailed to be removed and are conducted where access is available. Specifically no inspection has been carried out to areas that may require further remediation to verify the presence of asbestos. Please note that the visual clearance is limited to the surface of material(s) and/or soil(s) which were safely accessible at the time of inspection.

It should be noted that no inspection can be regarded as absolute and that additional asbestos may be encountered or uncovered upon further inspection, works, or in particular excavations. The inspection was carried out at the time of the completion of the remediation works and was dependent upon site conditions at that time. WSP Australia accepts no responsibility or liability for the completeness of the removal. Comments above regarding the aspects of the inspection also form limitations. The contractor’s responsibilities included:

- Ensuring that work methods and procedures comply with the relevant legislation, codes of practice and industry standards, and undertake work in accordance with technical specifications.
- Employing suitably trained, skilled and competent staff.
- Ensuring that contractors are inducted in safe work procedures for asbestos materials/products.
- Obtaining the necessary approvals from regulatory authorities prior to starting any asbestos removal or maintenance activities.
- Ensuring that all work is conducted in a safe and competent manner.

Appendix A - Photographs

PHOTO 1: FACING EAST, VIEW OF WORK AREA FREE OF ACM

PHOTO 2: FACING WEST, VIEW OF WORK AREA, FREE OF ACM

PHOTO 3: FACING EAST, VIEW OF WORK AREA, FREE OF ACM

Appendix B – Air monitoring results

WSP Australia Pty Limited

Level 27 Ernst & Young Centre 680 George Street
PO Box 20967 World Square
Telephone +61 2 9272 1407
Facsimile +61 2 9272 5101
Email ANZLab@pbworld.com

ABN 80 078 004 798

NCSI Certified Quality System ISO 9001

Certificate of Analysis

LOCATION:	**89 Botany Road, Waterloo**	**CERTIFICATE NO:**	**SYD-2270149A-0023-88583**
CLIENT:	ASP Australia	DATE\S SAMPLED:	23/01/2018
CLIENT ADDRESS:	9 Centre Place, Wetherill Park NSW 2165	DATE RECEIVED:	23/01/2018
TELEPHONE:	0457 245 571	DATE ANALYSED:	23/01/2018
EMAIL:	leon@asp-australia.com	ORDER NUMBER:	NA
CONTACT:	Leon Johnstone	SAMPLED BY:	Kai Buys

TEST METHOD: Filters examined at WSP's Sydney Laboratory in accordance with N.O.H.S.C (April 2005) Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, WSP's Laboratory Procedure (LP4 Counting of Asbestos and Synthetic Mineral Fibres) and NATA Accreditation No:17199, accredited for compliance with ISO/IEC:17025 - Testing. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standard

Lab No	Sample ID	Location	Results (Fibres/Field)	Concentration (Fibres/mL)
WIP:				
001	1038	Exterior, North-eastern boundary, chain link fence	1.0 / 100	<0.01
002	1047	Exterior, North-western centre of site, jersey barrier	2.0 / 100	<0.01
003	1055	Exterior, Southern centre of site, jersey barrier	1.0 / 100	<0.01
004	8433	Exterior, South-eastern boundary, scaffold platform	1.0 / 100	<0.01

Approved Counter

Name: Sneha Shakya

NB: If the fibre count is less than 10 fibres per 100 fields then the count is not significantly above that of background. Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Dust. [N.O.H.S.C.:3003 (2005)]

NATA

ACCREDITED FOR
TECHNICAL
COMPETENCE

Approved Signatory

Name: Catherine Bondoc

Bondoc

The results contained within this report relate only to the sample(s) submitted for testing. WSP accepts no responsibility for the initial collection, packaging or transportation of samples submitted by external persons. This document may not be reproduced except in full.

AUTHORISATION DATE

Tuesday, 23 January 2018

HIBBS & ASSOCIATES PTY.LTD.

Occupational Health and Safety Consultants
Environmental Management Consultants

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48 / 378 Parramatta Road,
Homebush NSW 2140

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Homebush NSW 2140

Phone: **(02) 9746 3244**
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Email: info@hibbs.com.au
Web: www.hibbs.com.au

Our Reference: S9835-WLO-CL01

20 August 2018

John Holland CPB Ghella JV,
Level 9, 50 Bridge Street,
SYDNEY NSW 2000

Attention: Mr Robert Thompson
Safety Systems Manager

Dear Mr Thompson,

re: ASBESTOS VISUAL SURFACE CLEARANCE INSPECTION – WATERLOO SITE (WLO)

Introduction

Hibbs & Associates Pty Ltd (H&A) was requested by John Holland CPB Ghella Joint Venture to conduct a visual clearance inspection at the Waterloo Site (WLO) site located on the corner of Botany Road and Wellington Street, Waterloo NSW 2017, following removal of asbestos impacted soil. The visual inspection was carried out on the afternoon of Monday 20 August 2018.

The “subject area” consisted of a rectangular section of soil measuring approximately 60m x 8m with a square area (10m x 10m) attached along the eastern fence of Cope Street , located in the eastern section of the site. We were informed that subject area is located on grid lines E and F.

Background

The removal of the impacted soil took place between 13 and 20 August 2018. Asbestos fibre monitoring was in place during the removal process. All results were below the detection limit of the method of 0.01 fibres/ml. Please refer to reports S9835-WLO-AMR01 to S9835-WLO-AMR05.

Methodology

The visual inspection was carried out by means of a slow traverse of the area where the asbestos containing fragments were formerly located. The surface was viewed closely to detect evidence of asbestos debris or fragments; colour, size and shape are used as indicators.

The inspection was limited to:

- The exposed ground surface of the subject areas,
- No sub-surface inspections were conducted.

Inspection

At the completion of the inspection, no visible or accessible asbestos fragments or suspect asbestos containing debris was observed over the subject area and we are satisfied that the removal works have been completed to a satisfactory standard. Photographs of the subject area at the time of inspection are included in Attachment 1.

Conclusion

No asbestos containing material was observed within the subject area upon completion of the removal works. It is the opinion of H&A that there is a negligible asbestos related health risk with the use of the subject area.

This report is a visual clearance for asbestos only and does not pertain to other chemical contaminants. This Report must be read in its entirety and must not be copied, distributed or referred to in part only. The Report must not be reproduced without the written approval of H&A.

Should you have any queries regarding this report, please do not hesitate to contact Alan Sparks on 0407 249 231.

Yours sincerely,

HIBBS & ASSOCIATES PTY LT

Pawel Olszewski
Occupational Hygienist

Report Limitations & Disclaimer

At the request of the Client, Hibbs & Associates Pty Ltd has conducted an inspection of the asbestos removal work area and relevant adjacent areas at the completion of the asbestos removal works. This is a service provided by Hibbs & Associates Pty Ltd to assist Clients with their QA/QC requirements and to ensure that the asbestos removal works are completed to an acceptable standard. Hibbs & Associates Pty Ltd provides no warranty with respect to the standard of the removal works or the cleanliness of the work area and accepts no responsibility for asbestos materials found in the areas inspected or in other areas of the building.

Hibbs & Associates Pty Ltd has exercised reasonable care, skill and diligence in conducting the visual clearance inspection. However, except for any non-excludable statutory provision, Hibbs & Associates Pty Ltd gives no warranty in relation to its services or the Report, and is not liable for any loss, damage, injury or death suffered by any party (whether caused by negligence or otherwise) arising from or relating to the services or the use or otherwise of this Report. Where the Client has the benefit of any non-excludable condition or warranty, the liability of Hibbs & Associates Pty Ltd is, to the extent permitted by law, limited to re-performing the services or refunding the fees paid in relation to the services or sections of the Report not complying with the conditions or warranty.

WATERLOO SITE
VISUAL CLEARANCE INSPECTION

ATTACHMENT 1: PHOTOGRAPHS

Photograph 1: *Cleared rectangular subject area facing north along the eastern fence of the Cope Street in the eastern section of the site.*

Photograph 2: *Cleared square subject area attached to rectangular area in the eastern section of the site..*

HIBBS & ASSOCIATES PTY.LTD.

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Web: www.hibbs.com.au

Our Reference: S9835-WLO-CL02

31 August 2018

John Holland CPB Ghella JV,
Level 9, 50 Bridge Street,
SYDNEY NSW 2000

Attention: Mr Robert Thompson
Safety Systems Manager

Dear Mr Thompson,

re: ASBESTOS VISUAL SURFACE CLEARANCE INSPECTION – WATERLOO SITE (WLO)

Introduction

Hibbs & Associates Pty Ltd (H&A) was requested by John Holland CPB Ghella Joint Venture to conduct a visual clearance inspection at the Waterloo Site (WLO) site located on the corner of Botany Road and Wellington Street, Waterloo NSW 2017, following removal of asbestos impacted soil. The visual inspection was carried out in the morning of Friday 31 August 2018.

The “subject area” consisted of a rectangular section of soil measuring approximately 25m x 20m in the north east end corner of the site. We were informed that subject area is located on the grid lines I and J.

Background

The removal of the impacted soil took place on 27 August 2018. Asbestos fibre monitoring was in place during the removal process. All results were below the detection limit of the method of 0.01 fibres/ml. Please refer to report S9835-WLO-AMR07.

Methodology

The visual inspection was carried out by means of a slow traverse of the area where the asbestos containing fragments were formerly located. The surface was viewed closely to detect evidence of asbestos debris or fragments; colour, size and shape are used as indicators.

The inspection was limited to:

- The exposed ground surface of the subject areas,
- No sub-surface inspections were conducted.

Inspection

At the completion of the inspection, no visible or accessible asbestos fragments or suspect asbestos containing debris was observed over the subject area and we are satisfied that the removal works have been completed to a satisfactory standard. Photographs of the subject area at the time of inspection are included in Attachment 1.

Conclusion

No asbestos containing material was observed within the subject area upon completion of the removal works. It is the opinion of H&A that there is a negligible asbestos related health risk with the use of the subject area.

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Should you have any queries regarding this report, please do not hesitate to contact Alan Sparks on 0407 249 231.

Yours sincerely,

HIBBS & ASSOCIATES PTY LT

Pawel Olszewski
Occupational Hygienist

Report Limitations & Disclaimer

At the request of the Client, Hibbs & Associates Pty Ltd has conducted an inspection of the asbestos removal work area and relevant adjacent areas at the completion of the asbestos removal works. This is a service provided by Hibbs & Associates Pty Ltd to assist Clients with their QA/QC requirements and to ensure that the asbestos removal works are completed to an acceptable standard. Hibbs & Associates Pty Ltd provides no warranty with respect to the standard of the removal works or the cleanliness of the work area and accepts no responsibility for asbestos materials found in the areas inspected or in other areas of the building.

Hibbs & Associates Pty Ltd has exercised reasonable care, skill and diligence in conducting the visual clearance inspection. However, except for any non-excludable statutory provision, Hibbs & Associates Pty Ltd gives no warranty in relation to its services or the Report, and is not liable for any loss, damage, injury or death suffered by any party (whether caused by negligence or otherwise) arising from or relating to the services or the use or otherwise of this Report. Where the Client has the benefit of any non-excludable condition or warranty, the liability of Hibbs & Associates Pty Ltd is, to the extent permitted by law, limited to re-performing the services or refunding the fees paid in relation to the services or sections of the Report not complying with the conditions or warranty.

ATTACHMENT 1: PHOTOGRAPHS

Photograph 1: *Cleared rectangular subject area facing north along the northern fence of the Raglan Street in the north eastern end of the site.*

Photograph 2: *Cleared rectangular subject area facing eastern fence along the Cope Street in the north eastern end of the site.*

Appendix H

Documentation for Imported Materials

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TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/17
PROJECT:	Quality Control Testing	REQUEST No:	75210
MATERIAL:	Unbound Base S/P 206 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	28.9.17
		DATE TESTED:	3.10.17 to 17.10.17

SPECIFICATION: Roads and Traffic Authority NSW QA Specification **3051**. Unbound and Modified Base and Sub-Base Materials for Surfaced Road Pavements (Edition 5, June 1998).
Table 3051.2 Unbound and Modified Material (Based on Shear Strength).

Test Method AS1289.3.6.1				**Results**				
Determination of the particle size distribution of a soil (standard method of analysis by sieving).				**Client Sample No.**				
				P255807	P255808	P255809	P255810	P255811
				Laboratory Sample No.				
				197053	197054	197055	197056	197057
	RTA QA Spec. 3051.2	**Nominated Grading**	**Grading Tolerance RTA QA Spec. 3051.2**					
A. S. Sieve	**% Passing**	**% Passing**	**% Variation**	**% Passing**				
26.5mm	**100**	100	**± 10**	100	100	100	100	100
19.0mm	-	98	**± 10**	98	98	99	97	97
13.2mm	-	86	**± 8(2)**	87	88	87	85	85
9.5mm	-	77	-	77	77	78	76	75
6.7mm	**50-80**	67	**± 5(2)**	67	68	69	66	65
4.75mm	-	58	-	58	59	60	57	56
2.36mm	-	45	**± 4(2)**	45	45	46	44	43
425μm	-	22	**± 3(1)**	21	23	22	21	22
75μm	-	5	**± 2(1)**	4	5	5	5	6
13.5μm	-	-	-	-	-	-	-	-
Total defect points (as per Spec. RTA 3051.2 **Max. 5.0 per sample**).				0.0	0.0	0.0	0.0	0.0
Average defect points (as per Spec. RTA 3051.2 **Max. average of 3.0**).				0.0				
Notes :	1. Numerical value in brackets refers to defect weighting values as per RTA Table 3051.2. 2. Dry sieving done on materials retained on 2.36mm sieve as per item 5.5.3 of the Standard.							

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Approved Signatory **Artemio Mendoza**

Date 18.10.17 Serial No. 161749

Accredited for compliance with ISO/IEC 17025

NATA Accredited Laboratory
Number: 547

TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/17
PROJECT:	Quality Control Testing	REQUEST No:	75210
MATERIAL:	Unbound Base S/P 206 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	28.9.17
		DATE TESTED:	3.10.17 to 17.10.17

Test Methods RMS T108 and T109		Results				
Liquid Limit, Plastic Limit and Plasticity Index of road materials. (RMS T108 and T109 now refer to AS1289.3.1.1 Liquid Limit, AS1289.3.2.1 Plastic Limit and AS1289.3.3.1 Plasticity Index)		**Client Sample No.**				
		P255807	P255808	P255809	P255810	P255811
		Laboratory Sample No.				
		197053	197054	197055	197056	197057
	RTA QA Spec. 3051.2					
Liquid Limit (%)	**Max. 27 if non-plastic**		**N/A***		**N/A***	
Plastic Limit (%)	**Max. 20 if plastic**		**N/A****		**N/A****	
Plasticity Index (%)	**Max. 6 for Categories 1, 2a, 2b, 2c and 2d**		**NP**		**NP**	
Sample history				**OD**		
Preparation method				**DS**		
Method used for moisture content determination				**N/App.**		

N/A* - Test is not applicable due to continual slippage in bowl. Liquid Limit could not be obtained. **NP** - Non-plastic.
N/A** - Unable to roll, plastic limit could not be obtained. **N/App.** - Not Applicable.
Sample history:- NS = Natural state, AD = Air dried, **OD** = Oven dried at 50°C, UN = Unknown
Preparation method:- WS = Wet sieved, **DS** = Dry sieved

Test Method RMS T215		Results				
Wet / Dry Strength Variation.		**Client Sample No.**				
		P255807	P255808	P255809	P255810	P255811
		Laboratory Sample No.				
		197053	197054	197055	197056	197057
	RTA QA Spec. 3051.2			Samples combined		
Wet / Dry Strength Variation (%)	**Maximum 35**			**21**		
Average Dry Strength (kN)	**-**			**139**		
Average Wet Strength (kN)	**Minimum 70**			**109**		
Size of test fraction (mm)				-19.0 to +9.5		
Significant breakdown (%)				<0.2		
Diameter of cylinder used (mm)				150		

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TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/17
PROJECT:	Quality Control Testing	REQUEST No:	75210
MATERIAL:	Unbound Base S/P 206 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	28.9.17
		DATE TESTED:	3.10.17 to 17.10.17

Test Method RMS T114		Results				
Maximum Dry Compressive Strength (MDCS) of Road Construction Materials.		**Client Sample No.**				
		P255807	P255808	P255809	P255810	P255811
		Laboratory Sample No.				
		197053	197054	197055	197056	197057
	RTA QA Spec. 3051.2	Samples combined				
MDCS (MPa)	**Minimum 1.7**	**2.0**				
Optimum Moisture Content at MDCS (%)		12.5				
Straddling achieved ? Yes or No.		Yes				

Test Method RMS T111	Results				
Dry Density / Moisture Relationship of Road Construction Materials.	**Client Sample No.**				
	P255807	P255808	P255809	P255810	P255811
	Laboratory Sample No.				
	197053	197054	197055	197056	197057
	Samples combined				
Maximum Dry Density (t/m^3)	**1.818**				
Optimum Moisture Content (%)	**14.5**				
Amount of material retained on 19.0mm sieve (%)	2				

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TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/17
PROJECT:	Quality Control Testing	REQUEST No:	75210
MATERIAL:	Unbound Base S/P 206 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	28.9.17
		DATE TESTED:	3.10.17 to 17.10.17

Test Method RMS T171 - Texas TXL	**Results**				
	Client Sample No.				
Modified Texas Triaxial Compression Test for Pavement Materials.	P255807	P255808	P255809	P255810	P255811
	Laboratory Sample No.				
	197053	197054	197055	197056	197057
	Samples combined				
Modified Texas Triaxial Classification No.	**2.4**				
Angle of shear resistance (deg.)	49.6				
Apparent cohesion (KPa)	64.9				
Average compressive modulus (MPa)	36.2				
Average Relative Density (% MDD)	100.5				
Average Relative Moisture content % OMC (at moulding)	84.5				
Target density (t/m^3)	1.818				
Target Moisture content (%)	12.3				
Amount of material retained on 37.5mm sieve (%)	0				
Normal Stress (kPa)	10	30	60	90	
Compressive Modulus (MPa)	23.1	35.1	35.5	51.2	
Dry Density of Specimen (t/m^3)	1.830	1.831	1.823	1.825	
Relative Dry Density of specimen (%MDD)	100.7	100.7	100.3	100.4	
Moisture content after testing (%)	12.2	12.2	12.3	12.3	

Table 3051.2 - Unbound and Modified Materials (based on shear strength) specification requirements.

(For interpretation of results refer to RTA 3051).

Modified Texas Triaxial Classification No.	**2.4**
For Category 1 materials	Maximum 2.0
For Category 2a materials	Maximum 2.2
For Category 2b materials	Maximum 2.5
For Category 2c and 2d materials	Maximum 3.0

TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/17
PROJECT:	Quality Control Testing	REQUEST No:	75210
MATERIAL:	Unbound Base S/P 206 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	28.9.17
		DATE TESTED:	3.10.17 to 17.10.17

Test Method AS1289.3.6.1				**Results**
Determination of the particle size distribution of a soil (standard method of analysis by sieving).				**Client Sample No.** P255807 | P255808 | P255809 | P255810 | P255811 **Laboratory Sample No.** 197053 | 197054 | 197055 | 197056 | 197057
A. S. Sieve	**RTA QA Spec. 3051.2 % Passing**	**Nominated Grading** (refer to page 1) **% Passing**	**Grading Tolerance RTA QA Spec. 3051.2 % Variation**	Samples combined AS1289.3.6.1 Particle size distribution of material after RMS T171 (Texas Triaxial Test), as per notes in Table 3051.2 (viii). **% Passing**
26.5mm	**100**	100	**± 10**	100
19.0mm	-	98	**± 10**	98
13.2mm	-	86	**± 8 (2)**	87
9.5mm	-	-	-	76
6.7mm	**50-80**	67	**± 5 (2)**	67
4.75mm	-	-	-	58
2.36mm	-	45	**± 4 (2)**	46
1.18mm	-	-	-	36
600µm	-	-	-	28
425µm	-	22	**± 3 (1)**	22
300µm	-	-	-	16
150µm	-	-	-	8
75µm	-	5	**± 2 (1)**	5
Total defect points (as per Spec. RTA 3051-13.2. **Max. 5.0 per sample**).				0.0
Notes :	1. Numerical value in brackets refers to defect weighting values as per RTA Table 3051.2.			
	2. Dry sieving done on materials retained on 2.36mm sieve as per item 5.5.3 of the Standard.			

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Materials Technical Services

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TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/17
PROJECT:	Quality Control Testing	REQUEST No:	75210
MATERIAL:	Unbound Base S/P 206 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	28.9.17
		DATE TESTED:	3.10.17 to 17.10.17

Test Method RMS T276		**Results**	
Foreign materials content in recycled crushed concrete (material retained on 4.75mm sieve).		**Client Sample No.** P255809 **Laboratory Sample No.** 197055	
	RTA QA Spec. 3051.3 Maximum Content (%)	**Content (%)**	
Type I Foreign Material			
Traffic categories 1, 2a, 2b	**3.0**	**0.0**	
Traffic categories 2c, 2d	**5.0**		
Type II Foreign Material			
Traffic categories 1, 2a, 2b	**0.2**	**0.0**	
Traffic categories 2c, 2d	**0.5**		
Type III Foreign Material			
Traffic categories 1, 2a, 2b	**0.1**	**0.0**	Paper = 0.001 Wood = 0.008 Plastic = 0.000 Rubber = 0.000
Traffic categories 2c, 2d	**0.2**		

Type I Foreign Material - Metal, glass, asphalt, stone, ceramics and slag (other than blast furnace slag).
Type II Foreign Material - Plaster, clay lumps, and other friable material.
Type III Foreign Material - Rubber, plastic, bitumen, paper, cloth, paint, wood and other vegetable matter.

Note: Samples provided by client.

S. MURCOTT, T. MEEHAN, A. WALLACE, S. ANDRADE, J. SWEENEY, M. HOLZ, D. SIMPSON, A. VELLA, J. ADAMS, M. FORMOSA, FILE.

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Ref: 2017 197053-197057 Unbound Base SP 206 (0-4kt) RMS T116 T111 UCS rev 1 7d acc
Page 1 of 1
Report Template Rev 2 Dec 2012 Authorised by A. Mendoza

TEST REPORT

CLIENT: BORAL RECYCLING PTY LTD (St. Peters)
PROJECT: Quality Control Testing
MATERIAL: Unbound Base S/P 206 (0 - 4,000 tonnes)

FILE No: 34/17
REQUEST No: 75210
DATE SAMPLED: 28.9.17
DATE COMPACTED: 4.10.17
DATE TESTED: 11.10.17

Test Method RMS T116	**Results**
Determination of Unconfined Compressive Strength (UCS) of Remoulded Road Construction Materials.	**Client Sample No.** P255807 . . . P255811 **Laboratory Sample No.** 197053 . . . 197057
	Samples combined
Material description	Unbound Base S/P 206
Material retained on 19.0mm sieve (%)	2
Test Method RMS T111	**Dry Density / Moisture Relationship of Road Construction Materials.**
Maximum Dry Density (t/m^3)	1.818
Optimum Moisture Content (%)	14.5
Method used to determine moisture content	RMS T120
Compactive effort	Standard
Test Method RMS T116	**Unconfined Compressive Strength (UCS)**
Curing conditions of UCS specimens	Specimens wrapped in protective cover & cured at 65°C ± 5°C
Time between mixing binder & completion of moulding	Self cementing
Compactive effort	Standard
Curing period	7 days ± 6 hours accelerated
Dry density at compaction (t/m^3)	1.82 , 1.82
Moisture content at compaction (%)	14.5 , 14.5
Method used to determine moisture content	RMS T120
Condition of specimen after curing	Moist
UCS (MPa)	0.40 , 0.50
Average UCS (MPa)	**0.5**

Note: Samples provided by client.

S. MURCOTT, T. MEEHAN, A. WALLACE, S. ANDRADE, J. SWEENEY, M. HOLZ, D. SIMPSON, A. VELLA, J. ADAMS, M. FORMOSA, FILE

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Approved Signatory

Date 18.10.17 Serial No. 161750

Accredited for compliance with ISO/IEC 17025

Artemio Mendoza

NATA Accredited Laboratory
Number: 547

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Ref: 2017 197053-197057 Unbound Base SP 206 (0-4kt) RMS T116 T111 UCS rev 1 28d norm
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TEST REPORT

CLIENT: BORAL RECYCLING PTY LTD (St. Peters)
PROJECT: Quality Control Testing
MATERIAL: Unbound Base S/P 206 (0 - 4,000 tonnes)

FILE No: 34/17
REQUEST No: 75210
DATE SAMPLED: 28.9.17
DATE COMPACTED: 4.10.17
DATE TESTED: 1.11.17

Test Method RMS T116	**Results**
Determination of Unconfined Compressive Strength (UCS) of Remoulded Road Construction Materials.	**Client Sample No.** P255807 . . . P255811 **Laboratory Sample No.** 197053 . . . 197057
	Samples combined
Material description	Unbound Base S/P 206
Material retained on 19.0mm sieve (%)	2
Test Method RMS T111	**Dry Density / Moisture Relationship of Road Construction Materials.**
Maximum Dry Density (t/m^3)	1.818
Optimum Moisture Content (%)	14.5
Method used to determine moisture content	RMS T120
Compactive effort	Standard
Test Method RMS T116	**Unconfined Compressive Strength (UCS)**
Curing conditions of UCS specimens	Specimens wrapped in protective cover & cured at 23°C ± 2°C
Time between mixing binder & completion of moulding	Self cementing
Compactive effort	Standard
Curing period	28 days ± 6 hours normal
Dry density at compaction (t/m^3)	1.82 , 1.83
Moisture content at compaction (%)	14.5 , 14.5
Method used to determine moisture content	RMS T120
Condition of specimen after curing	Moist
UCS (MPa)	0.35 , 0.35
Average UCS (MPa)	**0.4**

Note: Samples provided by client.

S. MURCOTT, T. MEEHAN, A. WALLACE, S. ANDRADE, J. SWEENEY, M. HOLZ, D. SIMPSON, A. VELLA, J. ADAMS, M. FORMOSA, FILE

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Approved Signatory

Artemio Mendoza

Date 2.11.17 Serial No. 162264

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Geotechnics / Environment / Groundwater

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Memorandum

To	Walan Construction Services	Simon Jones	simon.jones@walan.com.au	
From	Peter Oitmaa		**Date**	28 October 2017
Subject	Record of VENM Inspection #1 Building C – West End Residences, Glebe		**Project No.**	45893.04

As requested, Douglas Partners visited the above site on 24 October 2017 for the purpose of inspecting an area which had been stripped of existing filling/soil to determine whether the underlying sandstone bedrock can be removed from the site as Virgin Excavated Natural Material (VENM). The area of the inspection is within the basement zone of Building C, excluding the southern boundary where an existing fill embankment is present against which a new embankment to support a working platform for a piling rig is being constructed. A photograph of the site taken at the time of the inspection is shown in Figure 1.

Figure 1: Photograph of inspection area on 24 October 2017

It is understood that JBS Environmental Pty Ltd (JBS) prepared a Remediation Action Plan (RAP) for the site in 2010 to deal with heavy metal, PAH and asbestos-impacted filling (Ref. JBS41081-14458). JBS prepared a validation report following the removal of this material (Ref. JBS41716-19299) in 2012 which confirmed that all impacted filling had been removed from the site apart from along the southern boundary, the sewer trench alignment and the roadway that separates Buildings A and C. Douglas Partners reviewed these documents in 2016 (Ref. 45893.03.R.002).

Walan has recently stripped the existing filling/soil from the bedrock surface. This material was stockpiled on site and Douglas Partners has prepared an Excavated Natural Material (ENM) Classification (Ref. 45893.04.R.005.Rev0) and a Waste Classification (Ref. 45893.04.R.006.Rev0) to allow for the removal of these stockpiles. The stockpiles are not the subject of this VENM assessment.

Sandstone bedrock has been exposed across the inspection area. On the basis of the JBS reports described above and the inspection undertaken by the writer on 24 October 2017, it is considered that the sandstone bedrock excavated from the inspection area can be described as VENM upon excavation and can be transported from the site as such.

Limitations

Douglas Partners Pty Ltd (DP) has prepared this report for a project at Building C – West End Residences, Glebe, in accordance with instructions received from Walan Construction Services Pty Ltd. The report is provided for the use of Walan Construction Services Pty Ltd for this project only and for the purpose(s) described in the report. It should not be used for other projects or by a third party.

The advice provided in the report is indicative of the conditions observed at the time of the inspection. Subsurface conditions can change abruptly due to variable geological processes and also as a result of anthropogenic influences. In preparing this report DP has necessarily relied upon information provided by the client and/or their agents.

This report must be read in conjunction with all of the attached notes and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion given in this report.

We trust the above information meets your present requirements.

Yours faithfully,
Douglas Partners Pty Ltd

Peter Oitmaa
Principal

Reviewed by

John Russell
Associate

Attachments: Notes About this Inspection Report

About this Inspection Report

Douglas Partners

Introduction

These notes are provided to amplify DP's inspection report in regard to the limitations of carrying out inspection work. Not all notes are necessarily relevant to this report.

Standards

This inspection report has been prepared by qualified personnel to current engineering standards of interpretation and analysis.

Copyright and Limits of Use

This inspection report is the property of DP and is provided for the exclusive use of the client for the specific project and purpose as described in the report. It should not be used by a third party for any purpose other than to confirm that the construction works addressed in the report have been inspected as described. Use of the inspection report is limited in accordance with the Conditions of Engagement for the commission.

DP does not undertake to guarantee the works of the contractors or relieve them of their responsibility to produce a completed product conforming to the design.

Reports

This inspection report may include advice or opinion that is based on engineering and/or geological interpretation, information provided by the client or the client's agent, and information gained from:

- an investigation report for the project (if available to DP);
- inspection of the work, exposed ground conditions, excavation spoil and performance of excavating equipment while DP was on site;
- investigation and testing that was carried out during the site inspection;
- anecdotal information provided by authoritative site personnel; and
- DP's experience and knowledge of local geology.

Such information may be limited by the frequency of any inspection or testing that was able to be practically carried out, including possible site or cost constraints imposed by the client/ contractor(s). For these reasons, the reliability of this inspection report is limited by the scope of information on which it relies.

Every care is taken with the inspection report as it relates to interpretation of subsurface conditions and any recommendations or suggestions for construction or design. However, DP cannot anticipate or assume responsibility for:

- unexpected variations in subsurface conditions that are not evident from the inspection; and
- the actions of contractors responding to commercial pressures.

Should these issues occur, then additional advice should be sought from DP and, if required, amendments made.

This inspection report must be read in conjunction with any attached information. This inspection report should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions from review by others of this inspection report or test data, which are not otherwise supported by an expressed statement, interpretation, outcome or conclusion stated in this inspection report.

WestConnex New M5

CPB CONTRACTORS DRAGADOS SAMSUNG C&T

Minimisation of Steel Staples in Tunnel Spoil

Project Name: WestConnex New M5

Project number: 15.7020.2597
Document number: M5N-ES-PRC-PWD-0045

Revision date: 12/04/2017
Revision: 00

Document Approval

Rev.	Date	Prepared by	Reviewed by	Approved by	Remarks
00	12/04/2017	R. Spencer	M. Buterin	G. Andersen	
Signature:			13 APR 2017	17/5/17.	

1 Purpose

The purpose of this document is to address a specific request from CDS representatives and to provide a procedure (work instruction) which sets out the actions that will be undertaken to minimise the presence of steel staples in tunnel spoil delivered from the new M5 tunnels to future specified disposal site(s).

2 Tunnel Alignment and Excavation Process

The geology for the WestConnex Project comprises predominantly Ashfield Shale, Mittagong Formation and the underlying Hawkesbury Sandstone. The majority of the tunnel excavation is within Hawkesbury Sandstone.

Tunnel excavation will be generally done in two stages.

- The first stage is the heading excavation which is the top part of the overall tunnel excavation.
- The second stage is the bench excavation which is the bottom part of the overall tunnel excavation.
- In general the heading makes up the upper two thirds of the tunnel cross section and the bench makes up the lower one third of the tunnel cross section.

For a typical heading excavation cycle a Roadheader, as listed below, excavates approximately 5.5 lineal metres into unsupported ground.

- The excavated material falls onto the apron of the roadheader and is loaded by conveyor directly onto a dump-truck, which transports the material to the spoil shed.
- Once 5.5m has been excavated, ground support must be installed before the next excavation cycle can begin.
- Ground support is provided by the installation of rock bolts into the tunnel roof followed by the placement of a layer of shotcrete. The rock bolts prevent the larger rock mass above from falling in and the layer of shotcrete prevents rock fragments falling from the tunnel roof.

The second stage of the tunnel excavation, which involves excavation of the bench, will follow approximately 200m behind the roadheader. Excavation process for the bench can be carried out by hydraulic hammers or potentially Roadheader or drill and blast. Excavated material from these processes are loaded onto dump-trucks to transport the material to the spoil shed.

3 Shotcrete

Shotcrete is an essential and fundamental part of the tunnelling process, which forms part of the ground support, to ensure safety of tunnel personnel and long term stability of the tunnels.

The shotcrete for the tunnels is comprised of sand, cement, aggregate, water, and steel staples. A cubic metre of shotcrete weighs approximately 2400kg and contains 40kg of steel staples.

As the shotcrete is sprayed onto the tunnel roof (and where required walls) some shotcrete rebounds and falls to the tunnel floor. Although shotcrete application is designed to minimise the amount of rebound material, there is typically about 15% of the sprayed shotcrete which falls to the floor. The amount of rebound varies based on ground conditions (friable rock, amount of water), profile of the excavation, design thickness and staging of the shotcrete and skill of the operators.

At the tunnel entrances, the shotcrete thickness is typically 300mm, whereas on the mainline tunnel, the shotcrete is typically 50mm. Hence the amount of rebound shotcrete for mainline works is about 15% of that at the start of tunnelling works.

4 Steel Staples in Tunnel Spoil

When the next cycle of the tunnel excavation proceeds, rebound shotcrete, which has fallen to the tunnel floor, is removed with the excavated material.

The theoretical quantity of steel staples in typical mainline tunnel spoil from tunnel heading excavation can be calculated as shown below;

Typical 5.5m heading advance excavation volume = 350m^3 = 875,000kg
Typical shotcrete spray volume for 5.5m advance = 7.00m^3
Typical quantity of rebound shotcrete from 5.5m advance = 1.05 m^3
Quantity of steel staples in rebound shotcrete = 42kg
Maximum percentage of steel staples in tunnel spoil = 42/875,000 = 0.0048%

For stage 2 tunnel excavation, where the bench is removed, shotcreting is generally not required when in sandstone support types.

5 Procedure for Minimisation of Steel Staples in Tunnel Spoil

In order to minimise the amount of shotcrete in the spoil, the following procedures will be employed by CDS to reduce the presence of steel staples in tunnel spoil.

1. All applicators of tunnel shotcrete will undertake and complete training EFNARC (European Federation of National Associations Representing producers and applicators of specialist building products for Concrete) or the nationally recognised competency assessment, RIIUND310 - Apply Shotcrete Underground. This will ensure that operators are trained in the principals of techniques to minimise shotcrete rebound.
2. An excavator or front end loader will be used to separately load shotcrete fallout (any large amounts of shotcrete that fall from the roof or walls prior to fully setting) or shotcrete

waste from unblocking or cleaning up the shotcrete pump into a dump truck, which will transport the material to the spoil shed, where it will be tipped in a separate stockpile from the tunnel spoil.

3. To overcome the Roadheader apron inadvertently picking up "shotcrete fallout" or "waste shotcrete" as the Roadheader moves back to the face the operator will ensure that the apron of the roadheader is raised when the roadheader moves into position for the next cut to prevent this shotcrete being collected on the apron and the potential for mixing with excavated tunnel material.

6 Distribution of this Procedure

This procedure is to be distributed to the following WestConnex M5 Personnel.

1. Tunnelling Construction / Project Managers
2. Tunnelling Project Engineers
3. Tunnelling Site Engineers
4. Tunnelling Superintendents
5. Tunnelling Supervisors
6. Tunnelling Environmental Coordinators

Resource Recovery Exemption under Part 9, Clauses 91 and 92 of the Protection of the Environment Operations (Waste) Regulation 2014

The WestConnex Stage 1B tunnel spoil exemption 2016

Introduction

This exemption, issued by the Environment Protection Authority (EPA) under clauses 91 and 92 of the Protection of the Environment Operations (Waste) Regulation 2014 (Waste Regulation), exempts a consumer of WestConnex Stage 1B tunnel spoil from certain requirements in relation to the application of that waste to land or use as a raw material, provided the consumer complies with the conditions of this exemption.

This exemption should be read in conjunction with 'the WestConnex Stage 1B tunnel spoil order 2016'. This exemption applies to WestConnex Stage 1B tunnel spoil that is, or is intended to be, applied to land as engineering fill, or for use in earthworks, or for use as an alternative raw material in the manufacture of bricks.

1. Waste to which this exemption applies

1.1. This exemption applies to WestConnex Stage 1B tunnel spoil. In this exemption, WestConnex Stage 1B tunnel spoil means up to 2,354,000 m^3 of naturally occurring rock and soil (including but not limited to materials such as sandstone, shale, clay and soil) that:

(a) has been generated from the WestConnex Stage 1B Project extending from the Homebush Bay Interchange to the Parramatta Road and Wattle Street Interchange;
(b) has been virgin excavated by the use of roadheaders;
(c) contains a known quantity of shotcrete of up to 0.5% by weight;
(d) has not been contaminated with manufactured chemicals or process residues (except for shotcrete); and
(e) does not meet the definition of virgin excavated natural material in the POEO Act.

WestConnex Stage 1B tunnel spoil does not include material that has been processed; or that contains asbestos, Acid Sulfate Soils (ASS), Potential Acid Sulfate soils (PASS) or sulfidic ores.

1. Persons to whom this exemption applies

1.1. This exemption applies to any person who applies or intends to apply WestConnex Stage 1B tunnel spoil as set out in 1.1.

2. Duration

2.1. This exemption commences on 25 November 2016 and is valid until 25 November 2019 or unless revoked by the EPA by notice in writing at an earlier date.

3. Premises to which this exemption applies

4.1 This exemption applies to the premises at which the consumer's actual or intended application of WestConnex Stage 1B tunnel spoil is carried out.

4. Exemption

4.1. Subject to the conditions of this exemption, the EPA exempts each consumer from the following provisions of the POEO Act and the Waste Regulation in relation to the consumer's actual or intended application of WestConnex Stage 1B tunnel spoil to land as engineering fill, or use in earthworks, or for use as an alternative input into thermal processes for non-energy recovery purposes in the manufacture of bricks at the premises

- section 48 of the POEO Act in respect of the scheduled activities described in clauses 39, 40 and 42 of Schedule 1 of the POEO Act;
- Part 4 of the Waste Regulation;
- section 88 of the POEO Act; and
- clause 109 and 110 of the Waste Regulation.

4.2. The exemption does not apply in circumstances where WestConnex Stage 1B tunnel spoil is received at the premises for which the consumer holds a licence under the POEO Act that authorises the carrying out of the scheduled activities on the premises under clause 39 'waste disposal (application to land)' or clause 40 'waste disposal (thermal treatment)' of Schedule 1 of the POEO Act.

5. Conditions of exemption

The exemption is subject to the following conditions:

5.1. At the time WestConnex Stage 1B tunnel spoil is received at the premises, it must meet all material requirements for WestConnex Stage 1B tunnel spoil which are required under 'the WestConnex Stage 1B tunnel spoil order 2016'.

5.2. WestConnex Stage 1B tunnel spoil can only be:

5.2.1. applied to land as engineering fill, or use in earthworks, or

5.2.2. used as an alternative input into thermal processes for non-energy recovery purposes in the manufacture of bricks.

5.3. The consumer must keep a written record of the following for a period of six years:

5.3.1. the quantity of WestConnex Stage 1B tunnel spoil received; and

5.3.2. the name and address of the supplier of WestConnex Stage 1B tunnel spoil received.

5.4. The consumer must make any records required to be kept under this exemption available to authorised officers of the EPA on request.

5.5. The consumer must ensure that any application of WestConnex Stage 1B tunnel spoil to land must occur within a reasonable period of time after receipt.

6. Definitions

In this exemption:

application or apply to land means applying to land by:

- spraying, spreading or depositing on the land;
- ploughing, injecting or mixing into the land; or
- filling, raising, reclaiming or contouring the land.

consumer means:

- a person who applies, or intends to apply, WestConnex Stage 1B tunnel spoil to land; and
- a person who uses, or intends to use, WestConnex Stage 1B tunnel spoil in connection with a process involving thermal treatment.

generator means a person who generates WestConnex Stage 1B tunnel spoil for supply to a consumer. The generator in this exemption is CPB Contractors / Samsung / John Holland Joint Venture.

metal staples means small pieces of metal that resemble the shape of staples, with each staple having an approximate dimension of 35 mm x 0.5 mm.

shotcrete means grout reinforced with metal staples used to line the tunnel of WestConnex Stage 1B Project.

25.11.16

Manager Waste Strategy and Innovation
Environment Protection Authority
(by delegation)

Notes

The EPA may amend or revoke this exemption at any time. It is the responsibility of the consumer to ensure they comply with all relevant requirements of the most current exemption.

In gazetting or otherwise issuing this exemption, the EPA is not in any way endorsing the use of this substance or guaranteeing that the substance will confer benefit.

The conditions set out in this exemption are designed to minimise the risk of potential harm to the environment, human health or agriculture, although neither this exemption nor the accompanying order guarantee that the environment, human health or agriculture will not be harmed.

The consumer should assess whether or not WestConnex Stage 1B tunnel spoil is fit for the purpose the material is proposed to be used for, and whether this use will cause harm. The consumer may need to seek expert engineering or technical advice.

Regardless of any exemption provided by the EPA, the person who causes or permits the application of the substance to land must ensure that the action is lawful and consistent with any other legislative requirements including, if applicable, any development consent(s) for managing operations on the site(s).

The receipt of WestConnex Stage 1B tunnel spoil remains subject to other relevant environmental regulations in the POEO Act and the Waste Regulation. For example, a person who pollutes land (s. 142A) or water (s. 120), or causes air pollution through the emission of odours (s. 126), or does not meet the special requirements for asbestos waste (Part 7 of the Waste Regulation), regardless of having an exemption, is guilty of an offence and subject to prosecution.

This exemption does not alter the requirements of any other relevant legislation that must be met in utilising this material, including for example, the need to prepare a Safety Data Sheet (SDS).

Failure to comply with the conditions of this exemption constitutes an offence under clause 91 of the Waste Regulation.

Our reference: DOC17/131097

Brad May
Epic Environmental Pty Ltd
Suite 4a, 88 Cumberland St
The Rocks NSW 2000

Dear Mr May

FINAL Resource Recovery Order and Resource Recovery Exemption for WestConnex Stage 2 tunnel spoil

I am writing in response to your application received 13 January 2017 in support of a Resource Recovery Order and Resource Recovery Exemption for WestConnex Stage 2 tunnel spoil.

The Environment Protection Authority (EPA) received your response dated 24 February 2017 and has taken into consideration your comments. I am pleased to enclose a finalised copy of ‘The WestConnex Stage 2 tunnel spoil order 2017’ (order) and ‘The WestConnex Stage 2 tunnel spoil exemption 2017’ (exemption).

The conditions set out in the order and exemption are designed to minimise the risk of potential harm to the environment, human health or agriculture, although neither the order nor the exemption guarantee that the environment, human health or agriculture will not be harmed. The liability for any harm rests with the person who causes or permits the application of the substance to land.

The order and exemption will commence on 13 March 2017 and are valid until 13 March 2020 or until revoked by the EPA by notice in writing at an earlier date. The order and exemption will expire prior to 13 March 2020 if and when all of the WestConnex Stage 2 tunnel spoil has been land applied in accordance with the order and exemption.

If you have comments, feedback or additional questions, please contact Alan Ly on (02) 9995 5715 or, alternatively, send to waste.exemptions@epa.nsw.gov.au.

Please note, you must notify the EPA within seven days of becoming aware that you have not complied with any requirement of the order or exemption. Please send information on non-compliances to waste.exemptions@epa.nsw.gov.au.

Yours sincerely

[redacted] **13.03.17**

HENRY MOORE
Manager Waste Strategy and Innovation
Environment Protection Authority

Enclosure
FINAL copy of ‘‘The WestConnex Stage 2 tunnel spoil order 2017’
FINAL copy of ‘‘The WestConnex Stage 2 tunnel spoil exemption 2017’

PO Box A290 Sydney South NSW 1232
59-61 Goulburn St Sydney NSW 2000
Tel: (02) 9995 5000 Fax: (02) 9995 5999
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Waste Analysis & Classification Report

Waterloo Station Site, Botany Road and Cope Street, Waterloo NSW

Prepared for: John Holland CPB Ghella Joint Venture

SYM-06-13848 / WAC2
v1 final
10th April 2018

ADE CONSULTING GROUP
SOLUTIONS THROUGH INNOVATION

WASTE ANALYSIS AND CLASSIFICATION REPORT
SYM-06-13848 / WAC2 / v1 final

1. INTRODUCTION

1.1. Background

ADE Consulting Group Pty Ltd (ADE) was commissioned by John Holland CPB Ghella Joint Venture (JCGJV) to undertake a Waste Analysis and Classification Assessment of the subject stockpile within the Waterloo Station Site located at Botany Road and Cope Street, Waterloo New South Wales (NSW) (hereafter referred to as the 'Site') (refer to *Appendix I – Aerial Photograph*).

1.2. Site Information

Table 1. Summary of Site and Project Information.

Site Project Details	
Client:	John Holland CPB Ghella Joint Venture
ADE Project No:	SYM-06-13848 / WAC2 / v1 final
Site Address:	Botany Road and Cope Street, Waterloo NSW
Subject Stockpile:	Waterloo Station Site, approximately 30 m south east of the western entrance gate from Botany Road, subject stockpiled materials (refer to *Appendix I – Aerial Photograph*).
Date of Field Work:	22.03.2018
Date of Report:	10.04.2018
Volume of Material:	Approximately 200 m^3
Waste Matrix:	Stockpiled soil materials generally consisted of SANDY GRAVELS (GP): medium grained, poorly sorted, light brown to grey, angular to subangular gravels, moist. Foreign materials including but not limited to terracotta, glass, wood and aggregate. No Asbestos Containing Materials (ACM), paint chips, sulfidic ores, hydrocarbon odours / staining were identified within any of the materials inspected (refer to *Appendix II - Photographs*).

2. OBJECTIVES

The objective of works issued to ADE by the client was to classify the subject stockpile in accordance with the NSW Environment Protection Authority (NSW EPA) *Waste Classification Guidelines Part 1: Classifying Waste (2014)* for off-site disposal.

3. SCOPE OF WORK

The scope of work required to achieve the objectives of the investigation involved the following:

- Completion of a Safety, Health & Environment Work Method Statement prior to undertaking works;
- Inspection of the subject stockpile;
- Collection of discrete soil samples for chemical characterisation of the stockpiled materials;
- Collection of discrete soil samples for analysis of asbestos;
- Submission of collected samples under Chain of Custody (CoC) conditions to a National Association of Testing Authorities (NATA) accredited laboratory for analysis;
- Evaluation of analyte concentrations (results) in accordance with assessment criteria outlined in the NSW EPA's *Waste Classification Guidelines Part 1: Classifying Waste (2014)* for off-site disposal; and
- Preparation of a report outlining the investigation methodology, interpretation of the Site data (results), classification and conclusions.

4. PRELIMINARY DESKTOP STUDY

4.1. Former Waste Classification Reports and Anecdotal Information

ADE understands the subject stockpile was imported on to Site from a licensed recycling facility as part of ongoing development works at the Waterloo Station Site for the Sydney Metro Project, Sydney and South-West.

Sampling and chemical / asbestos analysis of the stockpiled soil materials was undertaken by Douglas Partners (DP) on the 15th and 21st February 2018 and the 6th March 2018. Fourteen (14) samples were collected over the three sampling events and analysed for:

- Heavy Metals – Arsenic, Cadmium, Chromium (III and IV), Copper, Lead, Mercury, Nickel and Zinc;
- Toxicity Characteristic Leaching Potential (TCLP) – Lead and Benzo(a)pyrene;
- Total Recoverable Hydrocarbons (TRH);
- Polycyclic Aromatic Hydrocarbons (PAHs);
- Benzene, Toluene, Ethyl-Benzene and Xylene (BTEX);
- Organochlorine Pesticides (OCPs);
- Organophosphorous Pesticides (OPPs);
- Polychlorinated Biphenyls (PCBs);
- Total Phenolics; and
- Asbestos.

ADE was advised by JHCGJV that only the analytical reports provided are relevant to the subject stockpile and have been incorporated in to this Waste Analysis and Classification assessment and displayed in *Appendix IV – Results Table* with copies of the analytical reports provided in *Appendix V – Analytical Reports*. ADE cannot comment on the sampling locations, sampling methodology and Quality Assurance / Quality Control measures undertaken by DP.

4.2. Acid Sulfate Soils

The source location of the imported stockpiled soil materials was not made available to ADE at the time of writing this report. No visual or olfactory indicators of acids sulfate soils were observed during the field works (i.e. staining, sulfidic ores or odours).

4.3. NSW EPA Contaminated Land Register

A review of the NSW Office of Environment and Heritage (OEH) 'Contaminated Land – Record of Notices' listed by the NSW EPA under the *Contaminated Land Management Act 1997* identifies three former and eight current notices for Lawrence Dry Cleaners at 887-893 Bourke Street, Waterloo NSW. ADE considers a low risk of potential on-site migration of contaminants affecting the imported subject stockpile (refer to *Appendix III – Supporting Documents*).

A review of the 'List of NSW Contaminated Sites Notified to the EPA' listed by the NSW EPA under the *Contaminated Land Management Act 1997* identifies seven potentially contaminated sites within the suburb of Waterloo, however none related to the Site (refer to *Appendix III – Supporting Documents*).

5. SAMPLING PLAN, METHODOLOGY, FIELD INVESTIGATIONS AND INVESTIGATION PATTERN

5.1. Scope of Analysis

The following have been included within ADE's scope of analysis:

- Heavy Metals – Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel and Zinc (M8);
- TCLP – Benzo(a)pyrene;
- TRH;
- PAHs;
- BTEX;
- OCPs;
- OPPs;
- PCBs; and
- Asbestos.

5.2. Sampling Plan

For the assessment of the subject stockpile, ADE adopted a minimum sampling density prescribed in the 'Victorian EPA Industrial Waste Resource Guidelines for Soil Sampling (2010)' (VIC EPA) as referenced in the National Environmental Protection Measure – Assessment of Site Contamination 1999 (2013 Amendment) and summarised below.

Table 2. Minimum Sampling Density for Assessment of the Subject Stockpile.

Soil Volume (m^3)	Sample to Volume Ratio	Minimum Number of Samples Required	Approximate Size of the Stockpile (m^3)	Number of Test Pits / Soil Samples Collected[2]	Minimum Sampling Density Achieved?
≤75	1:25 (minimum 3 samples)	3	200 m^3	DP – 14 ADE – 8 Total – 22 Samples	Yes
76-100		4			
101-125		5			
126-150		6			
151-175		7			
176-200		8			
201-225		9			
226-250		10			
251-2500	1:250 (minimum 10 samples)[1]	10			

Notes to Table

1 – Sampling density increases from 1:25 to 1:250 as the 95% Upper Confidence Limit (UCL) of the Arithmetic Mean may be calculated.

2 – Additional sampling may have been collected by the Environmental Consultant in any area exhibiting discolouration, staining, odour or other indications of contamination inconsistent with soil samples collected.

5.3. Equipment Decontamination

ADE's standard decontamination procedures were undertaken before collecting each of the samples to avoid the possibility of cross-contamination. Dedicated disposable materials (e.g. nitrile gloves) were used which were changed between each sample. As such, additional decontamination procedures were not deemed necessary. All disposable sampling equipment and rubbish was collected and removed prior to leaving the Site.

5.4. Documentation

A field observation log was kept by sampling personnel. Details recorded in the log included:

- Location and sample number;
- Soil profile notes;
- Sampling method;
- Sample identification;
- Sample description; and
- Sample point measurements.

A comprehensive master sample register was maintained. As samples were received, they were given a unique sequential number from the sample register into which details from the labels were entered. Before packing and dispatch of samples for analysis, a CoC form was completed (refer to *Appendix VI – Chain of Custody*). This form recorded details of the individual samples being dispatched and the type of analysis required for each sample.

5.5. Sampling and Laboratory Submission

Test pits were advanced throughout the subject stockpile to maximum depths of 1.0 m below the stockpile surface using an excavator provided to ADE by the client. Samples were collected from the test pits at 0.8 m below the stockpile surface.

Field activities were conducted by an experienced Environmental Scientist. The discrete soil samples were placed in sterile glass jars with Teflon lined lids. The sterile glass jars were transferred to a cooler box which contained ice packs (or equivalent) present in order to maintain the samples at a temperature below approximately 4 ^{0}C.

The following outlines the NATA accredited laboratories used for analytical testing:

- Samples collected by ADE on 22nd March 2018 for analysis of Heavy Metals, TCLP – Benzo(a)pyrene, TRHs, PAHs, BTEX, OCPs, OPPs, PCBs and Asbestos were submitted to Sydney Laboratory Services (SLS).

Copies of the completed CoC forms were retained on the Central Filing System and the original was sent to the analytical laboratory together with the samples (refer to *Appendix VI – Chain of Custody).*

Table 3. Summary of ADE Samples Collected from the Subject Stockpile.

Test Pit (refer to *Appendix I – Aerial Photograph*)	**Sample I.D**	**Sample Matrix / Analysis**	**Sample Description**	**Sample Depth (m Below Stockpile Surface)**
Test Pit 1	13848-WAC2-TP1	Soil (chemical analysis) Soil (asbestos analysis)	SANDY GRAVELS (GP): medium grained, poorly sorted, light brown to grey, angular to subangular gravels, moist.	0.8
Test Pit 2	13848-WAC2-TP2	Soil (chemical analysis) Soil (asbestos analysis)		0.8
Test Pit 3	13848-WAC2-TP3	Soil (chemical analysis) Soil (asbestos analysis)		0.8
Test Pit 4	13848-WAC2-TP4	Soil (chemical analysis) Soil (asbestos analysis)		0.8
Test Pit 5	13848-WAC2-TP5	Soil (chemical analysis) Soil (asbestos analysis)		0.8
Test Pit 6	13848-WAC2-TP6	Soil (chemical analysis) Soil (asbestos analysis)		0.8
Test Pit 7	13848-WAC2-TP7	Soil (chemical analysis) Soil (asbestos analysis)		0.8
Test Pit 8	13848-WAC2-TP8	Soil (chemical analysis) Soil (asbestos analysis)		0.8

5.6. Limitations of Field Investigation

This report is limited to the specified subject stockpile. Soil material not within the subject stockpile, including the in-situ soil materials beneath or adjacent to the stockpile are not included within the scope of this report. The client must take care when removing the stockpile to not disturb soil materials not included in this classification.

6. SUMMARY OF RESULTS

6.1. Summary of Field Observations

Stockpiled soil materials generally consisted of SANDY GRAVELS (GP): medium grained, poorly sorted, light brown to grey, angular to subangular gravels, moist. Foreign materials including but not limited to terracotta, glass, wood and aggregate. No ACM, paint chips, sulfidic ores, hydrocarbon odours / staining were identified within any of the materials inspected (refer to *Appendix II - Photographs*).

Following visual inspection of the soil materials and surrounding site, the scope of analysis for soil samples listed in Section 5.1 of this report was considered adequate at the time of inspection.

The soils are not considered subject to a General Immobilisation Approval in accordance with Part 10 and Clause 155 of the Protection of the Environment Operations (Waste) Regulation 2014.

6.2. Waste Classification Assessment

The *Waste Classification Guidelines Part 1: Classifying Waste (2014)* for off-site disposal, classify wastes into groups that pose similar risk to the environment and human health.

The following classes of waste are defined in clause 49 of Schedule 1 of the Protection of the Environment Operations Act 1997 (POEO Act):

- Special waste;
- Liquid waste;
- Hazardous waste;
- Restricted solid waste;
- General solid waste (putrescible); and
- General solid waste (non-putrescible).

6.2.1. Steps 1 – 4 of the *Waste Classification Guidelines Part 1: Classifying Waste (2014)*

The waste classification guidelines outline steps to determine which of the aforementioned classifications applies to the waste being assessed.

Table 4. Review of Steps 1 - 4 of the Waste Classification Guidelines (2014).

Step	Outcome
Step 1 – Is the waste special waste?	**No** No asbestos containing materials were observed throughout the subject stockpile. No asbestos was detected within any of the soil samples collected from within subject stockpile (refer to *Appendix V – Analytical Reports*).
Step 2 – Is the waste liquid waste?	**No**
Step 3 – Is the waste pre-classified?	**No**
Step 4 – Does the waste possess hazardous characteristics?	**No**

6.2.2. Step 5 of the *Waste Classification Guidelines Part 1: Classifying Waste (2014): Determining a waste's classification using chemical assessment.*

A summary of analytical results to determine the chemical classification of the soil materials throughout subject stockpile are summarised on the following page in **Table 5**. For individual sample results refer to *Appendix V – Analytical Reports*.

Table 5. Summary of DP and ADE Analytical Results – Chemical Characterisation of the Subject Stockpile.

Site Assessment Criteria			Results			Conclusion
Analytes	**Maximum Values of Total Concentration Assigned for General Solid Waste CT1/CT2, mg/kg**	**Maximum Values of Total Concentration Assigned for General Solid Waste TCLP1 (mg/L) / SCC1 (mg/kg)**	**Maximum Total Concentration Detected, mg/kg**	**95% Upper Confidence Limit**	**Toxicity Characteristic Leaching Potential (TCLP) (mg/L)**	**Chemical Characterisation as General Solid Waste**
PAHs						
Total PAHs	200/800	NA/200	37	-	-	Acceptable
Benzo(a)pyrene	0.8/3.2	0.04/10	2.7	-	ND	Acceptable
OCPs						
Endosulfan[1]	60/240	3/108	ND	-	-	Acceptable
OPPs						
Chlorpyrifos	4/16	0.2/7.5	0.5	-	-	Acceptable
TRH						
C_6–C_9 Petroleum Hydrocarbons	650/2,600	NA/650	ND	-	-	Acceptable
C_{10}–C_{36} Petroleum Hydrocarbons	10,000/40,000	NA/10,000	800	-	-	Acceptable
BTEX						
Benzene	10/40	0.5/18	ND	-	-	Acceptable
Toluene	288/1,152	14.4/518	ND	-	-	Acceptable
Ethylbenzene	600/2,400	30/1,080	ND	-	-	Acceptable
Xylenes (Total)	1,000/4,000	50/1,800	ND	-	-	Acceptable
Heavy Metals						
Arsenic	100/400	5.0/500	ND	-	-	Acceptable
Cadmium	20/80	1.0/100	ND	-	-	Acceptable
Chromium (III, VI)	100/400	5/1,900	41			Acceptable
Chromium (Total)	NA	NA	27	-	-	Acceptable
Copper	NA	NA	40	-	-	Acceptable
Lead	100/400	5/1,500	**130**	-	ND	Acceptable
Mercury	4/16	0.2/50	0.2	-	-	Acceptable
Nickel	40/160	2/1,050	18	-	-	Acceptable
Zinc	NA	NA	290	-	-	Acceptable
PCBs						
Sum PCBs	<50/<50	NA/<50	2.4	0.9	-	Acceptable
Phenols						
Phenols (non-halogenated	288/1,152	14.4/518	ND	-	-	Acceptable

Notes to Table

ND – Not detected/below Practical Quantitation Limit (PQL); NA – Not Applicable

1 - Endosulfan (CAS Registry Number 115-29-7) means the total of Endosulfan I (CAS Registry Number 959-98-8), Endosulfan II (CAS Registry Number 891-86-1) and Endosulfan sulfate (CAS Registry Number 1031-07-8).

6.2.3. Step 6 of the *Waste Classification Guidelines Part 1: Classifying Waste (2014): Is the waste putrescible or non-putrescible?*

The stockpiled soil materials are considered to be classified as 'non-putrescible'.

7. CONCLUSIONS

Based on the data and evidence collected in the course of the investigation, it is the opinion of ADE that:

- The concentrations of Heavy Metals, TCLP – Benzo(a)pyrene, TCLP – Lead, TRHs, BTEX, PAHs, OCPs, OPPs, PCBs and Phenols in the soil samples collected from the subject stockpile meet the NSW EPA criteria assigned for **'General Solid Waste'**;

- The soil materials are considered to be classified as **'non-putrescible'**;

- No asbestos containing materials were observed throughout the subject stockpile or detected in any of the soil samples collected;

- No paint chips, sulfidic ores, hydrocarbon odours / staining were identified within any of the materials inspected; and

- The material being excavated and transported off-site for disposal must be from within the subject stockpile shown on the attached figure, and must be consistent with the waste description provided. If there are any unexpected finds that are not consistent with this classification, please contact ADE immediately on (02) 8541 7214.

8. CLASSIFICATION

Waste Description:	Stockpiled soil materials generally consisted of SANDY GRAVELS (GP): medium grained, poorly sorted, light brown to grey, angular to subangular gravels, moist. Foreign materials including but not limited to terracotta, glass, wood and aggregate. No ACM, paint chips, sulfidic ores, hydrocarbon odours / staining were identified within any of the materials inspected.
Approximate Waste Volume:	200 m^3
Waste Classification:	**General Solid Waste (non-putrescible)**

9. REFERENCES

- Australian Standard AS 4482.1 Guide to the sampling and investigation of potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds, 2005.

- Australian Standard AS 4482.2 Guide to the sampling and investigation of potentially contaminated soil. Part 2: Volatile compounds, 1999.

- Guidelines for the NSW Site Auditor Scheme, NSW DEC (NSW DECC), Second Edition, April 2006.

- National Environment Protection Council. (2013). National Environment Protection (Assessment of Site Contamination) Measure, 1999.

- Victorian EPA Industrial Waste Resource Guidelines for Soil Sampling, 2010.

- Waste Classification Guidelines - Part 1: Classifying Waste, NSW EPA, November 2014.

9. LIMITATIONS

This report has been prepared for the exclusive use of the client. ADE has used a degree of care and skill ordinarily exercised in similar investigations by reputable members of the environmental industry in Australia. No other warranty, expressed or implied, is made or intended. No one section or part of a section, of this report should be taken as giving an overall idea of this report. Each section must be read in conjunction with the whole of this report, including its appendices and attachments.

Any other party should satisfy themselves that the scope of work conducted and report herein meets their specific needs. ADE cannot be held liable for third party reliance on this document, as ADE is not aware of the specific needs of the third party.

The subsurface environment can present substantial uncertainty due to its complex heterogeneity. The conclusions presented in this report are based on limited investigation of conditions at specific sampling locations chosen to be as representative as possible under the given circumstances. However, it is possible that this investigation may not have encountered all areas of contamination at the Site due to the limited sampling and testing program undertaken.

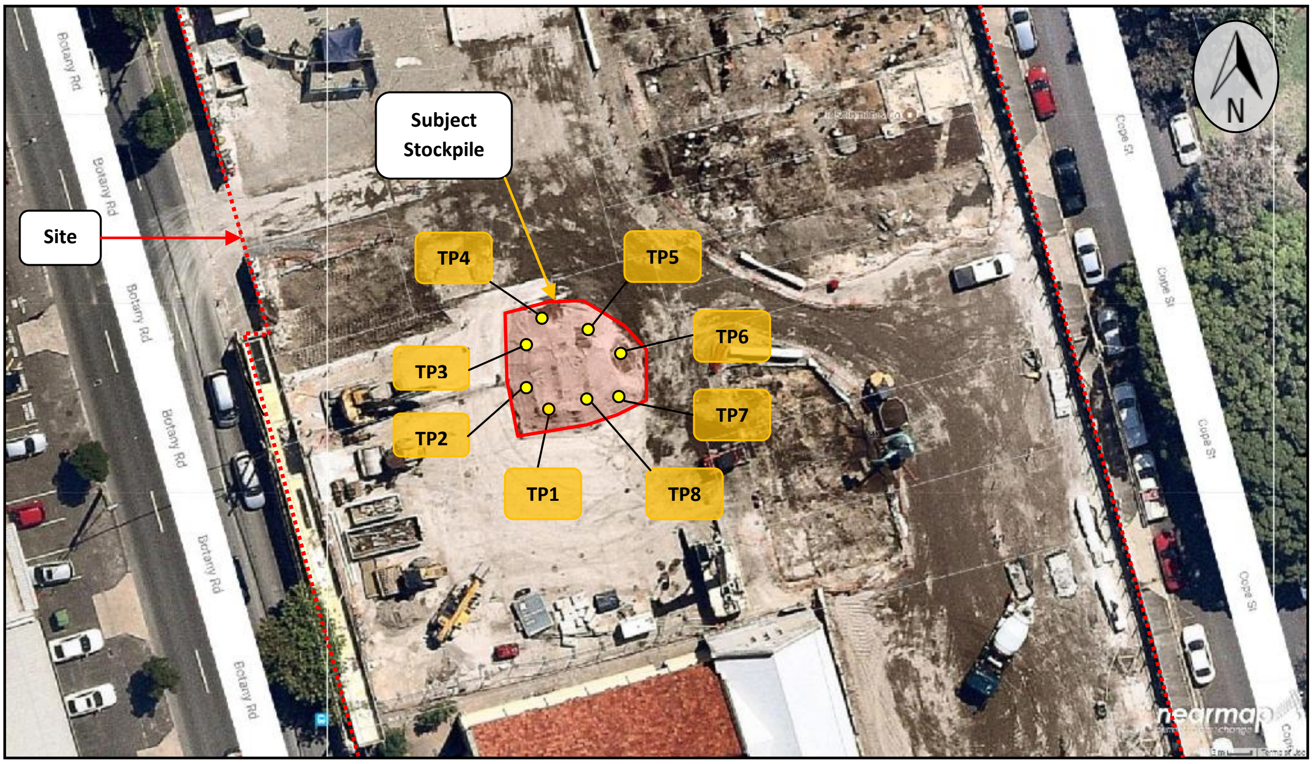
The material subject to classification pertains only to the Site and subject stockpile outlined within the report and must be consistent with the waste description reported. If there are any unexpected finds that are not consistent with this classification, ADE must be notified immediately.

ADE's professional opinions are based upon its professional judgement, experience, training and results from analytical data. In some cases further testing and analysis may be required, thus producing different results and / or opinions. ADE has limited its investigation to the scope agreed upon with its client.

Written by:
Edward Moss
Environmental Consultant
B. Sci. Hons (Geol.)

Reviewed by:
Matthew Toole
Project Manager
M. Sci. (Mar. Sci. & Mgt.)

APPENDIX I – AERIAL PHOTOGRAPH



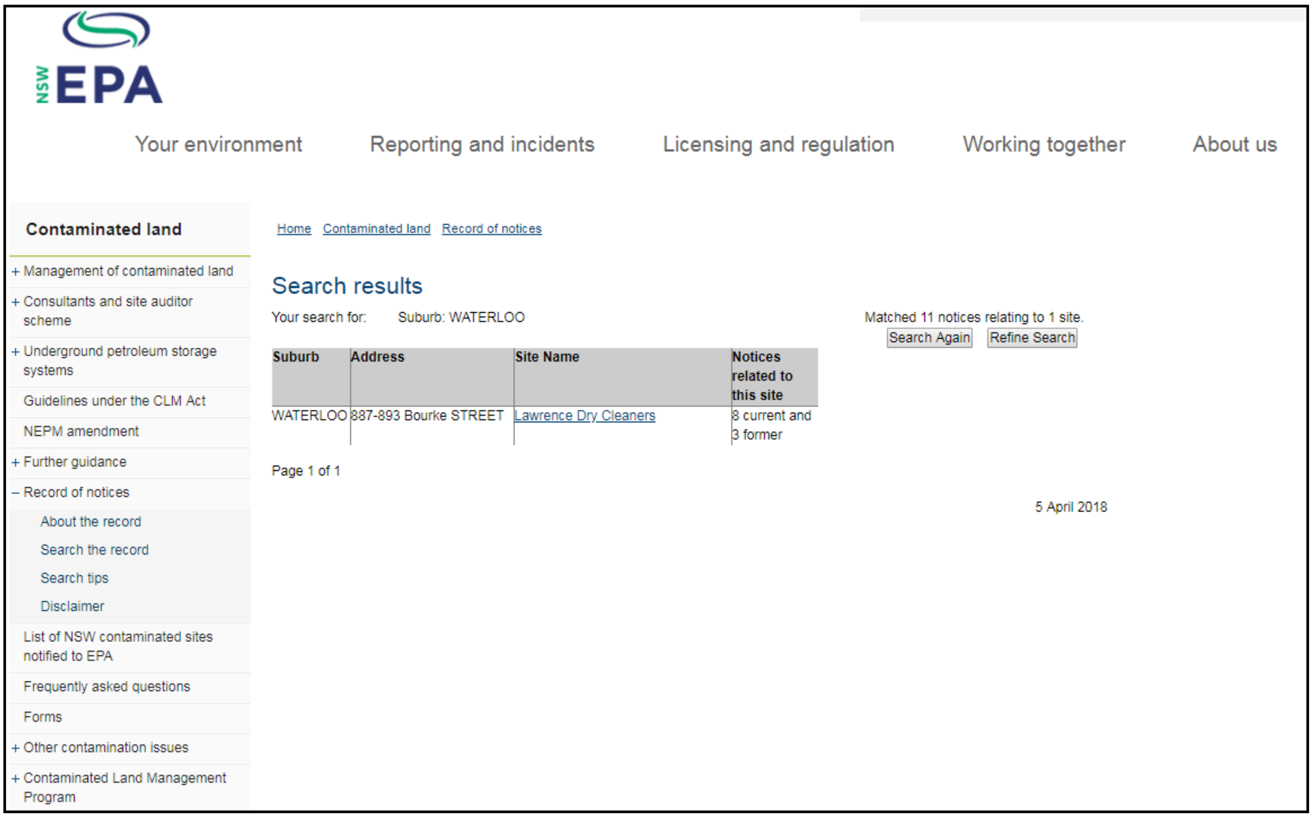
Aerial Photograph 1. Approximate location of subject stockpile and sampling points (map adapted from *Nearmap*; accessed 05.04.2018).

APPENDIX II – PHOTOGRAPHS

Photograph 1. Subject stockpile (facing south). Date: 22.03.2018.

Photograph 2. Representative soil matrix throughout the subject stockpile, as observed from Test Pit 2. Date: 22.03.2018.

APPENDIX III – SUPPORTING DOCUMENTS



Search results

Your search for: Suburb: WATERLOO

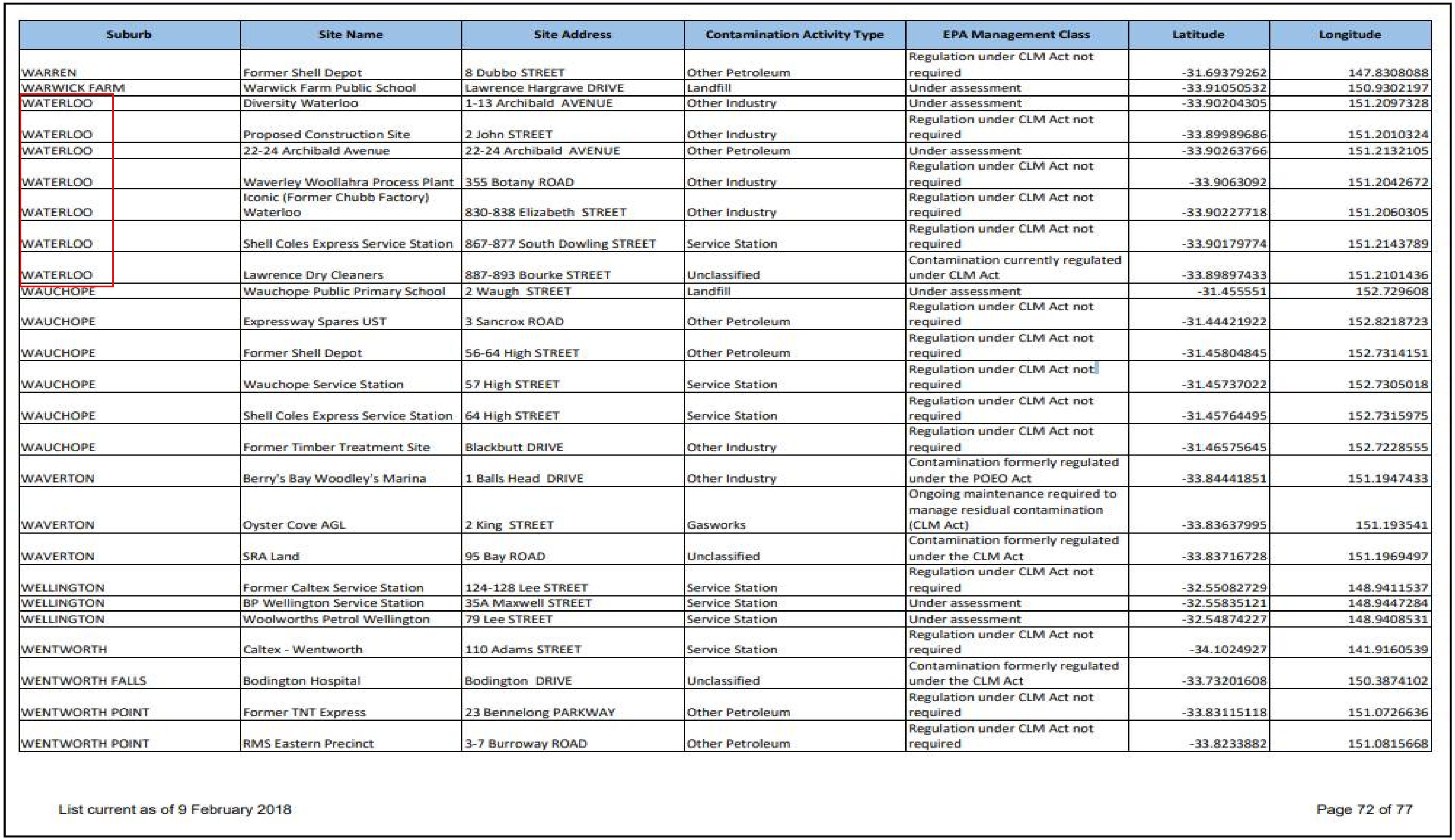
Matched 11 notices relating to 1 site.

Suburb	Address	Site Name	Notices related to this site
WATERLOO	887-893 Bourke STREET	Lawrence Dry Cleaners	8 current and 3 former

Page 1 of 1

5 April 2018

Figure 1. Screenshot of the NSW Office of Environment and Heritage (OEH) ‘Contaminated Land - Record of Notices’ listed by the NSW EPA under the *Contaminated Land Management Act 1997* which identifies three former and eight current notices for Lawrence Dry Cleaners at 887-893 Bourke Street, Waterloo NSW (screenshot adapted from *epa.nsw.gov.au,* accessed 05.04.2018).



Suburb	Site Name	Site Address	Contamination Activity Type	EPA Management Class	Latitude	Longitude
WARREN	Former Shell Depot	8 Dubbo STREET	Other Petroleum	Regulation under CLM Act not required	-31.69379262	147.8308088
WARWICK FARM	Warwick Farm Public School	Lawrence Hargrave DRIVE	Landfill	Under assessment	-33.91050532	150.9302197
WATERLOO	Diversity Waterloo	1-13 Archibald AVENUE	Other Industry	Under assessment	-33.90204305	151.2097328
WATERLOO	Proposed Construction Site	2 John STREET	Other Industry	Regulation under CLM Act not required	-33.89989686	151.2010324
WATERLOO	22-24 Archibald Avenue	22-24 Archibald AVENUE	Other Petroleum	Under assessment	-33.90263766	151.2132105
WATERLOO	Waverley Woollahra Process Plant	355 Botany ROAD	Other Industry	Regulation under CLM Act not required	-33.9063092	151.2042672
WATERLOO	Iconic (Former Chubb Factory) Waterloo	830-838 Elizabeth STREET	Other Industry	Regulation under CLM Act not required	-33.90227718	151.2060305
WATERLOO	Shell Coles Express Service Station	867-877 South Dowling STREET	Service Station	Regulation under CLM Act not required	-33.90179774	151.2143789
WATERLOO	Lawrence Dry Cleaners	887-893 Bourke STREET	Unclassified	Contamination currently regulated under CLM Act	-33.89897433	151.2101436
WAUCHOPE	Wauchope Public Primary School	2 Waugh STREET	Landfill	Under assessment	-31.455551	152.729608
WAUCHOPE	Expressway Spares UST	3 Sancrox ROAD	Other Petroleum	Regulation under CLM Act not required	-31.44421922	152.8218723
WAUCHOPE	Former Shell Depot	56-64 High STREET	Other Petroleum	Regulation under CLM Act not required	-31.45804845	152.7314151
WAUCHOPE	Wauchope Service Station	57 High STREET	Service Station	Regulation under CLM Act not required	-31.45737022	152.7305018
WAUCHOPE	Shell Coles Express Service Station	64 High STREET	Service Station	Regulation under CLM Act not required	-31.45764495	152.7315975
WAUCHOPE	Former Timber Treatment Site	Blackbutt DRIVE	Other Industry	Regulation under CLM Act not required	-31.46575645	152.7228555
WAVERTON	Berry's Bay Woodley's Marina	1 Balls Head DRIVE	Other Industry	Contamination formerly regulated under the POEO Act	-33.84441851	151.1947433
WAVERTON	Oyster Cove AGL	2 King STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.83637995	151.193541
WAVERTON	SRA Land	95 Bay ROAD	Unclassified	Contamination formerly regulated under the CLM Act	-33.83716728	151.1969497
WELLINGTON	Former Caltex Service Station	124-128 Lee STREET	Service Station	Regulation under CLM Act not required	-32.55082729	148.9411537
WELLINGTON	BP Wellington Service Station	35A Maxwell STREET	Service Station	Under assessment	-32.55835121	148.9447284
WELLINGTON	Woolworths Petrol Wellington	79 Lee STREET	Service Station	Under assessment	-32.54874227	148.9408531
WENTWORTH	Caltex - Wentworth	110 Adams STREET	Service Station	Regulation under CLM Act not required	-34.1024927	141.9160539
WENTWORTH FALLS	Bodington Hospital	Bodington DRIVE	Unclassified	Contamination formerly regulated under the CLM Act	-33.73201608	150.3874102
WENTWORTH POINT	Former TNT Express	23 Bennelong PARKWAY	Other Petroleum	Regulation under CLM Act not required	-33.83115118	151.0726636
WENTWORTH POINT	RMS Eastern Precinct	3-7 Burroway ROAD	Other Petroleum	Regulation under CLM Act not required	-33.8233882	151.0815668

List current as of 9 February 2018

Page 72 of 77

Figure 4. Screenshot of the '*List of NSW Contaminated Sites Notified to the EPA*' listed by the NSW EPA under the *Contaminated Land Management Act 1997* which identifies seven potentially contaminated sites within the suburb of Waterloo (screenshot adapted from *epa.nsw.gov.au,* accessed 05.04.2018).

APPENDIX IV – RESULTS TABLE

JHCGJV - Sydney City South-west Metro Project
Waterloo Station Site, Botany Road and Cope Street, Waterloo NSW
SYM-06-13848 / WAC2

				Asbestos	TPH					BTEX				Heavy Metals													PCBs	OCP / OPPs										Phenols
				Asbestos in Soil (AS4964-2004)	C6-C9	C10-C14	C15-C28	C29-C36	TPH Total (C10-C36)	Benzene	Toluene	Ethylbenzene	Xylenes (Total)	Arsenic	Cadmium	Chromium (III + VI)	Chromium (total)	Copper	Lead	TCLP - Lead	Mercury	Nickel	Benzo[a]pyrene	TCLP - Benzo(a)pyrene	Naphthalene	Total PAHs	Sum + Polychlorinated Biphenyls	DDT+DDD+DDE	Aldrin + Dieldrin	Chlordane	Endosulfan	Endrin	Heptachlor	HCB	Methoxychlor	Chlorpyrifos	Total Phenolics
Waste Classification Guidelines - General Solid Waste CT1 (mg/kg)				**-**	**650**	**-**	**-**	**-**	**10,000**	**10**	**288**	**600**	**1,000**	**100**	**20**	**100**	**-**	**-**	**100**	**-**	**4**	**40**	**0.8**	**-**	**-**	**200**	**50**	**-**	**-**	**-**	**60**	**-**	**-**	**-**	**-**	**4**	**-**
Waste Classification Guidelines - General Solid Waste TCLP1 ug/L				**-**	**-**	**-**	**-**	**-**	**-**	**0.5**	**14.4**	**30**	**50**	**5**	**1**	**5**	**-**	**-**	**5**	**5**	**0.2**	**2**	**0.04**	**0.04**	**-**	**-**	**-**	**-**	**-**	**-**	**3**	**-**	**-**	**-**	**-**	**0.2**	**-**
Waste Classification Guidelines - General Solid Waste SCC1 (mg/kg)				**-**	**650**	**-**	**-**	**-**	**10,000**	**18**	**518**	**1,080**	**1,800**	**500**	**100**	**1,900**	**-**	**-**	**1500**	**-**	**50**	**1,050**	**10**	**-**	**-**	**200**	**50**	**-**	**-**	**-**	**108**	**-**	**-**	**-**	**-**	**7.5**	**-**
Waste Classification Guidelines - Restricted Solid Waste CT2 (mg/kg)				**-**	**2,600**	**-**	**-**	**-**	**40,000**	**40**	**1,152**	**2,400**	**4,000**	**400**	**80**	**400**	**-**	**-**	**400**	**-**	**16**	**160**	**3.2**	**-**	**-**	**800**	**50**	**-**	**-**	**-**	**240**	**-**	**-**	**-**	**-**	**16**	**-**
Waste Classification Guidelines - Restricted Solid Waste TCLP2 ug/L				**-**	**-**	**-**	**-**	**-**	**-**	**2**	**57.6**	**120**	**200**	**20**	**4**	**20**	**-**	**-**	**20**	**-**	**0.8**	**8**	**0.16**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**12**	**-**	**-**	**-**	**-**	**0.8**	**-**
Waste Classification Guidelines - Restricted Solid Waste SCC2 mg/kg				**-**	**2,600**	**-**	**-**	**-**	**40,000**	**72**	**2,073**	**4,230**	**7,200**	**2,000**	**400**	**7,600**	**-**	**-**	**6,000**	**-**	**200**	**4,200**	**23**	**-**	**-**	**800**	**50**	**-**	**-**	**-**	**432**	**-**	**-**	**-**	**-**	**30**	**-**
Sample I.D	**Depth (m below stockpile surface)**	**Consultant**	**Date**																																		
WLDGB1-1	NA	DP	15.02.2018	ND	<25	<50	400	400	500	<0.2	<0.5	<1	<1	<4	<0.4	26	NT	19	17	NT	<0.1	11	0.75	NT	0.4	13	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
WLDGB1-2	NA	DP	15.02.2018	ND	<25	<50	490	580	650	<0.2	<0.5	<1	<1	<4	<0.4	15	NT	29	28	NT	<0.1	13	0.58	NT	0.4	8.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
WLDGB1-3	NA	DP	15.02.2018	ND	<25	<50	610	730	800	<0.2	<0.5	<1	<1	<4	<0.4	21	NT	39	130	<0.5	0.2	18	0.91	<0.001	0.4	14	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
WLDGB2-1	NA	DP	21.02.2018	ND	<25	<50	260	340	330	<0.2	<0.5	<1	<1	<4	<0.4	15	NT	31	17	NT	<0.1	10	0.81	<0.001	0.2	9.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
WLDGB2-2	NA	DP	21.02.2018	ND	<25	<50	270	340	340	<0.2	<0.5	<1	<1	<4	<0.4	41	NT	34	16	NT	<0.1	11	0.54	NT	0.2	5.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
WLDGB2-3	NA	DP	21.02.2018	ND	<25	<50	380	410	480	<0.2	<0.5	<1	<1	<4	<0.4	12	NT	40	20	NT	<0.1	8	0.92	<0.001	0.2	12	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
WLDGB2-5	NA	DP	21.02.2018	ND	<25	<50	280	330	360	<0.2	<0.5	<1	<1	<4	<0.4	13	NT	30	23	NT	<0.1	8	0.5	NT	0.1	5.6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
WLDGB2-6	NA	DP	21.02.2018	ND	<25	<50	180	140	140	<0.2	<0.5	<1	<1	<4	<0.4	14	NT	30	17	NT	<0.1	7	0.4	NT	<0.1	4.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
DGBA1	NA	DP	06.03.2018	ND	<25	<50	230	200	190	<0.2	<0.5	<1	<1	<4	<0.4	9	NT	19	17	NT	<0.1	6	1.1	<0.001	0.3	15	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
DGBA2	NA	DP	06.03.2018	ND	<25	<50	610	430	720	<0.2	<0.5	<1	<1	<4	<0.4	7	NT	20	15	NT	<0.1	5	2.7	<0.001	0.4	37	2.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
DGBA3	NA	DP	06.03.2018	ND	<25	<50	380	370	470	<0.2	<0.5	<1	<1	<4	<0.4	12	NT	29	26	NT	<0.1	9	1.3	<0.001	0.3	15	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
DGBA4	NA	DP	06.03.2018	ND	<25	<50	350	480	500	<0.2	<0.5	<1	<1	<4	<0.4	20	NT	31	60	NT	<0.1	5	0.89	<0.001	0.2	11	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
DGBA5	NA	DP	06.03.2018	ND	<25	<50	380	470	500	<0.2	<0.5	<1	<1	<4	<0.4	8	NT	23	28	NT	<0.1	5	1.1	<0.001	0.3	16	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
DGBA6	NA	DP	06.03.2018	ND	<25	<50	390	480	500	<0.2	<0.5	<1	<1	<4	<0.4	9	NT	22	22	NT	<0.1	6	1.1	<0.001	0.3	15	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5
13848-WAC2-TP1	0.8	ADE	22.03.2018	ND	<35	<50	270	250	570	<0.5	<0.5	<1	<3	<5	<0.3	NT	27	24	32	NT	<0.2	<10	1.0	<0.001	<0.3	15	<0.5	<0.3	<0.2	<0.2	<0.5	<0.4	<0.2	<0.1	<0.1	<0.2	NT
13848-WAC2-TP2	0.8	ADE	22.03.2018	ND	<35	<50	490	310	850	<0.5	<0.5	<1	<3	<5	<0.3	NT	12	31	26	NT	<0.2	<10	1.6	<0.001	<0.3	25	<0.5	<0.3	<0.2	<0.2	<0.5	<0.4	<0.2	<0.1	<0.1	<0.2	NT
13848-WAC2-TP3	0.8	ADE	22.03.2018	ND	<35	<50	230	240	520	<0.5	<0.5	<1	<3	<5	<0.3	NT	14	27	32	NT	<0.2	<10	1.0	<0.001	<0.3	14	<0.5	<0.3	<0.2	<0.2	<0.5	<0.4	<0.2	<0.1	<0.1	<0.2	NT
13848-WAC2-TP4	0.8	ADE	22.03.2018	ND	<35	<50	200	220	470	<0.5	<0.5	<1	<3	<5	<0.3	NT	13	20	27	NT	<0.2	<10	0.8	NT	<0.3	12	<0.5	<0.3	<0.2	<0.2	<0.5	<0.4	<0.2	<0.1	<0.1	<0.2	NT
13848-WAC2-TP5	0.8	ADE	22.03.2018	ND	<35	<50	260	250	560	<0.5	<0.5	<1	<3	<5	<0.3	NT	15	27	27	NT	<0.2	<10	0.9	<0.001	<0.3	13	<0.5	<0.3	<0.2	<0.2	<0.5	<0.4	<0.2	<0.1	<0.1	<0.2	NT
13848-WAC2-TP6	0.8	ADE	22.03.2018	ND	<35	<50	270	240	560	<0.5	<0.5	<1	<3	<5	<0.3	NT	11	19	26	NT	0.2	<10	0.8	NT	<0.3	11	<0.5	<0.3	<0.2	<0.2	<0.5	<0.4	<0.2	<0.1	<0.1	<0.2	NT
13848-WAC2-TP7	0.8	ADE	22.03.2018	ND	<35	<50	210	240	500	<0.5	<0.5	<1	<3	<5	<0.3	NT	15	24	34	NT	<0.2	<10	0.9	<0.001	<0.3	13	<0.5	<0.3	<0.2	<0.2	<0.5	<0.4	<0.2	<0.1	<0.1	<0.2	NT
13848-WAC2-TP8	0.8	ADE	22.03.2018	ND	<35	<50	240	260	550	<0.5	<0.5	<1	<3	<5	<0.3	NT	17	24	32	NT	<0.2	<10	1.2	<0.001	<0.3	15	<0.5	<0.3	<0.2	<0.2	<0.5	<0.4	<0.2	<0.1	<0.1	<0.2	NT
Average Concentration Detected (mg/kg)				ND	ND	ND	335	350	503	ND	ND	ND	ND	ND	ND	15.9	15.5	26.9	30.5	ND	0.2	8.7	1.0	ND	0.3	13.6	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration Detected (mg/kg)				ND	ND	ND	610	730	850	ND	ND	ND	ND	ND	ND	41.0	27.0	40.0	130.0	ND	0.2	18.0	2.7	ND	0.4	37.0	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95% Upper Confidence Limit (mg/kg)				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

<u>Notes to Table</u>

ND - Not Detected (below Practical Quantitation Limit)

NT - Not Tested

UCL Statistics for Uncensored Full Data Sets

User Selected Options			
Date/Time of Computation	ProUCL 5.110/04/2018 9:49:02 AM		
From File	WorkSheet.xls		
Full Precision	OFF		
Confidence Coefficient	95%		
Number of Bootstrap Operations	2000		

Sum PCBs

General Statistics			
Total Number of Observations	19	Number of Distinct Observations	4
		Number of Missing Observations	0
Minimum	0.1	Mean	0.426
Maximum	2.4	Median	0.2
SD	0.506	Std. Error of Mean	0.116
Coefficient of Variation	1.188	Skewness	3.588
Normal GOF Test			
Shapiro Wilk Test Statistic	0.515	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.901	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.39	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.197	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	0.628	95% Adjusted-CLT UCL (Chen-1995)	0.72
		95% Modified-t UCL (Johnson-1978)	0.644
Gamma GOF Test			
A-D Test Statistic	1.536	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.756	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.266	**Kolmogorov-Smirnov Gamma GOF Test**	
5% K-S Critical Value	0.202	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.576	k star (bias corrected MLE)	1.362
Theta hat (MLE)	0.271	Theta star (bias corrected MLE)	0.313
nu hat (MLE)	59.88	nu star (bias corrected)	51.76
MLE Mean (bias corrected)	0.426	MLE Sd (bias corrected)	0.365
		Approximate Chi Square Value (0.05)	36.23
Adjusted Level of Significance	0.0369	Adjusted Chi Square Value	35.1
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	0.609	95% Adjusted Gamma UCL (use when n<50)	0.629
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.851	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.901	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.224	**Lilliefors Lognormal GOF Test**	

	A–E	F	G–K	L
55	5% Lilliefors Critical Value	0.197	Data Not Lognormal at 5% Significance Level	
56	**Data Not Lognormal at 5% Significance Level**			
57				
58	**Lognormal Statistics**			
59	Minimum of Logged Data	-2.303	Mean of logged Data	-1.202
60	Maximum of Logged Data	0.875	SD of logged Data	0.788
61				
62	**Assuming Lognormal Distribution**			
63	95% H-UCL	0.632	90% Chebyshev (MVUE) UCL	0.637
64	95% Chebyshev (MVUE) UCL	0.743	97.5% Chebyshev (MVUE) UCL	0.891
65	99% Chebyshev (MVUE) UCL	1.182		
66				
67	**Nonparametric Distribution Free UCL Statistics**			
68	**Data do not follow a Discernible Distribution (0.05)**			
69				
70	**Nonparametric Distribution Free UCLs**			
71	95% CLT UCL	0.617	95% Jackknife UCL	0.628
72	95% Standard Bootstrap UCL	N/A	95% Bootstrap-t UCL	N/A
73	95% Hall's Bootstrap UCL	N/A	95% Percentile Bootstrap UCL	N/A
74	95% BCA Bootstrap UCL	N/A		
75	90% Chebyshev(Mean, Sd) UCL	0.775	95% Chebyshev(Mean, Sd) UCL	0.933
76	97.5% Chebyshev(Mean, Sd) UCL	1.152	99% Chebyshev(Mean, Sd) UCL	1.582
77				
78	**Suggested UCL to Use**			
79	95% Chebyshev (Mean, Sd) UCL	0.933		
80				
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
82	Recommendations are based upon data size, data distribution, and skewness.			
83	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
84	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			
85				

APPENDIX V – ANALYTICAL REPORTS

Sydney Laboratory Services

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950
Unit 4/10-11 Millennium Court,
Silverwater 2128
Ph: (02) 9648-6669

Analysis report: SYM-06-13848-1

Customer: A. D. Envirotech Australia Pty. Ltd.
Attention: Joshua Panton & Nicholas Bernardini

Sample Log In Details

Your reference: SYM-06-13848-1
No. of Samples: 8
Date Received: 22.03.2018
Date completed instructions received: 22.03.2018
Date of analysis: 22-23.03.2018

Report Details

Report Date: 23.03.2018
Method number:** ESA-MP-01
ESA-MP-02
ESA-P-ORG03
ESA-P-ORG07
ESA-P-ORG08
ESA-P-ORG09
ESA-P-ORG14
ESA-P-ORG15
ESA-P-12
ESA-ICP-01
ESA-ICP-02

Results Authorised By:

Wojtalewicz

Dr Dominika Wojtalewicz (MRACI CCHEM)
Laboratory Manager/Chemist

Accreditation No.14664.
Accredited for compliance with ISO/IEC 17025 - Testing.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.
Tests not covered by NATA are denoted with *.

General Comments and Glossary

Tests not covered by NATA are denoted with *.

Samples are analysed on "as received" basis.

Samples were delivered chilled	**Yes**
Samples were preserved in correct manner	**Yes**
Sample containers for volatile analysis were received with minimal headspace	**Yes**
Samples were analysed within holding time	**Yes**
Some samples have been subcontracted	**No**

1. All samples are tested in batches of 20.
2. All results for soil samples are reported per gram of dry soil, unless otherwise stated.
3. However surrogate standards are added to samples due to PAH and BTEX analysis and recoveries are calculated, samples' results are not corrected for standards recoveries.
4. Analysis of VOC in water samples are performed on unfiltered waters (as received), spiked with surrogate
5. If heterogenous or insufficient material provided LCS is used as matrix spike for QA/QC purposes.
6. Duplicate sample and matrix spike recoveries may not be prepared on smaller jobs, however, were analysed at a frequency
7. QA/QC samples shown within the report that states the word "BATCH"; Batch Blank, Matrix Spike and Duplicate were prepared on samples from outside of reported job.

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surr. (Surrogate Spike): Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

INS: Insufficient sample for this test
>: Greater than
LCS: Laboratory Control Sample
NT: Not tested
<: Less than
RPD: Relative Percent Difference
NA: Test not required
PQL: Practical Quantitation Limit

Laboratory Acceptance Criteria

Matrix Spikes and LCS: Generally 70-130% for inorganics/metals, 60-140% for organics is acceptable.
Matrix heterogeneity may result in matrix spike analyses falling outside these limits.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:
Results <10 times the PQL : No Limit
Results between 10-20 times the PQL : RPD must lie between 0-50%
Results >20 times the PQL : RPD must lie between 0-30%
Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

**Methods Number Description:

ESA-MP-01	Determination of metals by MP-AES
ESA-MP-02	Digestion of soil samples for MP-AES analysis
ESA-MP-03	Preparation of water samples for metals determination by MP-AES
ESA-MP-04	TCLP for inorganic contaminants
ESA-MP-05	Digestion of paint and dust samples for lead content determination
ESA-MP-06	Digestion of air filters
ESA-MP-07	Digestion of swabs for determination of lead content in dust
ESA-P-ORG02	Analysis of PAHs by GC-MS
ESA-P-ORG03	Analysis of TRH and TPH by GC-FID
ESA-P-ORG04	Separatory funnel extraction of PAHs from water matrices including TCLP extracts
ESA-P-ORG05	Separatory funnel extraction of TRH and TPH from water matrices
ESA-P-ORG06	Silica gel clean up of soil and water extracts, prior analysis for STPH
ESA-P-ORG07	Extraction of BTEX and VTRX from soil matrices
ESA-P-ORG08	Analysis of soil extracts and waters by P&T GCMS
ESA-P-ORG09	Extraction of TRH from solid matrices
ESA-P-ORG14	Extraction of PCB (Aroclor) OCP OPP and PAH from soil matrices
ESA-P-ORG15	Analysis of PCB OCP OPP and PAH by GCMS
AS 1289.4.3.1	Determination of the pH value of a soil-Electrometric method
AS 1289.3.6.1	Determination of the particle size distribution of a soil - Standard method of analysis by sieving
T276	NSW RMS Test Method T 276 Foreign materials content of recycled crushed concrete
*Texture Assessment based on; Salinity Notes, Number 8, Oct 2000, ISSN 1 325-4448, "How to Texture soils & Test for Salinity"	
ESA-P-16	Procedure for measurement of Electrical Conductivity EC
ESA-P-12	Moisture by classical in-house method; **Procedure for gravimetric moisture determination**
ESA-ICP-01	Determination of metals by ICP-OES
ESA-ICP-02	Digestion of Soil samples for ICP-OES analysis
ESA-ICP-03	Preparation and analysis of leachates for inorganic contaminants (Method EPA 1311,AS 4439)
ESA-ICP-04	Digestion of paint
ESA-ICP-05	Digestion of Air Filters
ESA-ICP-06	Digestion of Swabs
ESA-P-21	Test method for determination of pH value
*pH FOX Test -Determination of Acid Sulfate Soils Field pH	

Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025 - Testing.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

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Lab ID	PQL (mg/kg)	13848-C1	13848-C2	13848-C3	13848-C4
Sample Name		13848-WAC2-TP1	13848-WAC2-TP2	13848-WAC2-TP3	13848-WAC2-TP4
PAH					
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3
Anthracene	0.3	0.6	1.0	0.5	0.4
Benzo[a]anthracene	0.3	1.0	1.8	0.9	0.7
Benzo[a]pyrene	0.3	1.0	1.6	1.0	0.8
Benzo[b]fluoranthene	0.3	1.1	1.9	1.0	0.9
Benzo[g,h,i]perylene	0.3	0.6	1.0	0.6	0.5
Benzo[k]fluoranthene	0.3	0.4	0.7	0.4	0.3
Chrysene	0.3	0.9	1.5	0.9	0.7
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	<0.3	<0.3
Fluoranthene	0.3	2.1	4.5	2.2	1.6
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)pyrene	0.3	0.6	1.1	0.6	0.5
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3
Phenanthrene	0.3	1.9	3.4	1.7	1.4
Pyrene	0.3	2.1	4.0	2.2	1.6
p-Terphenyl-d14	surr.	91%	86%	93%	88%
OCPs					
aldrin	0.1	<0.1	<0.1	<0.1	<0.1
a-BHC	0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (lindane)	0.1	<0.1	<0.1	<0.1	<0.1
cis-chlordane	0.1	<0.1	<0.1	<0.1	<0.1
trans-chlordane	0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDD	0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDE	0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDT	0.1	<0.1	<0.1	<0.1	<0.1
dieldrin	0.1	<0.1	<0.1	<0.1	<0.1
endosulfan I	0.2	<0.2	<0.2	<0.2	<0.2
endosulfan II	0.2	<0.2	<0.2	<0.2	<0.2
endosulfan sulfate	0.1	<0.1	<0.1	<0.1	<0.1
endrin	0.2	<0.2	<0.2	<0.2	<0.2
endrin aldehyde	0.1	<0.1	<0.1	<0.1	<0.1
endrin ketone	0.1	<0.1	<0.1	<0.1	<0.1
heptachlor	0.1	<0.1	<0.1	<0.1	<0.1
heptachlor epoxide	0.1	<0.1	<0.1	<0.1	<0.1
hexachlorobenzene	0.1	<0.1	<0.1	<0.1	<0.1
methoxychlor	0.1	<0.1	<0.1	<0.1	<0.1
TCMX	surr.	97%	93%	99%	95%
OPPs					
chlorpyrifos	0.1	<0.1	<0.1	<0.1	<0.1
chlorpyrifos methyl	0.1	<0.1	<0.1	<0.1	<0.1
diazinon	0.1	<0.1	<0.1	<0.1	<0.1
fenchlorphos	0.1	<0.1	<0.1	<0.1	<0.1
methyl parathion	0.1	<0.1	<0.1	<0.1	<0.1
prophos	0.1	<0.1	<0.1	<0.1	<0.1
tributylphosphorotrithioite	0.1	<0.1	<0.1	<0.1	<0.1
PCB					
Aroclor 1016	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.5	<0.5	<0.5	<0.5	<0.5
2-fluorobiphenyl	surr.	91%	92%	98%	93%

Lab ID	PQL (mg/kg)	13848-C1	13848-C2	13848-C3	13848-C4
Sample Name		13848-WAC2-TP1	13848-WAC2-TP2	13848-WAC2-TP3	13848-WAC2-TP4
TRH					
>C6-C10	35	<35	<35	<35	<35
>C10-C16	50	<50	<50	<50	<50
>C16-C34	100	270	490	230	200
>C34-C40	100	250	310	240	220
BTEX					
Benzene	0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<1	<1	<1	<1
m, p- Xylene(s)	2	<2	<2	<2	<2
o-Xylene	1	<1	<1	<1	<1
Fluorobenzene	surr.	120%	118%	118%	117%
Metals					
Mercury	0.2	<0.2	<0.2	<0.2	<0.2
Metals / ICP-OES					
Arsenic	5	<5	<5	<5	<5
Cadmium	0.3	<0.3	<0.3	<0.3	<0.3
Chromium	5	27	12	14	13
Copper	5	24	31	27	20
Nickel	10	<10	<10	<10	<10
Lead	10	32	26	32	27
Zinc	5	86	53	67	49
Moisture	%	9%	10%	14%	8%

Lab ID	PQL (mg/kg)	13848-C5	13848-C6	13848-C7	13848-C8
Sample Name		13848-WAC2-TP5	13848-WAC2-TP6	13848-WAC2-TP7	13848-WAC2-TP8
PAH					
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3
Anthracene	0.3	0.4	0.3	0.5	0.5
Benzo[a]anthracene	0.3	0.8	0.7	0.8	1.1
Benzo[a]pyrene	0.3	0.9	0.8	0.9	1.2
Benzo[b]fluoranthene	0.3	1.0	0.9	0.9	1.3
Benzo[g,h,i]perylene	0.3	0.5	0.5	0.5	0.6
Benzo[k]fluoranthene	0.3	0.3	0.3	0.3	0.5
Chrysene	0.3	0.8	0.7	0.8	1.0
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	<0.3	<0.3
Fluoranthene	0.3	1.8	1.5	1.9	2.3
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)pyrene	0.3	0.5	0.5	0.5	0.6
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3
Phenanthrene	0.3	1.5	1.1	1.7	1.7
Pyrene	0.3	1.8	1.5	1.9	2.3
p-Terphenyl-d14	surr.	85%	88%	84%	85%
OCPs					
aldrin	0.1	<0.1	<0.1	<0.1	<0.1
a-BHC	0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (lindane)	0.1	<0.1	<0.1	<0.1	<0.1
cis-chlordane	0.1	<0.1	<0.1	<0.1	<0.1
trans-chlordane	0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDD	0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDE	0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDT	0.1	<0.1	<0.1	<0.1	<0.1
dieldrin	0.1	<0.1	<0.1	<0.1	<0.1
endosulfan I	0.2	<0.2	<0.2	<0.2	<0.2
endosulfan II	0.2	<0.2	<0.2	<0.2	<0.2
endosulfan sulfate	0.1	<0.1	<0.1	<0.1	<0.1
endrin	0.2	<0.2	<0.2	<0.2	<0.2
endrin aldehyde	0.1	<0.1	<0.1	<0.1	<0.1
endrin ketone	0.1	<0.1	<0.1	<0.1	<0.1
heptachlor	0.1	<0.1	<0.1	<0.1	<0.1
heptachlor epoxide	0.1	<0.1	<0.1	<0.1	<0.1
hexachlorobenzene	0.1	<0.1	<0.1	<0.1	<0.1
methoxychlor	0.1	<0.1	<0.1	<0.1	<0.1
TCMX	surr.	92%	93%	91%	92%
OPPs					
chlorpyrifos	0.1	<0.1	<0.1	<0.1	<0.1
chlorpyrifos methyl	0.1	<0.1	<0.1	<0.1	<0.1
diazinon	0.1	<0.1	<0.1	<0.1	<0.1
fenchlorphos	0.1	<0.1	<0.1	<0.1	<0.1
methyl parathion	0.1	<0.1	<0.1	<0.1	<0.1
prophos	0.1	<0.1	<0.1	<0.1	<0.1
tributylphosphorotrithioite	0.1	<0.1	<0.1	<0.1	<0.1
PCB					
Aroclor 1016	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.5	<0.5	<0.5	<0.5	<0.5
2-fluorobiphenyl	surr.	90%	89%	92%	93%

Lab ID	PQL (mg/kg)	13848-C5	13848-C6	13848-C7	13848-C8
Sample Name		13848-WAC2-TP5	13848-WAC2-TP6	13848-WAC2-TP7	13848-WAC2-TP8
TRH					
>C6-C10	35	<35	<35	<35	<35
>C10-C16	50	<50	<50	<50	<50
>C16-C34	100	260	270	210	240
>C34-C40	100	250	240	240	260
BTEX					
Benzene	0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<1	<1	<1	<1
m, p- Xylene(s)	2	<2	<2	<2	<2
o-Xylene	1	<1	<1	<1	<1
Fluorobenzene	surr.	117%	120%	121%	119%
Metals					
Mercury	0.2	<0.2	<0.2	<0.2	<0.2
Metals / ICP-OES					
Arsenic	5	<5	<5	<5	<5
Cadmium	0.3	<0.3	<0.3	<0.3	<0.3
Chromium	5	15	11	15	17
Copper	5	27	20	24	24
Nickel	10	<10	<10	<10	<10
Lead	10	27	26	34	32
Zinc	5	83	42	110	59
Moisture	%	8%	12%	11%	10%

Lab ID	PQL (mg/kg)	Blank 1	Blank spike 1	Matrix spike 1	Duplicate 1-Value 1	Duplicate 1-Value 2	Duplicate 1
Sample Name							
PAH							
Acenaphthene	0.3	<0.3	106%	101%	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	115%	107%	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	106%	101%	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	107%	104%	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	106%	95%	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	108%	98%	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.		113%	109%	94%	94%	
OCPs							
aldrin	0.1	<0.1	111%	108%	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	89%	98%	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	110%	108%	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
TCMX	surr.		112%	109%	102%	96%	
OPPs							
chlorpyrifos	0.1	<0.1	110%	106%	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	88%	86%	<0.1	<0.1	ACCEPT
fenchlorphos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
PCB							
Aroclor 1016	0.5	<0.5	90%	98%	<0.5	<0.5	ACCEPT
Aroclor 1221	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1232	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1242	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1248	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1254	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1260	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
2-fluorobiphenyl	surr.		101%	97%	97%	92%	

Lab ID	PQL (mg/kg)	Blank 1	Blank spike 1	Matrix spike 1	Duplicate 1-Value 1	Duplicate 1-Value 2	Duplicate 1
Sample Name							
TRH							
>C6-C10	35	<35	NT	NT	<35	<35	ACCEPT
>C10-C16	50	<50	119%	114%	<50	<50	ACCEPT
>C16-C34	100	<100	NT	NT	490	660	ACCEPT
>C34-C40	100	<100	NT	NT	310	230	ACCEPT
BTEX							
Benzene	0.5	<0.5	118%	117%	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	112%	112%	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	108%	108%	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	107%	107%	<2	<2	ACCEPT
o-Xylene	1	<1	106%	106%	<1	<1	ACCEPT
Fluorobenzene	surr.		116%	117%	118%	120%	
Metals							
Mercury	0.2	<0.2	95%	97%	<0.2	<0.2	ACCEPT
Metals / ICP-OES							
Arsenic	5	<5	100%	104%	<5	<5	ACCEPT
Cadmium	0.3	<0.3	109%	111%	<0.3	<0.3	ACCEPT
Chromium	5	<5	100%	84%	12	21	ACCEPT
Copper	5	<5	99%	95%	31	32	ACCEPT
Nickel	10	<10	103%	92%	<10	15	ACCEPT
Lead	10	<10	110%	99%	26	31	ACCEPT
Zinc	5	<5	97%	81%	53	62	ACCEPT
Moisture	%						

Sydney Laboratory Services

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950
Unit 4/10-11 Millennium Court,
Silverwater 2128
Ph: (02) 9648-6669

Analysis report: SYM-06-13848 TCLP-1

Customer:	**A. D. Envirotech Australia Pty. Ltd.**
Attention:	Edward Moss & Nicholas Bernardini

Sample Log In Details

Your reference:	SYM-06-13848 TCLP-1
No. of Samples:	6
Date Received:	04.04.2018
Date completed instructions received:	04.04.2018
Date of analysis:	06.04.2018

Report Details

Report Date:	06.04.2018
Method number:**	ESA-P-ORG02 ESA-P-ORG04

Results Authorised By:

Dr Dominika Wojtalewicz (MRACI CCHEM)

Laboratory Manager/Chemist

General Comments and Glossary

Samples are analysed on "as received" basis.

Samples were delivered chilled	Yes
Samples were preserved in correct manner	Yes
Sample containers for volatile analysis were received with minimal headspace	Yes
Samples were analysed within holding time	Yes
Some samples have been subcontracted	No

1. All samples are tested in batches of 20.
2. All results for soil samples are reported per gram of dry soil, unless otherwise stated.
3. However surrogate standards are added to samples due to PAH and BTEX analysis and recoveries are calculated, samples' results are not corrected for standards recoveries.
4. Analysis of VOC in water samples are performed on unfiltered waters (as received), spiked with surrogate
5. If heterogenous or insufficient material provided LCS is used as matrix spike for QA/QC purposes.
6. Duplicate sample and matrix spike recoveries may not be prepared on smaller jobs, however, were analysed at a frequency
7. QA/QC samples shown within the report that states the word "BATCH"; Batch Blank, Matrix Spike and Duplicate were prepared on samples from outside of reported job.

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surr. (Surrogate Spike): Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

INS: Insufficient sample for this test
>: Greater than
LCS: Laboratory Control Sample
NT: Not tested
<: Less than
RPD: Relative Percent Difference
NA: Test not required
PQL: Practical Quantitation Limit

Laboratory Acceptance Criteria

Matrix Spikes and LCS:	Generally 70-130% for inorganics/metals, 60-140% for organics is acceptable. Matrix heterogeneity may result in matrix spike analyses falling outside these limits.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:
Results <10 times the PQL : No Limit
Results between 10-20 times the PQL : RPD must lie between 0-50%
Results >20 times the PQL : RPD must lie between 0-30%
Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

Accreditation No.14664.
Accredited for compliance with ISO/IEC 17025 - Testing.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.
Tests not covered by NATA are denoted with *.

**Methods Number Description:

ESA-MP-01	Determination of metals by MP-AES
ESA-MP-02	Digestion of soil samples for MP-AES analysis
ESA-MP-03	Preparation of water samples for metals determination by MP-AES
ESA-MP-04	TCLP for inorganic contaminants
ESA-MP-05	Digestion of paint and dust samples for lead content determination
ESA-MP-06	Digestion of air filters
ESA-MP-07	Digestion of swabs for determination of lead content in dust
ESA-P-ORG02	Analysis of PAHs by GCMS-3
ESA-P-ORG3	Analysis of TRH and TPH by GC-FID
ESA-P-ORG04	Separatory funnel extraction of PAHs from water matrices including TCLP extracts
ESA-P-ORG05	Separatory funnel extraction of TRH and TPH from water matrices
ESA-P-ORG07	Extraction of BTEX and VTRX from soil matrices
ESA-P-ORG08	Analysis of soil extracts and waters by P&T GCMS
ESA-P-ORG09	Extraction of TRH from solid matrices
ESA-P-ORG11	Extraction of OCP OPP and PAH from soil matrices
ESA-P-ORG12	Analysis of OCP OPP and PAHs by GC-MS
ESA-ICP-01	Determination of metals by ICP-OES
ESA-ICP-03	Preparation and analysis of leachates for inorganic contaminants (Method EPA 1311,AS 4439)

Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025 - Testing.

The results of the tests, calibrations and/or
measurements included in this document are traceable
to Australian/national standards.

Tests not covered by NATA are denoted with *.

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Lab ID	PQL	13848-C1	13848-C2	13848-C3	13848-C5	13848-C7	13848-C8
Sample name		13848-WAC2-TP1	13848-WAC2-TP2	13848-WAC2-TP3	13848-WAC2-TP5	13848-WAC2-TP7	13848-WAC2-TP8
PAH	PQL (mg/L)						
Acenaphthene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Anthracene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[a]anthracene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[a]pyrene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[b]fluoranthene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[g,h,i]perylene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo[k]fluoranthene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chrysene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibenzo[a,h]anthracene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Indeno(1,2,3-cd)pyrene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Naphthalene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Phenanthrene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
p-Terphenyl-d14	surr.	71%	63%	68%	69%	71%	77%
pH A		10.8	10.6	10.7	10.6	10.8	10.8
pH B		1.4	1.3	1.4	1.2	1.4	1.5
Extract Fluid #		1	1	1	1	1	1

Lab ID	PQL	Batch Blank 1	Batch Blank spike 1	Batch Matrix spike 1	Batch Duplicate 1 Value 1	Batch Duplicate 1 Value 2	Batch Duplicate 1
Sample name							
PAH	PQL (mg/L)						
Acenaphthene	0.005	<0.005	82%	82%	<0.005	<0.005	ACCEPT
Acenaphthylene	0.005	<0.005	NT	NT	<0.005	<0.005	ACCEPT
Anthracene	0.005	<0.005	92%	88%	<0.005	<0.005	ACCEPT
Benzo[a]anthracene	0.005	<0.005	NT	NT	<0.005	<0.005	ACCEPT
Benzo[a]pyrene	0.005	<0.005	NT	NT	<0.005	<0.005	ACCEPT
Benzo[b]fluoranthene	0.005	<0.005	NT	NT	<0.005	<0.005	ACCEPT
Benzo[g,h,i]perylene	0.005	<0.005	NT	NT	<0.005	<0.005	ACCEPT
Benzo[k]fluoranthene	0.005	<0.005	NT	NT	<0.005	<0.005	ACCEPT
Chrysene	0.005	<0.005	NT	NT	<0.005	<0.005	ACCEPT
Dibenzo[a,h]anthracene	0.005	<0.005	NT	NT	<0.005	<0.005	ACCEPT
Fluoranthene	0.005	<0.005	92%	86%	<0.005	<0.005	ACCEPT
Fluorene	0.005	<0.005	NT	NT	<0.005	<0.005	ACCEPT
Indeno(1,2,3-cd)pyrene	0.005	<0.005	NT	NT	<0.005	<0.005	ACCEPT
Naphthalene	0.005	<0.005	82%	83%	<0.005	<0.005	ACCEPT
Phenanthrene	0.005	<0.005	92%	88%	<0.005	<0.005	ACCEPT
Pyrene	0.005	<0.005	93%	88%	<0.005	<0.005	ACCEPT
p-Terphenyl-d14	surr.		88%	81%	73%	71%	
pH A							
pH B							
Extract Fluid #							

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CERTIFICATE OF ANALYSIS 186794

Client Details

Client	Douglas Partners Pty Ltd
Attention	Nerilee Edwards, David Walker, Tim Wright
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**85608.14, Waterloo**
Number of Samples	15 Soil
Date samples received	08/03/2018
Date completed instructions received	08/03/2018

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	15/03/2018
Date of Issue	15/03/2018

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vTRH(C6-C10)/BTEXN in Soil						
Our Reference		186794-2	186794-4	186794-6	186794-8	186794-10
Your Reference	UNITS	SSPA-1 D	SSPA-2 D	SSPA-3 D	SSPA-4 D	DGBA1
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	100	103	104	104	107

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		186794-11	186794-12	186794-13	186794-14	186794-15
Your Reference	UNITS	DGBA2	DGBA3	DGBA4	DGBA5	DGBA6
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	107	102	101	99	109

svTRH (C10-C40) in Soil						
Our Reference		186794-2	186794-4	186794-6	186794-8	186794-10
Your Reference	UNITS	SSPA-1 D	SSPA-2 D	SSPA-3 D	SSPA-4 D	DGBA1
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	13/03/2018	13/03/2018	13/03/2018	13/03/2018	14/03/2018
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	<100	<100	<100	<100	<100
TRH C_{29} - C_{36}	mg/kg	<100	<100	<100	<100	190
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	<100	<100	<100	<100	230
TRH >C_{34} -C_{40}	mg/kg	<100	<100	<100	<100	200
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	430
Surrogate o-Terphenyl	%	96	100	101	96	96

svTRH (C10-C40) in Soil						
Our Reference		186794-11	186794-12	186794-13	186794-14	186794-15
Your Reference	UNITS	DGBA2	DGBA3	DGBA4	DGBA5	DGBA6
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	14/03/2018	14/03/2018	14/03/2018	14/03/2018	14/03/2018
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	300	170	150	160	160
TRH C_{29} - C_{36}	mg/kg	420	300	350	340	340
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	610	380	350	380	390
TRH >C_{34} -C_{40}	mg/kg	430	370	480	470	480
Total +ve TRH (>C10-C40)	mg/kg	1,000	750	830	840	870
Surrogate o-Terphenyl	%	106	99	102	99	101

PAHs in Soil						
Our Reference	UNITS	186794-2	186794-4	186794-6	186794-8	186794-10
Your Reference		SSPA-1 D	SSPA-2 D	SSPA-3 D	SSPA-4 D	DGBA1
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.3
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.2
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.2
Phenanthrene	mg/kg	<0.1	0.2	0.4	<0.1	1.9
Anthracene	mg/kg	<0.1	<0.1	0.1	<0.1	0.6
Fluoranthene	mg/kg	<0.1	0.4	0.6	<0.1	2.3
Pyrene	mg/kg	<0.1	0.4	0.6	<0.1	2.4
Benzo(a)anthracene	mg/kg	<0.1	0.2	0.3	<0.1	1.2
Chrysene	mg/kg	<0.1	0.2	0.2	<0.1	1.0
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	0.3	0.4	<0.2	2
Benzo(a)pyrene	mg/kg	<0.05	0.2	0.2	<0.05	1.1
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	0.1	<0.1	0.5
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.2
Benzo(g,h,i)perylene	mg/kg	<0.1	0.1	0.1	<0.1	0.8
Total +ve PAH's	mg/kg	<0.05	2.1	3.1	<0.05	15
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	1.6
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	1.6
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	1.6
Surrogate p-Terphenyl-d14	%	105	99	100	95	96

PAHs in Soil						
Our Reference	UNITS	186794-11	186794-12	186794-13	186794-14	186794-15
Your Reference		DGBA2	DGBA3	DGBA4	DGBA5	DGBA6
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Naphthalene	mg/kg	0.4	0.3	0.2	0.3	0.3
Acenaphthylene	mg/kg	0.2	0.2	<0.1	0.1	0.1
Acenaphthene	mg/kg	0.4	0.1	0.2	0.2	0.1
Fluorene	mg/kg	0.4	0.2	0.2	0.2	0.2
Phenanthrene	mg/kg	3.9	1.9	1.5	2.2	2.0
Anthracene	mg/kg	1.3	0.6	0.5	0.7	0.6
Fluoranthene	mg/kg	7.6	2.4	1.9	2.8	2.7
Pyrene	mg/kg	6.8	2.4	1.9	2.7	2.5
Benzo(a)anthracene	mg/kg	3.1	1.3	0.9	1.3	1.2
Chrysene	mg/kg	2.6	1.1	0.8	1.1	1.0
Benzo(b,j+k)fluoranthene	mg/kg	4.3	2	1	2	2
Benzo(a)pyrene	mg/kg	2.7	1.3	0.89	1.1	1.1
Indeno(1,2,3-c,d)pyrene	mg/kg	1.2	0.6	0.4	0.5	0.5
Dibenzo(a,h)anthracene	mg/kg	0.4	0.2	0.1	0.2	0.1
Benzo(g,h,i)perylene	mg/kg	1.6	0.8	0.6	0.7	0.6
Total +ve PAH's	mg/kg	37	15	11	16	15
Benzo(a)pyrene TEQ calc (zero)	mg/kg	4.0	1.9	1.3	1.7	1.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	4.0	1.9	1.3	1.7	1.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	4.0	1.9	1.3	1.7	1.5
Surrogate p-Terphenyl-d14	%	96	95	97	102	99

Organochlorine Pesticides in soil						
Our Reference		186794-2	186794-4	186794-6	186794-8	186794-9
Your Reference	UNITS	SSPA-1 D	SSPA-2 D	SSPA-3 D	SSPA-4 D	BDA-20180306
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	97	94	92	96	89

Organochlorine Pesticides in soil						
Our Reference	UNITS	186794-10	186794-11	186794-12	186794-13	186794-14
Your Reference		DGBA1	DGBA2	DGBA3	DGBA4	DGBA5
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	93	92	86	93	91

Organochlorine Pesticides in soil		
Our Reference		186794-15
Your Reference	UNITS	DGBA6
Date Sampled		06/03/2018
Type of sample		Soil
Date extracted	-	09/03/2018
Date analysed	-	09/03/2018
HCB	mg/kg	<0.1
alpha-BHC	mg/kg	<0.1
gamma-BHC	mg/kg	<0.1
beta-BHC	mg/kg	<0.1
Heptachlor	mg/kg	<0.1
delta-BHC	mg/kg	<0.1
Aldrin	mg/kg	<0.1
Heptachlor Epoxide	mg/kg	<0.1
gamma-Chlordane	mg/kg	<0.1
alpha-chlordane	mg/kg	<0.1
Endosulfan I	mg/kg	<0.1
pp-DDE	mg/kg	<0.1
Dieldrin	mg/kg	<0.1
Endrin	mg/kg	<0.1
pp-DDD	mg/kg	<0.1
Endosulfan II	mg/kg	<0.1
pp-DDT	mg/kg	<0.1
Endrin Aldehyde	mg/kg	<0.1
Endosulfan Sulphate	mg/kg	<0.1
Methoxychlor	mg/kg	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1
Surrogate TCMX	%	85

Organophosphorus Pesticides						
Our Reference		186794-2	186794-4	186794-6	186794-8	186794-9
Your Reference	UNITS	SSPA-1 D	SSPA-2 D	SSPA-3 D	SSPA-4 D	BDA-20180306
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	97	94	92	96	89

Organophosphorus Pesticides						
Our Reference		186794-10	186794-11	186794-12	186794-13	186794-14
Your Reference	UNITS	DGBA1	DGBA2	DGBA3	DGBA4	DGBA5
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	93	92	86	93	91

Organophosphorus Pesticides		
Our Reference		186794-15
Your Reference	UNITS	DGBA6
Date Sampled		06/03/2018
Type of sample		Soil
Date extracted	-	09/03/2018
Date analysed	-	09/03/2018
Azinphos-methyl (Guthion)	mg/kg	<0.1
Bromophos-ethyl	mg/kg	<0.1
Chlorpyriphos	mg/kg	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1
Diazinon	mg/kg	<0.1
Dichlorvos	mg/kg	<0.1
Dimethoate	mg/kg	<0.1
Ethion	mg/kg	<0.1
Fenitrothion	mg/kg	<0.1
Malathion	mg/kg	<0.1
Parathion	mg/kg	<0.1
Ronnel	mg/kg	<0.1
Surrogate TCMX	%	85

PCBs in Soil						
Our Reference	UNITS	186794-2	186794-4	186794-6	186794-8	186794-9
Your Reference		SSPA-1 D	SSPA-2 D	SSPA-3 D	SSPA-4 D	BDA-20180306
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCLMX	%	97	94	92	96	89

PCBs in Soil						
Our Reference	UNITS	186794-10	186794-11	186794-12	186794-13	186794-14
Your Reference		DGBA1	DGBA2	DGBA3	DGBA4	DGBA5
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Aroclor 1016	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1221	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1232	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1242	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1248	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aroclor 1254	mg/kg	0.2	2.4	0.2	0.1	0.2
Aroclor 1260	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PCBs (1016-1260)	mg/kg	0.2	2.4	0.2	0.1	0.2
Surrogate TCLMX	%	93	92	86	93	91

PCBs in Soil		
Our Reference		186794-15
Your Reference	UNITS	DGBA6
Date Sampled		06/03/2018
Type of sample		Soil
Date extracted	-	09/03/2018
Date analysed	-	09/03/2018
Aroclor 1016	mg/kg	<0.1
Aroclor 1221	mg/kg	<0.1
Aroclor 1232	mg/kg	<0.1
Aroclor 1242	mg/kg	<0.1
Aroclor 1248	mg/kg	<0.1
Aroclor 1254	mg/kg	0.2
Aroclor 1260	mg/kg	<0.1
Total +ve PCBs (1016-1260)	mg/kg	0.2
Surrogate TCLMX	%	85

Misc Soil - Inorg						
Our Reference		186794-2	186794-4	186794-6	186794-8	186794-9
Your Reference	UNITS	SSPA-1 D	SSPA-2 D	SSPA-3 D	SSPA-4 D	BDA-20180306
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	13/03/2018	13/03/2018	13/03/2018	13/03/2018	13/03/2018
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg						
Our Reference		186794-10	186794-11	186794-12	186794-13	186794-14
Your Reference	UNITS	DGBA1	DGBA2	DGBA3	DGBA4	DGBA5
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	13/03/2018	13/03/2018	13/03/2018	13/03/2018	13/03/2018
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Misc Soil - Inorg		
Our Reference		186794-15
Your Reference	UNITS	DGBA6
Date Sampled		06/03/2018
Type of sample		Soil
Date prepared	-	09/03/2018
Date analysed	-	13/03/2018
Total Phenolics (as Phenol)	mg/kg	<5

Acid Extractable metals in soil						
Our Reference	UNITS	186794-1	186794-3	186794-5	186794-7	186794-10
Your Reference		SSPA-1 C	SSPA-2 C	SSPA-3 C	SSPA-4 C	DGBA1
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	6	6	6	6	9
Copper	mg/kg	3	8	4	3	19
Lead	mg/kg	8	16	17	12	17
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	3	3	3	4	6
Zinc	mg/kg	15	22	22	22	37

Acid Extractable metals in soil						
Our Reference	UNITS	186794-11	186794-12	186794-13	186794-14	186794-15
Your Reference		DGBA2	DGBA3	DGBA4	DGBA5	DGBA6
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	7	12	20	8	9
Copper	mg/kg	20	29	31	23	22
Lead	mg/kg	15	26	60	28	22
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	5	9	5	5	6
Zinc	mg/kg	30	47	60	44	43

Acid Extractable metals in soil		
Our Reference		186794-16
Your Reference	UNITS	DGBA6 - [TRIPLICATE]
Date Sampled		06/03/2018
Type of sample		Soil
Date prepared	-	09/03/2018
Date analysed	-	09/03/2018
Arsenic	mg/kg	<4
Cadmium	mg/kg	<0.4
Chromium	mg/kg	10
Copper	mg/kg	33
Lead	mg/kg	19
Mercury	mg/kg	<0.1
Nickel	mg/kg	7
Zinc	mg/kg	41

Misc Inorg - Soil					
Our Reference		186794-1	186794-3	186794-5	186794-7
Your Reference	UNITS	SSPA-1 C	SSPA-2 C	SSPA-3 C	SSPA-4 C
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	13/03/2018	13/03/2018	13/03/2018	13/03/2018
Date analysed	-	13/03/2018	13/03/2018	13/03/2018	13/03/2018
pH 1:5 soil:water	pH Units	9.5	10.4	10.5	9.6
Electrical Conductivity 1:5 soil:water	µS/cm	200	240	290	270

RTA276 ENM* Foreign Material					
Our Reference		186794-1	186794-3	186794-5	186794-7
Your Reference	UNITS	SSPA-1 C	SSPA-2 C	SSPA-3 C	SSPA-4 C
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	14/03/2018	14/03/2018	14/03/2018	14/03/2018
Date analysed	-	14/03/2018	14/03/2018	14/03/2018	14/03/2018
Sample Mass Tested	g	4,900	3,600	3,500	4,700
Foreign Material	%	<0.05	<0.05	<0.05	<0.05

Moisture						
Our Reference		186794-1	186794-2	186794-3	186794-4	186794-5
Your Reference	UNITS	SSPA-1 C	SSPA-1 D	SSPA-2 C	SSPA-2 D	SSPA-3 C
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	12/03/2018	12/03/2018	12/03/2018	12/03/2018	12/03/2018
Moisture	%	11	7.2	7.6	7.7	7.9

Moisture						
Our Reference		186794-6	186794-7	186794-8	186794-9	186794-10
Your Reference	UNITS	SSPA-3 D	SSPA-4 C	SSPA-4 D	BDA-20180306	DGBA1
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	12/03/2018	12/03/2018	12/03/2018	12/03/2018	12/03/2018
Moisture	%	7.4	8.2	8.6	7.0	8.8

Moisture						
Our Reference		186794-11	186794-12	186794-13	186794-14	186794-15
Your Reference	UNITS	DGBA2	DGBA3	DGBA4	DGBA5	DGBA6
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date analysed	-	12/03/2018	12/03/2018	12/03/2018	12/03/2018	12/03/2018
Moisture	%	7.4	8.4	6.3	7.4	8.9

Asbestos ID - soils						
Our Reference		186794-1	186794-3	186794-5	186794-7	186794-10
Your Reference	UNITS	SSPA-1 C	SSPA-2 C	SSPA-3 C	SSPA-4 C	DGBA1
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	15/03/2018	15/03/2018	15/03/2018	15/03/2018	15/03/2018
Sample mass tested	g	Approx. 45g	Approx. 35g	Approx. 50g	Approx. 65g	Approx. 45g
Sample Description	-	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibre detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibre detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibre detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibre detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibre detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils						
Our Reference		186794-11	186794-12	186794-13	186794-14	186794-15
Your Reference	UNITS	DGBA2	DGBA3	DGBA4	DGBA5	DGBA6
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
Date analysed	-	15/03/2018	15/03/2018	15/03/2018	15/03/2018	15/03/2018
Sample mass tested	g	Approx. 40g	Approx. 45g	Approx. 50g	Approx. 35g	Approx. 45g
Sample Description	-	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibre detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibre detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibre detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibre detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibre detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-002	Conductivity and Salinity - measured using a conductivity cell at 25°C in accordance with APHA latest edition 2510 and Rayment & Lyons.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Inorg-080 ENM	This method is based on RTA T276 and as per NSW DECC Resource Recovery Exemption Guidelines and correspondence. It includes rubber, plastic, bitumen, paper, cloth, paint and wood (Note wood is construction timber only, naturally occuring wood/twigs/roots are excluded). RTA T276 requires at least 6kg of sample for this test.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.

Method ID	Methodology Summary
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-008	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-014	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.
RTA276	RTA 276 - Modified to Environmental Operations (Waste) - 2005 General Exemption under Part 6, Clause 51A.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-4	186794-14
Date extracted	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
Date analysed	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
TRH C_6 - C_9	mg/kg	25	Org-016	<25	15	<25	<25	0	97	97
TRH C_6 - C_{10}	mg/kg	25	Org-016	<25	15	<25	<25	0	97	97
Benzene	mg/kg	0.2	Org-016	<0.2	15	<0.2	<0.2	0	103	103
Toluene	mg/kg	0.5	Org-016	<0.5	15	<0.5	<0.5	0	93	88
Ethylbenzene	mg/kg	1	Org-016	<1	15	<1	<1	0	86	86
m+p-xylene	mg/kg	2	Org-016	<2	15	<2	<2	0	102	105
o-Xylene	mg/kg	1	Org-016	<1	15	<1	<1	0	92	93
naphthalene	mg/kg	1	Org-014	<1	15	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	109	15	109	103	6	103	104

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	2	09/03/2018	09/03/2018		[NT]	[NT]
Date analysed	-			[NT]	2	09/03/2018	09/03/2018		[NT]	[NT]
TRH C_6 - C_9	mg/kg	25	Org-016	[NT]	2	<25	<25	0	[NT]	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-016	[NT]	2	<25	<25	0	[NT]	[NT]
Benzene	mg/kg	0.2	Org-016	[NT]	2	<0.2	<0.2	0	[NT]	[NT]
Toluene	mg/kg	0.5	Org-016	[NT]	2	<0.5	<0.5	0	[NT]	[NT]
Ethylbenzene	mg/kg	1	Org-016	[NT]	2	<1	<1	0	[NT]	[NT]
m+p-xylene	mg/kg	2	Org-016	[NT]	2	<2	<2	0	[NT]	[NT]
o-Xylene	mg/kg	1	Org-016	[NT]	2	<1	<1	0	[NT]	[NT]
naphthalene	mg/kg	1	Org-014	[NT]	2	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	[NT]	2	100	99	1	[NT]	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-4	186794-14
Date extracted	-			12/03/2018	15	09/03/2018	09/03/2018		12/03/2018	09/03/2018
Date analysed	-			13/03/2018	15	14/03/2018	14/03/2018		13/03/2018	14/03/2018
TRH C_{10} - C_{14}	mg/kg	50	Org-003	<50	15	<50	<50	0	113	122
TRH C_{15} - C_{28}	mg/kg	100	Org-003	<100	15	160	140	13	113	129
TRH C_{29} - C_{36}	mg/kg	100	Org-003	<100	15	340	320	6	106	#
TRH $>C_{10}$ -C_{16}	mg/kg	50	Org-003	<50	15	<50	<50	0	113	122
TRH $>C_{16}$ -C_{34}	mg/kg	100	Org-003	<100	15	390	360	8	113	129
TRH $>C_{34}$ -C_{40}	mg/kg	100	Org-003	<100	15	480	440	9	106	#
Surrogate o-Terphenyl	%		Org-003	98	15	101	104	3	116	99

QUALITY CONTROL: svTRH (C10-C40) in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	2	09/03/2018	09/03/2018		[NT]	[NT]
Date analysed	-			[NT]	2	13/03/2018	13/03/2018		[NT]	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-003	[NT]	2	<50	<50	0	[NT]	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-003	[NT]	2	<100	<100	0	[NT]	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-003	[NT]	2	<100	<100	0	[NT]	[NT]
TRH $>C_{10}$ -C_{16}	mg/kg	50	Org-003	[NT]	2	<50	<50	0	[NT]	[NT]
TRH $>C_{16}$ -C_{34}	mg/kg	100	Org-003	[NT]	2	<100	<100	0	[NT]	[NT]
TRH $>C_{34}$ -C_{40}	mg/kg	100	Org-003	[NT]	2	<100	<100	0	[NT]	[NT]
Surrogate o-Terphenyl	%		Org-003	[NT]	2	96	99	3	[NT]	[NT]

QUALITY CONTROL: PAHs in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-4	186794-14
Date extracted	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
Date analysed	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
Naphthalene	mg/kg	0.1	Org-012	<0.1	15	0.3	0.2	40	90	81
Acenaphthylene	mg/kg	0.1	Org-012	<0.1	15	0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012	<0.1	15	0.1	0.2	67	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012	<0.1	15	0.2	0.2	0	90	84
Phenanthrene	mg/kg	0.1	Org-012	<0.1	15	2.0	2.2	10	92	68
Anthracene	mg/kg	0.1	Org-012	<0.1	15	0.6	0.7	15	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012	<0.1	15	2.7	2.8	4	89	60
Pyrene	mg/kg	0.1	Org-012	<0.1	15	2.5	2.5	0	93	64
Benzo(a)anthracene	mg/kg	0.1	Org-012	<0.1	15	1.2	1.2	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012	<0.1	15	1.0	1.0	0	100	87
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012	<0.2	15	2	2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012	<0.05	15	1.1	1.1	0	102	87
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012	<0.1	15	0.5	0.4	22	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012	<0.1	15	0.1	0.2	67	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012	<0.1	15	0.6	0.6	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012	109	15	99	100	1	119	115

QUALITY CONTROL: PAHs in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	2	09/03/2018	09/03/2018		[NT]	[NT]
Date analysed	-			[NT]	2	09/03/2018	09/03/2018		[NT]	[NT]
Naphthalene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Acenaphthylene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Phenanthrene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Anthracene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Pyrene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012	[NT]	2	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012	[NT]	2	<0.05	<0.05	0	[NT]	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012	[NT]	2	105	97	8	[NT]	[NT]

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-4	186794-14
Date extracted	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
Date analysed	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
HCB	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	98	61
gamma-BHC	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	93	87
Heptachlor	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	95	88
delta-BHC	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	92	87
Heptachlor Epoxide	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	96	89
gamma-Chlordane	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	98	92
Dieldrin	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	105	98
Endrin	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	102	96
pp-DDD	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	102	93
Endosulfan II	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	104	69
Methoxychlor	mg/kg	0.1	Org-005	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-005	114	15	85	93	9	102	100

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			[NT]	2	09/03/2018	09/03/2018		09/03/2018	[NT]
Date analysed	-			[NT]	2	09/03/2018	09/03/2018		09/03/2018	[NT]
HCB	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	95	[NT]
gamma-BHC	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	91	[NT]
Heptachlor	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	93	[NT]
delta-BHC	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	91	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	95	[NT]
gamma-Chlordane	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	97	[NT]
Dieldrin	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	104	[NT]
Endrin	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	100	[NT]
pp-DDD	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	100	[NT]
Endosulfan II	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	94	[NT]
Methoxychlor	mg/kg	0.1	Org-005	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-005	[NT]	2	97	103	6	99	[NT]

QUALITY CONTROL: Organophosphorus Pesticides					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-4	186794-14
Date extracted	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
Date analysed	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	107	111
Chlorpyriphos-methyl	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	94	73
Dimethoate	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	106	116
Fenitrothion	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	105	106
Malathion	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	95	72
Parathion	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	100	110
Ronnel	mg/kg	0.1	Org-008	<0.1	15	<0.1	<0.1	0	120	126
Surrogate TCMX	%		Org-008	114	15	85	93	9	99	94

QUALITY CONTROL: Organophosphorus Pesticides					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			[NT]	2	09/03/2018	09/03/2018		09/03/2018	[NT]
Date analysed	-			[NT]	2	09/03/2018	09/03/2018		09/03/2018	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	107	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	89	[NT]
Dimethoate	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	108	[NT]
Fenitrothion	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	109	[NT]
Malathion	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	92	[NT]
Parathion	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	108	[NT]
Ronnel	mg/kg	0.1	Org-008	[NT]	2	<0.1	<0.1	0	122	[NT]
Surrogate TCMX	%		Org-008	[NT]	2	97	103	6	93	[NT]

Client Reference: 85608.14, Waterloo

QUALITY CONTROL: PCBs in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-4	186794-14
Date extracted	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
Date analysed	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
Aroclor 1016	mg/kg	0.1	Org-006	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	<0.1	15	0.2	0.3	40	107	109
Aroclor 1260	mg/kg	0.1	Org-006	<0.1	15	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCLMX	%		Org-006	114	15	85	93	9	99	94

QUALITY CONTROL: PCBs in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			[NT]	2	09/03/2018	09/03/2018		09/03/2018	[NT]
Date analysed	-			[NT]	2	09/03/2018	09/03/2018		09/03/2018	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	[NT]	2	<0.1	<0.1	0	104	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	[NT]	2	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCLMX	%		Org-006	[NT]	2	97	103	6	93	[NT]

QUALITY CONTROL: Misc Soil - Inorg						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-4	[NT]
Date prepared	-			13/03/2018	2	09/03/2018	09/03/2018		13/03/2018	[NT]
Date analysed	-			13/03/2018	2	13/03/2018	13/03/2018		13/03/2018	[NT]
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	2	<5	<5	0	100	[NT]

Client Reference: 85608.14, Waterloo

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-4	186794-14
Date prepared	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
Date analysed	-			09/03/2018	15	09/03/2018	09/03/2018		09/03/2018	09/03/2018
Arsenic	mg/kg	4	Metals-020	<4	15	<4	<4	0	112	87
Cadmium	mg/kg	0.4	Metals-020	<0.4	15	<0.4	<0.4	0	106	85
Chromium	mg/kg	1	Metals-020	<1	15	9	11	20	107	84
Copper	mg/kg	1	Metals-020	<1	15	22	68	102	108	110
Lead	mg/kg	1	Metals-020	<1	15	22	47	72	109	91
Mercury	mg/kg	0.1	Metals-021	<0.1	15	<0.1	<0.1	0	107	106
Nickel	mg/kg	1	Metals-020	<1	15	6	11	59	110	87
Zinc	mg/kg	1	Metals-020	<1	15	43	49	13	113	107

Client Reference: 85608.14, Waterloo

QUALITY CONTROL: Misc Inorg - Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-4	[NT]
Date prepared	-			13/03/2018	[NT]	[NT]	[NT]	[NT]	13/03/2018	[NT]
Date analysed	-			13/03/2018	[NT]	[NT]	[NT]	[NT]	13/03/2018	[NT]
pH 1:5 soil:water	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	102	[NT]
Electrical Conductivity 1:5 soil:water	µS/cm	1	Inorg-002	<1	[NT]	[NT]	[NT]	[NT]	97	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Report Comments

Acid Extractable Metals in Soil: The laboratory RPD acceptance criteria has been exceeded for 186794-15 for Cu, Pb and Ni. Therefore a triplicate result has been issued as laboratory sample number 186794-16.

Asbestos: A portion of the supplied sample was sub-sampled for asbestos analysis according to Envirolab procedures. We cannot guarantee that this sub-sample is indicative of the entire sample. Envirolab recommends supplying 40-50g of sample in its own container.

Note: Samples 186794-1, 3, 5 & 7 were sub-sampled from jars and Samples 186794-10 to 15 were sub-sampled from bags provided by the client.

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CERTIFICATE OF ANALYSIS 185902-A

Client Details

Client	Douglas Partners Pty Ltd
Attention	David Walker, Tim Wright
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**85608.14, Waterloo**
Number of Samples	13 soil
Date samples received	23/02/2018
Date completed instructions received	05/03/2018

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	12/03/2018
Date of Issue	12/03/2018

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Results Approved By
Long Pham, Team Leader, Metals
Steven Luong, Senior Chemist

Authorised By

David Springer

David Springer, General Manager

Metals in TCLP USEPA1311				
Our Reference		185902-A-3	185902-A-4	185902-A-6
Your Reference	UNITS	WLDGB1-3	WLDGB2-1	WLDGB2-3
Date Sampled		15/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil
Date extracted	-	12/03/2018	06/03/2018	06/03/2018
Date analysed	-	12/03/2018	07/03/2018	07/03/2018
pH of soil for fluid# determ.	pH units	10.9	11.5	11.2
pH of soil TCLP (after HCl)	pH units	1.9	2.0	1.9
Extraction fluid used	-	1	1	1
pH of final Leachate	pH units	6.3	9.7	9.5
Lead in TCLP	mg/L	<0.03	[NA]	[NA]

PAHs in TCLP (USEPA 1311)				
Our Reference		185902-A-3	185902-A-4	185902-A-6
Your Reference	UNITS	WLDGB1-3	WLDGB2-1	WLDGB2-3
Date Sampled		15/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil
Date extracted	-	07/03/2018	07/03/2018	07/03/2018
Date analysed	-	08/03/2018	08/03/2018	08/03/2018
Naphthalene in TCLP	mg/L	0.001	0.001	0.001
Acenaphthylene in TCLP	mg/L	<0.001	<0.001	<0.001
Acenaphthene in TCLP	mg/L	<0.001	<0.001	<0.001
Fluorene in TCLP	mg/L	<0.001	<0.001	<0.001
Phenanthrene in TCLP	mg/L	<0.001	<0.001	<0.001
Anthracene in TCLP	mg/L	<0.001	<0.001	<0.001
Fluoranthene in TCLP	mg/L	<0.001	<0.001	<0.001
Pyrene in TCLP	mg/L	<0.001	<0.001	<0.001
Benzo(a)anthracene in TCLP	mg/L	<0.001	<0.001	<0.001
Chrysene in TCLP	mg/L	<0.001	<0.001	<0.001
Benzo(bjk)fluoranthene in TCLP	mg/L	<0.002	<0.002	<0.002
Benzo(a)pyrene in TCLP	mg/L	<0.001	<0.001	<0.001
Indeno(1,2,3-c,d)pyrene - TCLP	mg/L	<0.001	<0.001	<0.001
Dibenzo(a,h)anthracene in TCLP	mg/L	<0.001	<0.001	<0.001
Benzo(g,h,i)perylene in TCLP	mg/L	<0.001	<0.001	<0.001
Total +ve PAH's	mg/L	0.001	0.001	0.001
Surrogate p-Terphenyl-d14	%	99	97	103

Method ID	Methodology Summary
EXTRACT.7	Toxicity Characteristic Leaching Procedure (TCLP) using Zero Headspace Extraction (zHE) using AS4439 and USEPA 1311.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-004	Toxicity Characteristic Leaching Procedure (TCLP) using in house method INORG-004.
Metals-020 ICP-AES	Determination of various metals by ICP-AES.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS.
Org-012	Leachates are extracted with Dichloromethane and analysed by GC-MS.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.

Client Reference: 85608.14, Waterloo

QUALITY CONTROL: Metals in TCLP USEPA1311					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			12/03/2018	[NT]	[NT]	[NT]	[NT]	12/03/2018	[NT]
Date analysed	-			12/03/2018	[NT]	[NT]	[NT]	[NT]	12/03/2018	[NT]
Lead in TCLP	mg/L	0.03	Metals-020 ICP-AES	<0.03	[NT]	[NT]	[NT]	[NT]	98	[NT]

Client Reference: 85608.14, Waterloo

QUALITY CONTROL: PAHs in TCLP (USEPA 1311)					Duplicate					Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W4	[NT]
Date extracted	-			07/03/2018	[NT]	[NT]	[NT]	[NT]	07/03/2018	[NT]
Date analysed	-			08/03/2018	[NT]	[NT]	[NT]	[NT]	08/03/2018	[NT]
Naphthalene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	87	[NT]
Acenaphthylene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluorene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	75	[NT]
Phenanthrene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	76	[NT]
Anthracene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	79	[NT]
Pyrene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	80	[NT]
Benzo(a)anthracene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	81	[NT]
Benzo(bjk)fluoranthene in TCLP	mg/L	0.002	Org-012	<0.002	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	76	[NT]
Indeno(1,2,3-c,d)pyrene - TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012	106	[NT]	[NT]	[NT]	[NT]	91	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Report Comments

PAHs in TCLP (USEPA 1311) - Analysed outside of recommended holding time.

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CERTIFICATE OF ANALYSIS 185902

Client Details

Client	Douglas Partners Pty Ltd
Attention	David Walker, Tim Wright
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**85608.14, Waterloo**
Number of Samples	13 soil
Date samples received	23/02/2018
Date completed instructions received	23/02/2018

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	02/03/2018
Date of Issue	02/03/2018

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Results Approved By
Dragana Tomas, Senior Chemist
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Lulu Scott, Asbestos Supervisor
Nick Sarlamis, Inorganics Supervisor
Steven Luong, Senior Chemist

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David Springer, General Manager

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		185902-1	185902-2	185902-3	185902-4	185902-5
Your Reference	UNITS	WLDGB1-1	WLDGB1-2	WLDGB1-3	WLDGB2-1	WLDGB2-2
Date Sampled		15/02/2018	15/02/2018	15/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	27/02/2018	27/02/2018	27/02/2018	27/02/2018	27/02/2018
TRH C_6 - C_9	mg/kg	<25	<25	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25	<25	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	92	93	93	92	85

vTRH(C6-C10)/BTEXN in Soil				
Our Reference		185902-6	185902-7	185902-8
Your Reference	UNITS	WLDGB2-3	WLDGB2-5	WLDGB2-6
Date Sampled		16/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil
Date extracted	-	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	27/02/2018	27/02/2018	27/02/2018
TRH C_6 - C_9	mg/kg	<25	<25	<25
TRH C_6 - C_{10}	mg/kg	<25	<25	<25
vTPH C_6 - C_{10} less BTEX (F1)	mg/kg	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1
Total +ve Xylenes	mg/kg	<1	<1	<1
Surrogate aaa-Trifluorotoluene	%	108	83	89

svTRH (C10-C40) in Soil

Our Reference		185902-1	185902-2	185902-3	185902-4	185902-5
Your Reference	UNITS	WLDGB1-1	WLDGB1-2	WLDGB1-3	WLDGB2-1	WLDGB2-2
Date Sampled		15/02/2018	15/02/2018	15/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	27/02/2018	27/02/2018	27/02/2018	27/02/2018	27/02/2018
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	160	180	210	110	110
TRH C_{29} - C_{36}	mg/kg	340	470	590	220	230
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	400	490	610	260	270
TRH >C_{34} -C_{40}	mg/kg	400	580	730	340	340
Total +ve TRH (>C10-C40)	mg/kg	790	1,100	1,300	590	610
Surrogate o-Terphenyl	%	88	88	87	83	83

svTRH (C10-C40) in Soil

Our Reference		185902-6	185902-7	185902-8
Your Reference	UNITS	WLDGB2-3	WLDGB2-5	WLDGB2-6
Date Sampled		16/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil
Date extracted	-	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	27/02/2018	27/02/2018	27/02/2018
TRH C_{10} - C_{14}	mg/kg	<50	<50	<50
TRH C_{15} - C_{28}	mg/kg	170	110	<100
TRH C_{29} - C_{36}	mg/kg	310	250	140
TRH >C_{10} -C_{16}	mg/kg	<50	<50	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	mg/kg	<50	<50	<50
TRH >C_{16} -C_{34}	mg/kg	380	280	180
TRH >C_{34} -C_{40}	mg/kg	410	330	140
Total +ve TRH (>C10-C40)	mg/kg	790	610	320
Surrogate o-Terphenyl	%	87	84	88

PAHs in Soil						
Our Reference	UNITS	185902-1	185902-2	185902-3	185902-4	185902-5
Your Reference		WLDGB1-1	WLDGB1-2	WLDGB1-3	WLDGB2-1	WLDGB2-2
Date Sampled		15/02/2018	15/02/2018	15/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	27/02/2018	27/02/2018	27/02/2018	27/02/2018	27/02/2018
Naphthalene	mg/kg	0.4	0.4	0.4	0.2	0.2
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.5	0.3	0.5	<0.1	<0.1
Fluorene	mg/kg	0.3	0.2	0.3	<0.1	<0.1
Phenanthrene	mg/kg	2.9	1.6	2.8	1.4	0.7
Anthracene	mg/kg	0.7	0.4	0.7	0.3	0.2
Fluoranthene	mg/kg	1.9	1.2	2.0	1.5	0.9
Pyrene	mg/kg	2.0	1.3	2.2	1.5	1
Benzo(a)anthracene	mg/kg	0.7	0.6	0.9	0.7	0.4
Chrysene	mg/kg	0.8	0.5	0.9	0.7	0.4
Benzo(b,j+k)fluoranthene	mg/kg	1	0.8	1	1	0.8
Benzo(a)pyrene	mg/kg	0.75	0.58	0.91	0.81	0.54
Indeno(1,2,3-c,d)pyrene	mg/kg	0.4	0.3	0.4	0.4	0.3
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	0.1	0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	0.6	0.4	0.6	0.6	0.4
Total +ve PAH's	mg/kg	13	8.5	14	9.6	5.9
Benzo(a)pyrene TEQ calc (zero)	mg/kg	1	0.8	1.3	1.2	0.7
Benzo(a)pyrene TEQ calc(half)	mg/kg	1.0	0.8	1.3	1.2	0.8
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	1.1	0.8	1.3	1.2	0.8
Surrogate p-Terphenyl-d14	%	96	100	102	100	100

PAHs in Soil				
Our Reference		185902-6	185902-7	185902-8
Your Reference	UNITS	WLDGB2-3	WLDGB2-5	WLDGB2-6
Date Sampled		16/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil
Date extracted	-	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	27/02/2018	27/02/2018	27/02/2018
Naphthalene	mg/kg	0.2	0.1	<0.1
Acenaphthylene	mg/kg	0.1	<0.1	<0.1
Acenaphthene	mg/kg	0.3	<0.1	0.1
Fluorene	mg/kg	0.1	<0.1	<0.1
Phenanthrene	mg/kg	1.3	0.8	0.4
Anthracene	mg/kg	0.4	0.2	0.1
Fluoranthene	mg/kg	2.2	0.9	0.8
Pyrene	mg/kg	2.0	0.9	0.8
Benzo(a)anthracene	mg/kg	0.9	0.5	0.4
Chrysene	mg/kg	1	0.4	0.4
Benzo(b,j+k)fluoranthene	mg/kg	1	0.7	0.6
Benzo(a)pyrene	mg/kg	0.92	0.5	0.4
Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	0.2	0.2
Dibenzo(a,h)anthracene	mg/kg	0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	0.6	0.4	0.3
Total +ve PAH's	mg/kg	12	5.6	4.4
Benzo(a)pyrene TEQ calc (zero)	mg/kg	1.3	0.6	0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	1.3	0.7	0.6
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	1.3	0.7	0.6
Surrogate p-Terphenyl-d14	%	100	106	103

Organochlorine Pesticides in soil						
Our Reference		185902-1	185902-3	185902-4	185902-6	185902-8
Your Reference	UNITS	WLDGB1-1	WLDGB1-3	WLDGB2-1	WLDGB2-3	WLDGB2-6
Date Sampled		15/02/2018	15/02/2018	16/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	01/03/2018	01/03/2018	01/03/2018	01/03/2018	01/03/2018
HCB	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
beta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
delta-BHC	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Aldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor Epoxide	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
gamma-Chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
alpha-chlordane	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan I	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dieldrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDD	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan II	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
pp-DDT	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin Aldehyde	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan Sulphate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve DDT+DDD+DDE	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	91	85	84	87	87

Organophosphorus Pesticides						
Our Reference		185902-1	185902-3	185902-4	185902-6	185902-8
Your Reference	UNITS	WLDGB1-1	WLDGB1-3	WLDGB2-1	WLDGB2-3	WLDGB2-6
Date Sampled		15/02/2018	15/02/2018	16/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	01/03/2018	01/03/2018	01/03/2018	01/03/2018	01/03/2018
Azinphos-methyl (Guthion)	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Bromophos-ethyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorpyriphos-methyl	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Diazinon	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dichlorvos	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethoate	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ethion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fenitrothion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Malathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Parathion	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Ronnel	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Surrogate TCMX	%	91	85	84	87	87

PCBs in Soil						
Our Reference	UNITS	185902-1	185902-3	185902-4	185902-6	185902-8
Your Reference		WLDGB1-1	WLDGB1-3	WLDGB2-1	WLDGB2-3	WLDGB2-6
Date Sampled		15/02/2018	15/02/2018	16/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil	soil	soil
Date extracted	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	01/03/2018	01/03/2018	01/03/2018	01/03/2018	01/03/2018
Aroclor 1016	mg/kg	<0.2	<0.2	<0.1	<0.2	<0.1
Aroclor 1221	mg/kg	<0.2	<0.2	<0.1	<0.2	<0.1
Aroclor 1232	mg/kg	<0.2	<0.2	<0.1	<0.2	<0.1
Aroclor 1242	mg/kg	<0.2	<0.2	<0.1	<0.2	<0.1
Aroclor 1248	mg/kg	<0.2	<0.2	<0.1	<0.2	<0.1
Aroclor 1254	mg/kg	<0.2	<0.2	<0.1	<0.2	<0.1
Aroclor 1260	mg/kg	<0.2	<0.2	<0.1	<0.2	<0.1
Total +ve PCBs (1016-1260)	mg/kg	<0.2	<0.2	<0.1	<0.2	<0.1
Surrogate TCLMX	%	91	85	84	87	87

Acid Extractable metals in soil						
Our Reference		185902-1	185902-2	185902-3	185902-4	185902-5
Your Reference	UNITS	WLDGB1-1	WLDGB1-2	WLDGB1-3	WLDGB2-1	WLDGB2-2
Date Sampled		15/02/2018	15/02/2018	15/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil	soil	soil
Date prepared	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	26	15	21	15	41
Copper	mg/kg	19	29	39	31	34
Lead	mg/kg	17	28	130	17	16
Mercury	mg/kg	<0.1	<0.1	0.2	<0.1	<0.1
Nickel	mg/kg	11	13	18	10	11
Zinc	mg/kg	30	47	290	45	48

Acid Extractable metals in soil				
Our Reference		185902-6	185902-7	185902-8
Your Reference	UNITS	WLDGB2-3	WLDGB2-5	WLDGB2-6
Date Sampled		16/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil
Date prepared	-	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	26/02/2018	26/02/2018	26/02/2018
Arsenic	mg/kg	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4
Chromium	mg/kg	12	13	14
Copper	mg/kg	40	30	30
Lead	mg/kg	20	23	17
Mercury	mg/kg	<0.1	<0.1	<0.1
Nickel	mg/kg	8	8	7
Zinc	mg/kg	51	41	40

Misc Soil - Inorg						
Our Reference	UNITS	185902-1	185902-3	185902-4	185902-6	185902-8
Your Reference		WLDGB1-1	WLDGB1-3	WLDGB2-1	WLDGB2-3	WLDGB2-6
Date Sampled		15/02/2018	15/02/2018	16/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil	soil	soil
Date prepared	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Total Phenolics (as Phenol)	mg/kg	<5	<5	<5	<5	<5

Moisture						
Our Reference		185902-1	185902-2	185902-3	185902-4	185902-5
Your Reference	UNITS	WLDGB1-1	WLDGB1-2	WLDGB1-3	WLDGB2-1	WLDGB2-2
Date Sampled		15/02/2018	15/02/2018	15/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil	soil	soil
Date prepared	-	26/02/2018	26/02/2018	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	27/02/2018	27/02/2018	27/02/2018	27/02/2018	27/02/2018
Moisture	%	4.8	2.6	5.7	8.8	8.6

Moisture				
Our Reference		185902-6	185902-7	185902-8
Your Reference	UNITS	WLDGB2-3	WLDGB2-5	WLDGB2-6
Date Sampled		16/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil
Date prepared	-	26/02/2018	26/02/2018	26/02/2018
Date analysed	-	27/02/2018	27/02/2018	27/02/2018
Moisture	%	8.1	9.0	9.2

Asbestos ID - soils						
Our Reference		185902-1	185902-2	185902-3	185902-4	185902-5
Your Reference	UNITS	WLDGB1-1	WLDGB1-2	WLDGB1-3	WLDGB2-1	WLDGB2-2
Date Sampled		15/02/2018	15/02/2018	15/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil	soil	soil
Date analysed	-	01/03/2018	01/03/2018	01/03/2018	01/03/2018	01/03/2018
Sample mass tested	g	Approx. 50g	Approx. 45g	Approx. 60g	Approx. 35g	Approx. 40g
Sample Description	-	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

Asbestos ID - soils				
Our Reference		185902-6	185902-7	185902-8
Your Reference	UNITS	WLDGB2-3	WLDGB2-5	WLDGB2-6
Date Sampled		16/02/2018	16/02/2018	16/02/2018
Type of sample		soil	soil	soil
Date analysed	-	01/03/2018	01/03/2018	01/03/2018
Sample mass tested	g	Approx. 30g	Approx. 35g	Approx. 40g
Sample Description	-	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks	Grey coarse-grained soil & rocks
Asbestos ID in soil	-	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected	No asbestos detected at reporting limit of 0.1g/kg Organic fibres detected
Trace Analysis	-	No asbestos detected	No asbestos detected	No asbestos detected

Method ID	Methodology Summary
ASB-001	Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004.
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis. Note, the Total +ve TRH PQL is reflective of the lowest individual PQL and is therefore "Total +ve TRH" is simply a sum of the positive individual TRH fractions (>C10-C40).
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's. Note, the Total +ve reported DDD+DDE+DDT PQL is reflective of the lowest individual PQL and is therefore simply a sum of the positive individually report DDD+DDE+DDT.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD.
Org-006	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC-ECD. Note, the Total +ve PCBs PQL is reflective of the lowest individual PQL and is therefore" Total +ve PCBs" is simply a sum of the positive individual PCBs.
Org-008	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.

Method ID	Methodology Summary
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013. For soil results:- 1. 'EQ PQL'values are assuming all contributing PAHs reported as <PQL are actually at the PQL. This is the most conservative approach and can give false positive TEQs given that PAHs that contribute to the TEQ calculation may not be present. 2. 'EQ zero'values are assuming all contributing PAHs reported as <PQL are zero. This is the least conservative approach and is more susceptible to false negative TEQs when PAHs that contribute to the TEQ calculation are present but below PQL. 3. 'EQ half PQL'values are assuming all contributing PAHs reported as <PQL are half the stipulated PQL. Hence a mid-point between the most and least conservative approaches above. Note, the Total +ve PAHs PQL is reflective of the lowest individual PQL and is therefore "Total +ve PAHs" is simply a sum of the positive individual PAHs.
Org-014	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater. Note, the Total +ve Xylene PQL is reflective of the lowest individual PQL and is therefore "Total +ve Xylenes" is simply a sum of the positive individual Xylenes.

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			26/02/2018	8	26/02/2018	26/02/2018		26/02/2018	[NT]
Date analysed	-			27/02/2018	8	27/02/2018	27/02/2018		27/02/2018	[NT]
TRH C_6 - C_9	mg/kg	25	Org-016	<25	8	<25	<25	0	97	[NT]
TRH C_6 - C_{10}	mg/kg	25	Org-016	<25	8	<25	<25	0	97	[NT]
Benzene	mg/kg	0.2	Org-016	<0.2	8	<0.2	<0.2	0	90	[NT]
Toluene	mg/kg	0.5	Org-016	<0.5	8	<0.5	<0.5	0	92	[NT]
Ethylbenzene	mg/kg	1	Org-016	<1	8	<1	<1	0	99	[NT]
m+p-xylene	mg/kg	2	Org-016	<2	8	<2	<2	0	101	[NT]
o-Xylene	mg/kg	1	Org-016	<1	8	<1	<1	0	99	[NT]
naphthalene	mg/kg	1	Org-014	<1	8	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-016	93	8	89	87	2	90	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			27/02/2018	8	26/02/2018	26/02/2018		26/02/2018	[NT]
Date analysed	-			27/02/2018	8	27/02/2018	27/02/2018		26/02/2018	[NT]
TRH C_{10} - C_{14}	mg/kg	50	Org-003	<50	8	<50	<50	0	109	[NT]
TRH C_{15} - C_{28}	mg/kg	100	Org-003	<100	8	<100	<100	0	92	[NT]
TRH C_{29} - C_{36}	mg/kg	100	Org-003	<100	8	140	180	25	77	[NT]
TRH >C_{10} -C_{16}	mg/kg	50	Org-003	<50	8	<50	<50	0	109	[NT]
TRH >C_{16} -C_{34}	mg/kg	100	Org-003	<100	8	180	200	11	92	[NT]
TRH >C_{34} -C_{40}	mg/kg	100	Org-003	<100	8	140	170	19	77	[NT]
Surrogate o-Terphenyl	%		Org-003	89	8	88	88	0	92	[NT]

QUALITY CONTROL: PAHs in Soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			26/02/2018	8	26/02/2018	26/02/2018		26/02/2018	[NT]
Date analysed	-			27/02/2018	8	27/02/2018	27/02/2018		27/02/2018	[NT]
Naphthalene	mg/kg	0.1	Org-012	<0.1	8	<0.1	<0.1	0	85	[NT]
Acenaphthylene	mg/kg	0.1	Org-012	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-012	<0.1	8	0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-012	<0.1	8	<0.1	<0.1	0	78	[NT]
Phenanthrene	mg/kg	0.1	Org-012	<0.1	8	0.4	1	86	75	[NT]
Anthracene	mg/kg	0.1	Org-012	<0.1	8	0.1	0.3	100	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-012	<0.1	8	0.8	1.9	81	73	[NT]
Pyrene	mg/kg	0.1	Org-012	<0.1	8	0.8	1.9	81	78	[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-012	<0.1	8	0.4	1.1	93	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-012	<0.1	8	0.4	1.0	86	93	[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-012	<0.2	8	0.6	2	108	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-012	<0.05	8	0.4	1.1	93	86	[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-012	<0.1	8	0.2	0.6	100	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-012	<0.1	8	<0.1	0.2	67	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-012	<0.1	8	0.3	0.8	91	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012	92	8	103	101	2	113	[NT]

Client Reference: 85608.14, Waterloo

QUALITY CONTROL: Organochlorine Pesticides in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			26/02/2018	8	26/02/2018	26/02/2018		26/02/2018	[NT]
Date analysed	-			01/03/2018	8	01/03/2018	01/03/2018		01/03/2018	[NT]
HCB	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
alpha-BHC	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	75	[NT]
gamma-BHC	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
beta-BHC	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	78	[NT]
Heptachlor	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	70	[NT]
delta-BHC	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Aldrin	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	79	[NT]
Heptachlor Epoxide	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	80	[NT]
gamma-Chlordane	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
alpha-chlordane	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Endosulfan I	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
pp-DDE	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	84	[NT]
Dieldrin	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	89	[NT]
Endrin	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	74	[NT]
pp-DDD	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	81	[NT]
Endosulfan II	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
pp-DDT	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Endrin Aldehyde	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Endosulfan Sulphate	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	74	[NT]
Methoxychlor	mg/kg	0.1	Org-005	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCMX	%		Org-005	92	8	87	88	1	111	[NT]

QUALITY CONTROL: Organophosphorus Pesticides					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			26/02/2018	8	26/02/2018	26/02/2018		26/02/2018	[NT]
Date analysed	-			01/03/2018	8	01/03/2018	01/03/2018		01/03/2018	[NT]
Azinphos-methyl (Guthion)	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Bromophos-ethyl	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Chlorpyriphos	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	77	[NT]
Chlorpyriphos-methyl	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Diazinon	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Dichlorvos	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	85	[NT]
Dimethoate	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Ethion	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	79	[NT]
Fenitrothion	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	92	[NT]
Malathion	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	84	[NT]
Parathion	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	104	[NT]
Ronnel	mg/kg	0.1	Org-008	<0.1	8	<0.1	<0.1	0	86	[NT]
Surrogate TCMX	%		Org-008	92	8	87	88	1	83	[NT]

QUALITY CONTROL: PCBs in Soil						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date extracted	-			26/02/2018	8	26/02/2018	26/02/2018		26/02/2018	[NT]
Date analysed	-			01/03/2018	8	01/03/2018	01/03/2018		01/03/2018	[NT]
Aroclor 1016	mg/kg	0.1	Org-006	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1221	mg/kg	0.1	Org-006	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1232	mg/kg	0.1	Org-006	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1242	mg/kg	0.1	Org-006	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1248	mg/kg	0.1	Org-006	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Aroclor 1254	mg/kg	0.1	Org-006	<0.1	8	<0.1	<0.1	0	100	[NT]
Aroclor 1260	mg/kg	0.1	Org-006	<0.1	8	<0.1	<0.1	0	[NT]	[NT]
Surrogate TCLMX	%		Org-006	92	8	87	88	1	83	[NT]

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date prepared	-			26/02/2018	8	26/02/2018	26/02/2018		26/02/2018	[NT]
Date analysed	-			26/02/2018	8	26/02/2018	26/02/2018		26/02/2018	[NT]
Arsenic	mg/kg	4	Metals-020	<4	8	<4	<4	0	119	[NT]
Cadmium	mg/kg	0.4	Metals-020	<0.4	8	<0.4	<0.4	0	114	[NT]
Chromium	mg/kg	1	Metals-020	<1	8	14	16	13	117	[NT]
Copper	mg/kg	1	Metals-020	<1	8	30	35	15	116	[NT]
Lead	mg/kg	1	Metals-020	<1	8	17	18	6	117	[NT]
Mercury	mg/kg	0.1	Metals-021	<0.1	8	<0.1	<0.1	0	96	[NT]
Nickel	mg/kg	1	Metals-020	<1	8	7	11	44	111	[NT]
Zinc	mg/kg	1	Metals-020	<1	8	40	52	26	121	[NT]

QUALITY CONTROL: Acid Extractable metals in soil					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	3	26/02/2018	26/02/2018		[NT]	[NT]
Date analysed	-			[NT]	3	26/02/2018	26/02/2018		[NT]	[NT]
Arsenic	mg/kg	4	Metals-020	[NT]	3	<4	<4	0	[NT]	[NT]
Cadmium	mg/kg	0.4	Metals-020	[NT]	3	<0.4	<0.4	0	[NT]	[NT]
Chromium	mg/kg	1	Metals-020	[NT]	3	21	15	33	[NT]	[NT]
Copper	mg/kg	1	Metals-020	[NT]	3	39	46	16	[NT]	[NT]
Lead	mg/kg	1	Metals-020	[NT]	3	130	160	21	[NT]	[NT]
Mercury	mg/kg	0.1	Metals-021	[NT]	3	0.2	0.2	0	[NT]	[NT]
Nickel	mg/kg	1	Metals-020	[NT]	3	18	13	32	[NT]	[NT]
Zinc	mg/kg	1	Metals-020	[NT]	3	290	180	47	[NT]	[NT]

Client Reference: 85608.14, Waterloo

QUALITY CONTROL: Misc Soil - Inorg					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-5	[NT]
Date prepared	-			26/02/2018	[NT]	[NT]	[NT]	[NT]	26/02/2018	[NT]
Date analysed	-			26/02/2018	[NT]	[NT]	[NT]	[NT]	26/02/2018	[NT]
Total Phenolics (as Phenol)	mg/kg	5	Inorg-031	<5	[NT]	[NT]	[NT]	[NT]	99	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Report Comments

PAHs in Soil - The RPD for duplicate results is accepted due to the non homogenous nature of sample 8.

Asbestos: Excessive sample volumes were provided for asbestos analysis.
A portion of the supplied samples were sub-sampled according to Envirolab procedures.
We cannot guarantee that these sub-samples are indicative of the entire sample.
Envirolab recommends supplying 40-50g (50mL) of sample in its own container as per AS4964-2004.
Note: Samples 185902-1, 2, 3, 4, 5, 6, 7 & 8 were sub-sampled from bags provided by the client.

PCBs in Soil (1,3,6) - PQL has been raised due to interference from analytes(other than those being tested) in the sample/s.

Envirolab Services Pty Ltd
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customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 186794-A

Client Details

Client	Douglas Partners Pty Ltd
Attention	Kurt Plambeck
Address	96 Hermitage Rd, West Ryde, NSW, 2114

Sample Details

Your Reference	**85608.14, Waterloo**
Number of Samples	Additional Testing on 6 Soils
Date samples received	08/03/2018
Date completed instructions received	16/03/2018

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

Date results requested by	23/03/2018
Date of Issue	23/03/2018

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Asbestos Approved By
Analysed by Asbestos Approved Identifier: Paul Ching
Authorised by Asbestos Approved Signatory: Paul Ching
Results Approved By
Dragana Tomas, Senior Chemist

Authorised By

David Springer

David Springer, General Manager

PAHs in TCLP (USEPA 1311)						
Our Reference	UNITS	186794-A-10	186794-A-11	186794-A-12	186794-A-13	186794-A-14
Your Reference		DGBA1	DGBA2	DGBA3	DGBA4	DGBA5
Date Sampled		06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Type of sample		Soil	Soil	Soil	Soil	Soil
pH of soil for fluid# determ.	pH units	11.1	11.2	11.7	11.2	11.3
pH of soil TCLP (after HCl)	pH units	1.4	1.7	1.4	1.5	1.5
Extraction fluid used	-	1	1	1	1	1
pH of final Leachate	pH units	6.9	6.1	7.2	6.6	7.8
Date extracted	-	19/03/2018	19/03/2018	19/03/2018	19/03/2018	19/03/2018
Date analysed	-	19/03/2018	19/03/2018	19/03/2018	19/03/2018	19/03/2018
Naphthalene in TCLP	mg/L	0.001	0.001	0.002	<0.001	0.002
Acenaphthylene in TCLP	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Acenaphthene in TCLP	mg/L	<0.001	<0.001	0.001	<0.001	<0.001
Fluorene in TCLP	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Phenanthrene in TCLP	mg/L	<0.001	<0.001	0.002	<0.001	0.001
Anthracene in TCLP	mg/L	<0.001	<0.001	0.001	<0.001	<0.001
Fluoranthene in TCLP	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Pyrene in TCLP	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(a)anthracene in TCLP	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Chrysene in TCLP	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(bjk)fluoranthene in TCLP	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002
Benzo(a)pyrene in TCLP	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Indeno(1,2,3-c,d)pyrene - TCLP	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Dibenzo(a,h)anthracene in TCLP	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(g,h,i)perylene in TCLP	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001
Total +ve PAH's	mg/L	0.001	0.001	0.0060	NIL (+)VE	0.0030
Surrogate p-Terphenyl-d14	%	67	61	119	92	86

PAHs in TCLP (USEPA 1311)		
Our Reference		186794-A-15
Your Reference	UNITS	DGBA6
Date Sampled		06/03/2018
Type of sample		Soil
pH of soil for fluid# determ.	pH units	11.2
pH of soil TCLP (after HCl)	pH units	1.6
Extraction fluid used	-	1
pH of final Leachate	pH units	7.8
Date extracted	-	19/03/2018
Date analysed	-	19/03/2018
Naphthalene in TCLP	mg/L	0.004
Acenaphthylene in TCLP	mg/L	<0.001
Acenaphthene in TCLP	mg/L	0.001
Fluorene in TCLP	mg/L	<0.001
Phenanthrene in TCLP	mg/L	0.001
Anthracene in TCLP	mg/L	<0.001
Fluoranthene in TCLP	mg/L	<0.001
Pyrene in TCLP	mg/L	<0.001
Benzo(a)anthracene in TCLP	mg/L	<0.001
Chrysene in TCLP	mg/L	<0.001
Benzo(bjk)fluoranthene in TCLP	mg/L	<0.002
Benzo(a)pyrene in TCLP	mg/L	<0.001
Indeno(1,2,3-c,d)pyrene - TCLP	mg/L	<0.001
Dibenzo(a,h)anthracene in TCLP	mg/L	<0.001
Benzo(g,h,i)perylene in TCLP	mg/L	<0.001
Total +ve PAH's	mg/L	0.0060
Surrogate p-Terphenyl-d14	%	90

Method ID	Methodology Summary
EXTRACT.7	Toxicity Characteristic Leaching Procedure (TCLP) using Zero Headspace Extraction (zHE) using AS4439 and USEPA 1311.
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-004	Toxicity Characteristic Leaching Procedure (TCLP) using in house method INORG-004.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS.
Org-012	Leachates are extracted with Dichloromethane and analysed by GC-MS.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.

QUALITY CONTROL: PAHs in TCLP (USEPA 1311)					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	[NT]
Date extracted	-			19/03/2018	[NT]	[NT]	[NT]	[NT]	19/03/2018	[NT]
Date analysed	-			19/03/2018	[NT]	[NT]	[NT]	[NT]	19/03/2018	[NT]
Naphthalene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	86	[NT]
Acenaphthylene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluorene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	76	[NT]
Phenanthrene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	76	[NT]
Anthracene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	76	[NT]
Pyrene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	76	[NT]
Benzo(a)anthracene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	77	[NT]
Benzo(bjk)fluoranthene in TCLP	mg/L	0.002	Org-012	<0.002	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	90	[NT]
Indeno(1,2,3-c,d)pyrene - TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene in TCLP	mg/L	0.001	Org-012	<0.001	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012	116	[NT]	[NT]	[NT]	[NT]	103	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
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Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

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APPENDIX VI – CHAIN OF CUSTODY

Environmental and OHS Laboratory

CLIENT / PROJECT:	Sydney Metro - ~~Barangaroo~~ WATERLOO
CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER	**SYM-06-13848**
SAMPLES DELIVERED BY:	ADE Consulting Group
SAMPLERS:	NB
TURNAROUND:	**24h: X** 48h: ☐ 72h: ☐ 5 WORKING DAYS: ☐
SAMPLING DATE:	22.03.2018
AFTER TEST STORAGE:	ROOM TEMP: ☐ **FRIDGE: X** FREEZER: > 4 WEEKS: ☐ OTHER: ☐
REPORT FORMAT:	DISK: ☐ **E-MAIL: X**
SIGNATURE:	JOB CONTACT E-MAIL: j.panton@adenvirotech.com.au / n.bernardini@adenvirotech.com.au

LABORATORY REFERENCE NO. (Lab use ONLY).	13848 – 1
RECEIVED BY:	Hannah [illegible]
SAMPLES:	CHILLED: ☑ PRESERVED: ☐ N/A
MINIMAL HEADSPACE: ☑	WITHIN HOLDING TIME: ☑
DATE: 22/3/18	TIME: 2:20 pm
SIGNATURE:	

Sample ID (Lab Use)	Sample Name		MATRIX	DELIVERY DATE	DELIVERY TIME	CONTAINER DATA		ANALYSIS REQUIRED										TCLP				NOTES
	Invoice Number	Sample number				TYPE & PRESERVATIVE	NO.	6 Metal Suite	8 Metal Suite	BTEX	PAH	OCP/OPP	PCB	vTRH (C6-C10)	TRH (C10-C40)	pH/EC	pH/pH fox	TCLP Prep ONLY	TCLP PAH B(a)P PQL<0.2 ug/L	TCLP PAH B(a)P PQL<5.0 ug/L	TCLP Metals (SPECIFY METALS WHICH NEED TO BE ANALYSED)	
C1	13848	WAC2-TP1	Soil	22.03.2018	14:00	Glass jar no pres	1		X	X	X	X	X	X	X							
C2	13848	WAC2-TP2	Soil	22.03.2018	14:00	Glass jar no pres	2		X	X	X	X	X	X	X							
C3	13848	WAC2-TP3	Soil	22.03.2018	14:00	Glass jar no pres	3		X	X	X	X	X	X	X							
C4	13848	WAC2-TP4	Soil	22.03.2018	14:00	Glass jar no pres	4		X	X	X	X	X	X	X							
C5	13848	WAC2-TP5	Soil	22.03.2018	14:00	Glass jar no pres	5		X	X	X	X	X	X	X							
C6	13848	WAC2-TP6	Soil	22.03.2018	14:00	Glass jar no pres	6		X	X	X	X	X	X	X							
C7	13848	WAC2-TP7	Soil	22.03.2018	14:00	Glass jar no pres	7		X	X	X	X	X	X	X							
C8	13848	WAC2-TP8	Soil	22.03.2018	14:00	Glass jar no pres	8		X	X	X	X	X	X	X							

Environmental and OHS Laboratory

CLIENT / PROJECT: Sydney Metro - Waterloo

CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER **SYM-06-13848**

SAMPLES DELIVERED BY: ADE Consulting Group

SAMPLERS: NB

TURNAROUND: **24h: X** 48h: ☐ 72h:☐ 5 WORKING DAYS: ☐

SAMPLING DATE: 22.03.2018

AFTER TEST STORAGE: ROOM TEMP: ☐ **FRIDGE: X** FREEZER: > 4 WEEKS: ☐ OTHER: ☐

REPORT FORMAT: DISK: ☐ **E-MAIL: X**

SIGNATURE:

JOB CONTACT E-MAIL: n.bernardini@adenvirotech.com.au; e.moss@adenvirotech.com.au

LABORATORY REFERENCE NO (Lab use ONLY): 13848 -TCLP-1

RECEIVED BY: Kimyarat Porttamdorn

SAMPLES: CHILLED ☑ PRESERVED ☐ N/A

MINIMAL HEADSPACE N/A WITHIN HOLDING TIME ☑

DATE 4/4/18 TIME 5 pm

SIGNATURE:

Sample ID (Lab Use)	Sample Name: Invoice Number	Sample Name: Sample number	MATRIX	DELIVERY DATE	DELIVERY TIME	CONTAINER DATA: TYPE & PRESERVATIVE	CONTAINER DATA: NO.	6 Metal Suite	8 Metal Suite	BTEX	PAH	OCP/OPP	PCB	vTRH (C6-C10)	TRH (C10-C40)	pH/EC	pH/pH fox	TCLP Prep ONLY	TCLP PAH B(a)P PQL<0.2 ug/L	TCLP PAH B(a)P PQL<5.0 ug/L	TCLP Metals (SPECIFY METALS WHICH NEED TO BE ANALYSED)	NOTES
C1	13848	WAC2-TP1	Soil	04.04.2018	16:30	Glass jar no pres	1													X		Data by Friday.
C2	13848	WAC2-TP2	Soil	04.04.2018	16:30	Glass jar no pres	2													X		
C3	13848	WAC2-TP3	Soil	04.04.2018	16:30	Glass jar no pres	3													X		
C5	13848	WAC2-TP5	Soil	04.04.2018	16:30	Glass jar no pres	4													X		
C7	13848	WAC2-TP7	Soil	04.04.2018	16:30	Glass jar no pres	5													X		
C8	13848	WAC2-TP8	Soil	04.04.2018	16:30	Glass jar no pres	6													X		

ABI Laboratory

SAMPLES SUBMITTED BY:	ADE Consulting Group, Unit 6/7 Millennium Court Silverwater, 2128 NSW	LABORATORY REF. NO.:	13848 ASB021
SAMPLERS:	NB	RECEIVED BY:	Alex
REPORT FORMAT:	DISK: ☐ **E-MAIL: X**	TIME:	2:30 22.3.18
JOB CONTACT E-MAIL:	j.panton@adenvirotech.com.au, n.bernardini@adenvirotech.com.au	SIGNATURE:	Alex.
CLIENT:	Sydney Metro		
CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER	**SYM-08-13848**	SIGNATURE:	
JOB LOCATION:	**Waterloo Station, Waterloo NSW**		

SAMPLE DATA			MATRIX										SAMPLES SUBMITTED		DATA NEEDED	
Sample ID (Lab Use)	INVOICE NUMBER	SAMPLE NUMBER	FC	FM	BM	VT	VC	Mastic	Vermiculite	Soil	Soil (500 mL) for NEPM	Other	DATE	TIME	DATE	TIME
13848 Asb 1	13848	WAC2-TP1								x			22.03.2018	14:00	23.03.2018	14:00
2	13848	WAC2-TP2								x			22.03.2018	14:00	23.03.2018	14:00
3	13848	WAC2-TP3								x			22.03.2018	14:00	23.03.2018	14:00
4	13848	WAC2-TP4								x			22.03.2018	14:00	23.03.2018	14:00
5	13848	WAC2-TP5								x			22.03.2018	14:00	23.03.2018	14:00
6	13848	WAC2-TP6								x			22.03.2018	14:00	23.03.2018	14:00
7	13848	WAC2-TP7								x			22.03.2018	14:00	23.03.2018	14:00
8	13848	WAC2-TP8								x			22.03.2018	14:00	23.03.2018	14:00

Douglas Partners
Geotechnics / Environment / Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No:	85608.14	**Suburb:**	Waterloo	**To:**	Envirolab Services
Project Name:	Waterloo	**Quote No.**	17SY319		12 Ashley Street, Chatswood NSW 2067
Project Manager:	Tim Wright	**Sampler:**	M Hyde	**Attn:**	Aileen
Emails:	tim.wright@douglaspartners.com.au; david.walker@douglaspartners.com.au			**Phone:**	02 9910 6200
Date Required:	Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☐			**Email:**	sydney@envirolab.com.au
Prior Storage:	☐ Esky ☐ Fridge ☐ Shelved	Do samples contain 'potential' HBM?	Yes ☐	No ☐	(If YES, then handle, transport and store in accordance with FPM HAZID)

Sample ID	Lab ID	Date Sampled	Sample Type	Container Type	Analytes									Notes/preservation
			S - soil W - water	G - glass P - plastic	Combo 8a	Combo 3a								
WLDGB1-1	1	15.2.16	S	G+D	X									
·2	2	↓	↓	↓		X								
·3	3				X									
WLDGB2·1	4	16.2.18			X									Envirolab Services 12 Ashley St Chatswood NSW 2067 Ph: (02) 9910 6200 Job No: 185902 Date Received: 23/2/18 Time Received: 15:15 Received by: AB Temp: [✓ Cool]/Ambient Cooling: Ice/[✓ Icepack] Security: [✓ Intact]/Broken/None
·2	5					X								
-3	6				X									
~~-4~~					X									
·5	7					X								
·6	8	↓	↓	↓	X									
BD1/20180215	9													
BD1/20180222	10													
TS-TB	11-12													
WLdGB2-4	13	extra - bag only												
PQL (S) mg/kg														**ANZECC PQLs req'd for all water analytes** ☐

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit

Metals to Analyse: 8HM unless specified here:

Lab Report/Reference No:

Total number of samples in container: **Relinquished by:** DW **Transported to laboratory by:** Courier

Send Results to: Douglas Partners Pty Ltd **Address** 96 Hermitage Road, West Ryde **Phone:** 98090666 **Fax:** 98094095

Signed: **Received by:** AB ELS **Date & Time:** 23/2/18 15:15

Douglas Partners
Geotechnics / Environment / Groundwater

CHAIN OF CUSTODY DESPATCH SHEET

Project No: 85608.14
Suburb: Waterloo
To: Envirolab Services
Project Name: Waterloo
Quote No. 17SY319
12 Ashley Street, Chatswood NSW 2067
Project Manager: Tim Wright
Sampler: D. Walker
Attn: Aileen
Emails: tim.wright@douglaspartners.com.au; david.walker@douglaspartners.com.au; nerilee.edwards@douglaspartners.com.au
Phone: 02 9910 6200
Date Required: Same day ☐ 24 hours ☐ 48 hours ☐ 72 hours ☐ Standard ☑
Email: sydney@envirolab.com.au
Prior Storage: ☐ Esky ☑ Fridge ☐ Shelved
Do samples contain 'potential' HBM? Yes ☐ No ☑ (If YES, then handle, transport and store in accordance with FPM HAZID)

Sample ID	Lab ID	Date Sampled	Sample Type	Container Type	Analytes									Notes/preservation
	clP		S - soil W - water	G - glass P - plastic	Enviro Suite	OCP + PCB + OPP	Total phenols	asbestos	Combo 8a					
SSPA-1	1.2	6/3/18	S	G/P	✓	✓	✓	✓						C - composite
SSPA-2	3.4	↓	↓	↓	✓	✓	✓	✓						D - discrete
SSPA-3	5.6				✓	✓	✓	✓						
SSPA-4	7.8				✓	✓	✓	✓						
BDA-20180306	9			G		✓	✓							
DGBA1	10	↓	↓	G/P					✓					
DGBA2	11			↓					✓					
DGBA3	12								✓					
DGBA4	13								✓					
DGBA5	14								✓					
DGBA6	15								✓					
PQL (S) mg/kg														

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200
Job No: 186794
Date Received: 8/3/18
Time Received: 13:50
Received by: MT
Temp: [✓ Cool]/Ambient 15.8
Cooling: Ice/[✓ Icepack]
Security: [✓ Intact]/Broken/None

ANZECC PQLs req'd for all water analytes ☐

PQL = practical quantitation limit. If none given, default to Laboratory Method Detection Limit
Metals to Analyse: 8HM unless specified here:
Lab Report/Reference No:
Total number of samples in container:
Relinquished by:
Transported to laboratory by: Courier
Send Results to: Douglas Partners Pty Ltd
Address: 96 Hermitage Road, West Ryde
Phone: 98090666 **Fax:** 98094095
Signed:
Received by: MT Ell
Date & Time: 8/3/18 13:50

Andrew Fitzsimons

From: David Walker <David.Walker@douglaspartners.com.au>
Sent: Monday, 5 March 2018 8:00 AM
To: Ken Nguyen; Samplereceipt
Cc: Tim Wright
Subject: RE: Results for Registration 185902 85608.14, Waterloo

Ken

ELS: 185902-A
Rec: 5/3/18
TAT: 5 days

Please proceed with TCLP analysis as follows:
-3 WLDGB1-3 PAH and lead
- 4 WLDGB2-1 PAH
- 6 WLDGB2-3 PAH

Standard T/A OK. Quote: **17SY319**

David Walker | Associate / Environmental Engineer
Douglas Partners Pty Ltd | ABN 75 053 980 117 | www.douglaspartners.com.au
96 Hermitage Road West Ryde NSW 2114 | PO Box 472 West Ryde NSW 1685
P: 02 9809 0666 | F: 02 9809 4095 | M: 0407 540 537 | E: David.Walker@douglaspartners.com.au

FINANCIAL REVIEW
CLIENT CHOICE AW
WINNER

From: Ken Nguyen [mailto:KNguyen@envirolab.com.au]
Sent: Friday, 2 March 2018 2:21 PM
To: David Walker; Tim Wright
Subject: Results for Registration 185902 85608.14, Waterloo

Please refer to attached for:
a copy of the Certificate of Analysis
a copy of the COC/paperwork received from you
ESDAT Extracts
an Excel or .csv file containing the results
Please note that a hard copy will not be posted.

We have a new reporting format and would welcome your feedback. Sydney@envirolab.com.au

Enquiries should be made directly to:
customerservice@envirolab.com.au

Regards,

Ken Nguyen | Chemist | Envirolab Services Pty Ltd
(Monday to Friday 1pm to 9pm)

Resource Recovery Exemption under Part 9, Clauses 91 and 92 of the Protection of the Environment Operations (Waste) Regulation 2014

The WestConnex Stage 2 tunnel spoil exemption 2017

Introduction

This exemption, issued by the Environment Protection Authority (EPA) under clauses 91 and 92 of the Protection of the Environment Operations (Waste) Regulation 2014 (Waste Regulation), exempts a consumer of WestConnex Stage 2 tunnel spoil from certain requirements in relation to the application of that waste to land or use as a raw material, provided the consumer complies with the conditions of this exemption.

This exemption should be read in conjunction with 'the WestConnex Stage 2 tunnel spoil order 2017'. This exemption applies to WestConnex Stage 2 tunnel spoil that is, or is intended to be, applied to land as engineering fill, or for use in earthworks, or for use as an alternative raw material in the manufacture of bricks.

1. Waste to which this exemption applies

1.1. This exemption applies to WestConnex Stage 2 tunnel spoil. In this exemption, WestConnex Stage 2 tunnel spoil means up to 6 million tonnes of naturally occurring rock and soil (including but not limited to materials such as sandstone, shale, clay and soil) that:

(a) has been generated from the WestConnex Stage 2 Project extending from the Kind Georges Road interchange on the existing M5 East Motorway at Beverly Hills, to St Peters;
(b) has been virgin excavated by the use of roadheaders;
(c) contains no more than 0.5% w/w shotcrete;
(d) has not been contaminated with manufactured chemicals or process residues (except for shotcrete); and
(e) does not meet the definition of virgin excavated natural material in the POEO Act.

WestConnex Stage 2 tunnel spoil does not include material that has been processed; or that contains asbestos, Acid Sulfate Soils (ASS), Potential Acid Sulfate soils (PASS) or sulfidic ores.

1. Persons to whom this exemption applies

1.1. This exemption applies to any person who applies or intends to apply WestConnex Stage 2 tunnel spoil as set out in 1.1.

2. Duration

2.1. This order commences on 13 March 2017 and is valid until 13 March 2020 or until revoked by the EPA by notice in writing at an earlier date.

3. Premises to which this exemption applies

4.1 This exemption applies to the premises at which the consumer's actual or intended application of WestConnex Stage 2 tunnel spoil is carried out.

4. Exemption

4.1. Subject to the conditions of this exemption, the EPA exempts each consumer from the following provisions of the POEO Act and the Waste Regulation in relation to the consumer's actual or intended application of WestConnex Stage 2 tunnel spoil to land as engineering fill, or use in earthworks, or for use as an alternative input into thermal processes for non-energy recovery purposes in the manufacture of bricks at the premises

- section 48 of the POEO Act in respect of the scheduled activities described in clauses 39, 40 and 42 of Schedule 1 of the POEO Act;
- Part 4 of the Waste Regulation;
- section 88 of the POEO Act; and
- clause 109 and 110 of the Waste Regulation.

4.2. The exemption does not apply in circumstances where WestConnex Stage 2 tunnel spoil is received at the premises for which the consumer holds a licence under the POEO Act that authorises the carrying out of the scheduled activities on the premises under clause 39 'waste disposal (application to land)' or clause 40 'waste disposal (thermal treatment)' of Schedule 1 of the POEO Act.

5. Conditions of exemption

The exemption is subject to the following conditions:

5.1. At the time WestConnex Stage 2 tunnel spoil is received at the premises, it must meet all material requirements for WestConnex Stage 2 tunnel spoil which are required under 'the WestConnex Stage 2 tunnel spoil order 2017'.

5.2. WestConnex Stage 2 tunnel spoil can only be:

5.2.1. applied to land as engineering fill, or use in earthworks, or

5.2.2. used as an alternative input into thermal processes for non-energy recovery purposes in the manufacture of bricks.

5.3. The consumer must keep a written record of the following for a period of six years:

5.3.1. the quantity of WestConnex Stage 2 tunnel spoil received; and

5.3.2. the name and address of the supplier of WestConnex Stage 2 tunnel spoil received.

5.4. The consumer must make any records required to be kept under this exemption available to authorised officers of the EPA on request.

5.5. The consumer must ensure that any application of WestConnex Stage 2 tunnel spoil to land must occur within a reasonable period of time after receipt.

6. Definitions

In this exemption:

application or apply to land means applying to land by:

- spraying, spreading or depositing on the land;
- ploughing, injecting or mixing into the land; or
- filling, raising, reclaiming or contouring the land.

consumer means:

- a person who applies, or intends to apply, WestConnex Stage 2 tunnel spoil to land; and
- a person who uses, or intends to use, WestConnex Stage 2 tunnel spoil in connection with a process involving thermal treatment.

generator means a person who generates WestConnex Stage 2 tunnel spoil for supply to a consumer. The generator in this order is C CPB Contractors, Dragados, Samsung Joint Venture.

metal staples means small pieces of metal that resemble the shape of staples, with each staple having an approximate dimension of 35 mm x 0.5 mm.

shotcrete means cement grout reinforced with metal staples used to line the tunnel of WestConnex Stage 2 Project.

[redacted] **13.03.17**

Manager Waste Strategy and Innovation

Environment Protection Authority

(by delegation)

Notes

The EPA may amend or revoke this exemption at any time. It is the responsibility of the consumer to ensure they comply with all relevant requirements of the most current exemption.

In gazetting or otherwise issuing this exemption, the EPA is not in any way endorsing the use of this substance or guaranteeing that the substance will confer benefit.

The conditions set out in this exemption are designed to minimise the risk of potential harm to the environment, human health or agriculture, although neither this exemption nor the accompanying order guarantee that the environment, human health or agriculture will not be harmed.

The consumer should assess whether or not WestConnex Stage 2 tunnel spoil is fit for the purpose the material is proposed to be used for, and whether this use will cause harm. The consumer may need to seek expert engineering or technical advice.

Regardless of any exemption provided by the EPA, the person who causes or permits the application of the substance to land must ensure that the action is lawful and consistent with any other legislative requirements including, if applicable, any development consent(s) for managing operations on the site(s).

The receipt of WestConnex Stage 2 tunnel spoil remains subject to other relevant environmental regulations in the POEO Act and the Waste Regulation. For example, a person who pollutes land (s. 142A) or water (s. 120), or causes air pollution through the emission of odours (s. 126), or does not meet the special requirements for asbestos waste (Part 7 of the Waste Regulation), regardless of having an exemption, is guilty of an offence and subject to prosecution.

This exemption does not alter the requirements of any other relevant legislation that must be met in utilising this material, including for example, the need to prepare a Safety Data Sheet (SDS).

Failure to comply with the conditions of this exemption constitutes an offence under clause 91 of the Waste Regulation.

Resource Recovery Order under Part 9, Clause 93 of the Protection of the Environment Operations (Waste) Regulation 2014

The WestConnex Stage 2 tunnel spoil order 2017

Introduction

This order, issued by the Environment Protection Authority (EPA) under clause 93 of the Protection of the Environment Operations (Waste) Regulation 2014 (Waste Regulation), imposes the requirements that must be met by suppliers of WestConnex Stage 2 tunnel spoil to which 'the WestConnex Stage 2 tunnel spoil exemption 2017' applies. The requirements in this order apply in relation to the supply of WestConnex Stage 2 tunnel spoil for application to land as engineering fill, or for use in earthworks, or for use as an alternative raw material in the manufacture of bricks.

1. Waste to which this order applies

1.1. This order applies to WestConnex Stage 2 tunnel spoil. In this order, WestConnex Stage 2 tunnel spoil means up to 6 million tonnes of naturally occurring rock and soil (including but not limited to materials such as sandstone, shale, clay and soil) that:

(a) has been generated from the WestConnex Stage 2 Project extending from the Kind Georges Road interchange on the existing M5 East Motorway at Beverly Hills, to St Peters;
(b) has been virgin excavated by the use of roadheaders;
(c) contains no more than 0.5% w/w shotcrete;
(d) has not been contaminated with manufactured chemicals or process residues (except for shotcrete); and
(e) does not meet the definition of virgin excavated natural material in the POEO Act.

WestConnex Stage 2 tunnel spoil does not include material that has been processed; or that contains asbestos, Acid Sulfate Soils (ASS), Potential Acid Sulfate soils (PASS) or sulfidic ores.

2. Persons to whom this order applies

2.1. The requirements in this order apply to any person who supplies WestConnex Stage 2 tunnel spoil that has been generated, or recovered by CPB Contractors, Dragados, Samsung Joint Venture.

2.2. This order does not apply to the supply of WestConnex Stage 2 tunnel spoil to a consumer for land application or at a premises for which the consumer holds a licence under the POEO Act that authorises the carrying out of the scheduled activities on the premises under clause 39 'waste disposal (application to land)' or clause 40 'waste disposal (thermal treatment)' of Schedule 1 of the POEO Act.

3. Duration

3.1. This order commences on 13 March 2017 and is valid until 13 March 2020 or until revoked by the EPA by notice in writing at an earlier date.

4. Generator requirements

The EPA imposes the following requirements on any generator who supplies WestConnex Stage 2 tunnel spoil.

Notification

4.1. On or before each transaction, the generator must provide the following to each person to whom the generator supplies the WestConnex Stage 2 tunnel spoil to:

- a written statement of compliance certifying that all the requirements set out in this order have been met;
- a copy of the ‘WestConnex Stage 2 tunnel spoil exemption 2017’; and
- a copy of the ‘WestConnex Stage 2 tunnel spoil order 2017’.

Record keeping and reporting

4.2. The generator must keep a written record of the name and address of each person to whom the generator supplied WestConnex Stage 2 tunnel spoil and quantity supplied for a period of six years:

4.3. The generator must provide, on request, the most recent characterisation and sampling results for WestConnex Stage 2 tunnel spoil supplied to any consumer of WestConnex Stage 2 tunnel spoil.

4.4. The generator of WestConnex Stage 2 tunnel spoil must make information available to the EPA upon request.

5. Definitions

In this order:

application or apply to land means applying to land by:

- spraying, spreading or depositing on the land;
- ploughing, injecting or mixing into the land; or
- filling, raising, reclaiming or contouring the land.

consumer means:

- a person who applies, or intends to apply, WestConnex Stage 2 tunnel spoil to land; and
- a person who uses, or intends to use, WestConnex Stage 2 tunnel spoil in connection with a process involving thermal treatment.

generator means a person who generates WestConnex Stage 2 tunnel spoil for supply to a consumer. The generator in this order is CPB Contractors, Dragados, Samsung Joint Venture.

metal staples means small pieces of metal that resemble the shape of staples, with each staple having an approximate dimension of 35 mm x 0.5 mm.

shotcrete means cement grout reinforced with metal staples used to line the tunnel of WestConnex Stage 2 Project.

13.03.17

Manager Waste Strategy and Innovation

Environment Protection Authority

(by delegation)

Notes

The EPA may amend or revoke this order at any time. It is the responsibility of the generator to ensure it complies with all relevant requirements of the most current order.

In gazetting or otherwise issuing this order, the EPA is not in any way endorsing the supply or use of this substance or guaranteeing that the substance will confer benefit.

The conditions set out in this order are designed to minimise the risk of potential harm to the environment, human health or agriculture, although neither this order nor the accompanying exemption guarantee that the environment, human health or agriculture will not be harmed.

Any person or entity which supplies WestConnex Stage 2 tunnel spoil should assess whether the material is fit for the purpose the material is proposed to be used for, and whether this use may cause harm. The supplier may need to seek expert engineering or technical advice.

Regardless of any exemption or order provided by the EPA, the person who causes or permits the application of the substance to land must ensure that the action is lawful and consistent with any other legislative requirements including, if applicable, any development consent(s) for managing operations on the site(s).

The supply of WestConnex Stage 2 tunnel spoil remains subject to other relevant environmental regulations in the POEO Act and Waste Regulation. For example, a person who pollutes land (s. 142A) or water (s. 120), or causes air pollution through the emission of odours (s. 126), or does not meet the special requirements for asbestos waste (Part 7 of the Waste Regulation), regardless of this order, is guilty of an offence and subject to prosecution.

This order does not alter the requirements of any other relevant legislation that must be met in supplying this material, including for example, the need to prepare a Safety Data Sheet. Failure to comply with the conditions of this order constitutes an offence under clause 93 of the Waste Regulation.

BORAL®

Boral Construction Materials
Materials Technical Services

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TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/18
PROJECT:	Quality Control Testing	REQUEST No:	76981
MATERIAL:	Unbound Base S/P 207 (0 - 4000 tonnes)	DATE SAMPLED:	12.2.18
	as Unbound Base	DATE TESTED:	15.2.18 to 24.2.18

SPECIFICATION: Roads and Traffic Authority NSW QA Specification **3051**. Unbound and Modified Base and Sub-Base Materials for Surfaced Road Pavements (Edition 5, June 1998). Table 3051.2 Unbound and Modified Material (Based on Shear Strength).

Test Method AS1289.3.6.1				**Results**				
Determination of the particle size distribution of a soil (standard method of analysis by sieving).				**Client Sample No.**				
				P255957	P255958	P255959	P255960	P255961
				Laboratory Sample No.				
				201024	201025	201026	201027	201028
	RTA QA Spec. 3051.2	**Nominated Grading**	**Grading Tolerance RTA QA Spec. 3051.2**					
A. S. Sieve	**% Passing**	**% Passing**	**% Variation**	**% Passing**				
26.5mm	**100**	100	**± 10**	100	100	100	100	100
19.0mm	-	98	**± 10**	97	98	98	98	99
13.2mm	-	86	**± 8(2)**	85	87	86	86	85
9.5mm	-	75	-	73	76	75	75	74
6.7mm	**50-80**	64	**± 5(2)**	63	65	65	64	64
4.75mm	-	54	-	54	55	54	54	54
2.36mm	-	41	**± 4(2)**	41	42	41	41	41
425µm	-	19	**± 3(1)**	18	20	20	18	18
75µm	-	4	**± 2(1)**	4	5	5	3	4
13.5µm	-	-	-	-	-	-	-	-
Total defect points (as per Spec. RTA 3051.2 **Max. 5.0 per sample**).				0.0	0.0	0.0	0.0	0.0
Average defect points (as per Spec. RTA 3051.2 **Max. average of 3.0**).				0.0				
Notes :	1. Numerical value in brackets refers to defect weighting values as per RTA Table 3051.2.							
	2. Dry sieving done on materials retained on 2.36mm sieve as per item 5.5.3 of the Standard.							

Artemio Mendoza

Approved Signatory

Date 26.2.18 Serial No. 165089

NATA Accredited Laboratory
Number: 547

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Accredited for compliance with ISO/IEC 17025

Boral Construction Materials
Materials Technical Services

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Baulkham Hills NSW 2153 Australia
PO Box 400, Winston Hills NSW 2153

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TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/18
PROJECT:	Quality Control Testing	REQUEST No:	76981
MATERIAL:	Unbound Base S/P 207 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	12.2.18
		DATE TESTED:	15.2.18 to 24.2.18

Test Methods RMS T108 and T109		**Results**				
Liquid Limit, Plastic Limit and Plasticity Index of road materials. (RMS T108 and T109 now refer to AS1289.3.1.1 Liquid Limit, AS1289.3.2.1 Plastic Limit and AS1289.3.3.1 Plasticity Index)		**Client Sample No.**				
		P255957	P255958	P255959	P255960	P255961
		Laboratory Sample No.				
		201024	201025	201026	201027	201028
	RTA QA Spec. 3051.2					
Liquid Limit (%)	**Max. 27 if non-plastic**		**N/A***		**N/A***	
Plastic Limit (%)	**Max. 20 if plastic**		**N/A****		**N/A****	
Plasticity Index (%)	**Max. 6 for Categories 1, 2a, 2b, 2c and 2d**		**NP**		**NP**	
Sample history		**OD**				
Preparation method		**DS**				
Method used for moisture content determination		**N/App.**				

N/A* - Test is not applicable due to continual slippage in bowl. Liquid Limit could not be obtained. **NP** - Non-plastic.
N/A** - Unable to roll, plastic limit could not be obtained. **N/App.** - Not Applicable.
Sample history:- NS = Natural state, AD = Air dried, **OD** = Oven dried at 50°C, UN = Unknown
Preparation method:- WS = Wet sieved, **DS** = Dry sieved

Test Method RMS T215		**Results**				
Wet / Dry Strength Variation.		**Client Sample No.**				
		P255957	P255958	P255959	P255960	P255961
		Laboratory Sample No.				
		201024	201025	201026	201027	201028
	RTA QA Spec. 3051.2	Samples combined				
Wet / Dry Strength Variation (%)	**Maximum 35**	**21**				
Average Dry Strength (kN)	**-**	**148**				
Average Wet Strength (kN)	**Minimum 70**	**116**				
Size of test fraction (mm)		-19.0 to +9.5				
Significant breakdown (%)		<0.2				
Diameter of cylinder used (mm)		150				

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TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/18
PROJECT:	Quality Control Testing	REQUEST No:	76981
MATERIAL:	Unbound Base S/P 207 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	12.2.18
		DATE TESTED:	15.2.18 to 24.2.18

Test Method RMS T114		**Results**				
Maximum Dry Compressive Strength (MDCS) of Road Construction Materials.		**Client Sample No.**				
		P255957	P255958	P255959	P255960	P255961
		Laboratory Sample No.				
		201024	201025	201026	201027	201028
	RTA QA Spec. 3051.2	Samples combined				
MDCS (MPa)	**Minimum 1.7**	**1.8**				
Optimum Moisture Content at MDCS (%)		12.5				
Straddling achieved ? Yes or No.		Yes				

Test Method RMS T111	**Results**				
Dry Density / Moisture Relationship of Road Construction Materials.	**Client Sample No.**				
	P255957	P255958	P255959	P255960	P255961
	Laboratory Sample No.				
	201024	201025	201026	201027	201028
	Samples combined				
Maximum Dry Density (t/m^3)	**1.778**				
Optimum Moisture Content (%)	**14.7**				
Amount of material retained on 19.0mm sieve (%)	2				

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TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/18
PROJECT:	Quality Control Testing	REQUEST No:	76981
MATERIAL:	Unbound Base S/P 207 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	12.2.18
		DATE TESTED:	15.2.18 to 24.2.18

Test Method RMS T171 - Texas TXL	**Results**				
Modified Texas Triaxial Compression Test for Pavement Materials.	**Client Sample No.**				
	P255957	P255958	P255959	P255960	P255961
	Laboratory Sample No.				
	201024	201025	201026	201027	201028
	Samples combined				
Modified Texas Triaxial Classification No.	**2.3**				
Angle of shear resistance (deg.)	47.3				
Apparent cohesion (KPa)	85.0				
Average compressive modulus (MPa)	47.4				
Average Relative Density (% MDD)	100.5				
Average Relative Moisture content % OMC (at moulding)	84.5				
Target density (t/m^3)	1.778				
Target Moisture content (%)	12.5				
Amount of material retained on 37.5mm sieve (%)	0				
Normal Stress (kPa)	10	30	60	90	
Compressive Modulus (MPa)	29.2	34.2	54.3	72.0	
Dry Density of Specimen (t/m^3)	1.784	1.793	1.787	1.794	
Relative Dry Density of specimen (%MDD)	100.4	100.9	100.5	100.9	
Moisture content after testing (%)	12.5	12.5	12.3	12.4	

Table 3051.2 - Unbound and Modified Materials (based on shear strength) specification requirements.
(For interpretation of results refer to RTA 3051).

Modified Texas Triaxial Classification No.	**2.3**
For Category 1 materials	Maximum 2.0
For Category 2a materials	Maximum 2.2
For Category 2b materials	Maximum 2.5
For Category 2c and 2d materials	Maximum 3.0

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TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/18
PROJECT:	Quality Control Testing	REQUEST No:	76981
MATERIAL:	Unbound Base S/P 207 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	12.2.18
		DATE TESTED:	15.2.18 to 24.2.18

Test Method AS1289.3.6.1	**Results**				
Determination of the particle size distribution of a soil (standard method of analysis by sieving).	**Client Sample No.**				
	P255957	P255958	P255959	P255960	P255961
	Laboratory Sample No.				
	201024	201025	201026	201027	201028

	RTA QA Spec. 3051.2	**Nominated Grading** (refer to page 1)	**Grading Tolerance RTA QA Spec. 3051.2**	Samples combined AS1289.3.6.1 Particle size distribution of material after RMS T171 (Texas Triaxial Test), as per notes in Table 3051.2 (viii).
A. S. Sieve	**% Passing**	**% Passing**	**% Variation**	**% Passing**
26.5mm	**100**	100	**± 10**	100
19.0mm	-	98	**± 10**	99
13.2mm	-	86	**± 8 (2)**	87
9.5mm	-	-	-	75
6.7mm	**50-80**	64	**± 5 (2)**	64
4.75mm	-	-	-	55
2.36mm	-	41	**± 4 (2)**	42
1.18mm	-	-	-	33
600µm	-	-	-	25
425µm	-	19	**± 3 (1)**	20
300µm	-	-	-	14
150µm	-	-	-	7
75µm	-	4	**± 2 (1)**	5
Total defect points (as per Spec. RTA 3051-13.2. **Max. 5.0 per sample**).				0.0
Notes :	1. Numerical value in brackets refers to defect weighting values as per RTA Table 3051.2. 2. Dry sieving done on materials retained on 2.36mm sieve as per item 5.5.3 of the Standard.			

TEST REPORT

CLIENT:	BORAL RECYCLING PTY LTD (St. Peters)	FILE No:	34/18
PROJECT:	Quality Control Testing	REQUEST No:	76981
MATERIAL:	Unbound Base S/P 207 (0 - 4000 tonnes) as Unbound Base	DATE SAMPLED:	12.2.18
		DATE TESTED:	15.2.18 to 24.2.18

Test Method RMS T276		**Results**	
Foreign materials content in recycled crushed concrete (material retained on 4.75mm sieve).		**Client Sample No.** P255959 **Laboratory Sample No.** 201026	
	RTA QA Spec. 3051.3 Maximum Content (%)	**Content (%)**	
Type I Foreign Material			
Traffic categories 1, 2a, 2b	**3.0**	**0.0**	
Traffic categories 2c, 2d	**5.0**		
Type II Foreign Material			
Traffic categories 1, 2a, 2b	**0.2**	**0.0**	
Traffic categories 2c, 2d	**0.5**		
Type III Foreign Material			
Traffic categories 1, 2a, 2b	**0.1**	**0.0**	Paper = 0.003
Traffic categories 2c, 2d	**0.2**		Wood = 0.008

Type I Foreign Material - Metal, glass, asphalt, stone, ceramics and slag (other than blast furnace slag).
Type II Foreign Material - Plaster, clay lumps, and other friable material.
Type III Foreign Material - Rubber, plastic, bitumen, paper, cloth, paint, wood and other vegetable matter.

Note: Samples provided by client.

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Ref: 2018 201024-201028 Unbound Base SP 207 (0-4kt) RMS T116 T111 UCS rev 1 7d acc
Page 1 of 1
Report Template Rev 2 Dec 2012 Authorised by A. Mendoza

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TEST REPORT

CLIENT: BORAL RECYCLING PTY LTD (St. Peters)
PROJECT: Quality Control Testing
MATERIAL: Unbound Base S/P 207 (0 - 4,000 tonnes)

FILE No: 34/17
REQUEST No: 76981
DATE SAMPLED: 12.2.18
DATE COMPACTED: 16.2.18
DATE TESTED: 23.2.18

Test Method RMS T116	**Results**
Determination of Unconfined Compressive Strength (UCS) of Remoulded Road Construction Materials.	**Client Sample No.** P255957 . . . P255961 **Laboratory Sample No.** 201024 . . . 201028
	Samples combined
Material description	Unbound Base S/P 207
Material retained on 19.0mm sieve (%)	2
Test Method RMS T111	**Dry Density / Moisture Relationship of Road Construction Materials.**
Maximum Dry Density (t/m^3)	1.818
Optimum Moisture Content (%)	14.5
Method used to determine moisture content	RMS T120
Compactive effort	Standard
Test Method RMS T116	**Unconfined Compressive Strength (UCS)**
Curing conditions of UCS specimens	Specimens wrapped in protective cover & cured at 65°C ± 5°C
Time between mixing binder & completion of moulding	Self cementing
Compactive effort	Standard
Curing period	7 days ± 6 hours accelerated
Dry density at compaction (t/m^3)	1.77 , 1.78
Moisture content at compaction (%)	15.0 , 15.0
Method used to determine moisture content	RMS T120
Condition of specimen after curing	Moist
UCS (MPa)	0.40 , 0.40
Average UCS (MPa)	**0.4**

Note: Samples provided by client.

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TECHNICAL COMPETENCE

Approved Signatory

Date 26.2.18 Serial No. 165090

Accredited for compliance with ISO/IEC 17025

Artemio Mendoza

NATA Accredited Laboratory

Number: 547

Waste Analysis & Classification Report

Bexley North Construction Compound, Bexley Road, Earlwood NSW

Prepared for: CPB Contractors Dragados Samsung Joint Venture

WCX-02-11428/WAC11
v2. final
12th September 2017

ADE CONSULTING GROUP
SOLUTIONS THROUGH INNOVATION

WASTE ANALYSIS AND CLASSIFICATION REPORT
WCX-02-11428 / WAC11 / v2 final

1. INTRODUCTION

1.1. Background

ADE Consulting Group Pty Ltd was commissioned by Contractors Dragados Samsung Joint Venture (CDSJV) to undertake a Waste Analysis and Classification Assessment of the tunnelling spoils at the Bexley North Construction Compound, Bexley Road, Earlwood New South Wales (NSW) (*refer to Appendix I – Aerial Photograph*).

1.2. Site Information

Table 1 - Summary of site information and project information.

Site Project Details	
Client:	CDSJV
ADE Project No:	WCX-02-11428 / WAC11 / v2 final
Site Address:	Bexley North Construction Compound, Bexley Road, Earlwood NSW
Subject Area:	CDSJV worksite, tunnelling area, chainage extending from 17 – 20, approximately 15 m below ground level (BGL) (*refer to Appendix I – Aerial Photograph*)
Date of Field Work:	17.02.2017 & 06.09.2017
Date of Report:	12.09.2017
Waste Matrix:	In situ virgin rock materials generally consisting of grey to light grey sandstone and associated sands. Foreign materials, paint chips, sulfidic ores, hydrocarbon odours / staining and asbestos containing materials (ACM) were not observed in any of the materials inspected *(refer to Appendix II - Photographs).*

2. OBJECTIVES

The objective of the works issued to ADE by the client was to classify the stockpiled virgin rock materials located south of the shaft area at the time of inspection in accordance with the NSW Environment Protection Authority (EPA) *Waste Classification Guidelines. Part 1: Classifying Waste* (2014) for off-site disposal.

The investigation has also been undertaken to meet the sampling and chemical analytical requirements for the following fill management protocol (FMP):

- Douglas Partners Fill Management Protocol (FMP) Proposed Residential Subdivision Catherine Park, dated June 2015 (Douglas Partners 2015).

The Protection of the Environment Operations Act 1997 (POEO Act) defines Virgin Excavated Natural Material (VENM) as:

‘Natural material (such as clay, gravel, sand, soil or rock fines):

- Excavated or quarried from areas that are not contaminated with manufactured chemicals, or with process residues, as a result of industrial, commercial, mining or agricultural activities;
- Does not contain any sulfidic ores or soils or any other waste; and
- Includes excavated natural material that meets such criteria for virgin excavated natural material as may be approved for the time being pursuant to an EPA Gazettal notice.’

Virgin excavated natural material (VENM) is a waste that has been pre-classified as general solid waste (non-putrescible).

3. SCOPE OF WORK

The scope of work required to achieve the objectives of the investigation involved the following:

- Completion of a Safety, Health & Environment Work Method Statement prior to undertaking works;
- Inspection of the subject area;
- Collection of discrete rock samples for chemical characterisation of the rock materials;
- Collection of discrete rock samples for analysis of ACM as required;
- Cold storage of all samples collected;
- Submission of collected samples under Chain of Custody (CoC) conditions to a National Association of Testing Authorities (NATA) accredited laboratory for analysis;
- Laboratory analysis of samples for Heavy Metals – Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Mercury, Nickel and Zinc (M9), Total Recoverable Hydrocarbons (TRHs), Benzene, Toluene, Ethylbenzene, and Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs), Organophosphorus Pesticides (OPPs), Organochlorine Pesticides (OCPs), Polychlorinated Biphenyls (PCBs), Electrical Conductivity (EC), Potential Hydrogen (pH), Total Phenols, Sulfates, Chlorides and Asbestos;
- Evaluation of results in accordance with assessment criteria outlined in the NSW EPA *Waste Classification Guidelines. Part 1: Classifying Waste* (2014); and
- Preparation of a report outlining the investigation methodology, review of previous reports, interpretation of the site data (results), classification and conclusions.

4. PRELIMINARY DESKTOP STUDY

4.1. Proposed Excavation Works and Anecdotal Information

ADE was advised by the client that the sandstone materials from the tunnel excavation would be removed off site as part of ongoing works for the WestConnex new M5 Tunnelling project. At the time of sampling tunnelling operations had proceeded to approximately 15 m BGL.

4.2 Acid Sulfate Soils

A review of The Department of Land and Water Conservation – Acid Sulfate Soil Risk Map, Edition 2 was undertaken to determine the potential for Acid Sulfate Soil (ASS) at the site. The source site was identified as a ‘No Known Occurrence’ area in regards to ASS risk (refer to Appendix III – Supporting Documents). No observations (staining, odour) indicative of acid sulfate soils were noted during the field works.

4.3 NSW EPA Contaminated Land Register

A review of the NSW Office of Environment and Heritage (OEH) 'Contaminated Land – Record of Notices' listed by the NSW EPA under the Contaminated Land Management Act 1997 does not identify notices related to the source site (*refer to Appendix III – Supporting Documents*). A review of the 'List of NSW Contaminated Site Notified to the EPA' indicates that no notified sites occur within a 500m radius of the subject site.

5. SAMPLING PLAN, METHODOLOGY, FIELD INVESTIGATIONS AND INVESTIGATION PATTERN

5.1. Scope of Analysis

Based on the former site use and the requirements of the specified FMP, anecdotal evidence, review of ASRIS Acid Sulfate Risk Maps and the NSW Contaminated Land Register, the following suite of analytes has been included within the scope of analysis:

- Heavy Metals (M8);
- TRHs;
- PAHs;
- BTEX;
- PCBs;
- OCPs;
- OPPs;
- EC;
- pH;
- Total Phenols;
- Sulfates;
- Chlorides; and
- Asbestos.

5.2. Sampling Plan

A sampling regime was developed by ADE in order to assess the materials which involved collection of ten (10) samples. Due to safety restrictions material was brought from the tunnel face and stockpiled south of the shaft at ground level.

A PID with a 10.6 eV lamp, pre-calibrated with isobutylene gas at 100 ppm was used to screen the headspace gases of the collected sample to assess for the presence of VOCs (*refer to Appendix III – Supporting Documents for a copy of the calibration certificate*).

Sampled material was collected from within the tunnelling shaft at approximately 15 m below ground level. Care was taken to remove the material from the shaft without cross contamination. The material was inspected and sampled directly from a stockpile located south of the shaft.

5.3. Equipment Decontamination

All sampling equipment comprised of dedicated disposable materials (e.g. nitrile gloves) which were changed between each sample. As such, additional decontamination procedures were not deemed necessary. All disposable sampling equipment and rubbish was collected and removed prior to leaving site.

5.4. Documentation

A field observation log was kept by sampling personnel. Details recorded in the log included:

- Location and sample number;
- Sampling method;
- Sample identification;
- Sample description; and
- Sample point measurements.

A comprehensive master sample register was maintained. As samples were received, they were given a unique sequential number from the sample register into which details from the labels were entered. Before packing and dispatch of samples for analysis, a CoC form was completed (*refer to Appendix V – Chain of Custody*). This form recorded details of the individual samples being dispatched and the type of analysis required for each sample.

5.5. Sampling and Laboratory Submission

Field activities were conducted by an experienced environmental scientist. The samples were placed in sterile glass jars with Teflon lined lids. The samples were transferred to a cooler box which contained ice packs (or equivalent) present in order to maintain the samples at a temperature below approximately 4^0C.

The following outlines the NATA accredited laboratories used for analytical testing:

- Samples collected by ADE on the 17.02.2017 for analysis of M8, PAHs, TRHs, OCPs, OPPs, PCBs, BTEX, EC, pH and Asbestos were submitted to Environmental and OH&S Laboratory; and
- Samples collected by ADE on 06.09.2017 for analysis of EC and pH were submitted to Environmental and OH&S Laboratory
- Samples collected by ADE on 06.09.2017 for analysis of Total Phenols, Sulfates and Chlorides were submitted to ALS Global Laboratory

Copies of the completed CoC forms were retained on the Central Filing System and the original was sent to the analytical laboratory together with the samples.

Table 2 - Summary of virgin rock samples collected.

Sample point No.	Sample I.D	Material Description	Sample Location *(refer to Appendix I – Aerial Photograph)*
1	WAC11-TP1	Grey to light grey sandstone and associated sands	*Refer to Appendix I – Aerial Photograph and Appendix II - Photographs*
2	WAC11-TP2		
3	WAC11-TP3		
4	WAC11-TP4		
5	WAC11-TP5		
6	WAC11-TP6		
7	WAC11-TP7		
8	WAC11-TP8		
9	WAC11-TP9		
10	WAC11-TP10		
11	WAC11-TP11		
12	WAC11-TP12		
13	WAC11-TP13		
14	WAC11-TP14		
15	WAC11-TP15		

5.6. Additional Notes and Limitations

Please note that this investigation is limited to the materials described above and is a representation of the in situ virgin rock material present at the time of inspection. Due to the continuous nature of the tunnelling process, check sampling should be undertaken should the results of this investigation no longer accurately represent the material or strata.

It is the responsibility of the generator to ensure the material being excavated and transported off-site for disposal is from within the Bexley North Tunnelling Site and must be consistent with the waste description provided.

6. SUMMARY OF RESULTS

6.1. Summary of Field Observations

In situ virgin rock materials generally consisted of grey to light grey sandstone and associated sands. Foreign materials, paint chips, sulfidic ores, hydrocarbon odours / staining and ACM were not observed in any of the materials inspected.

The material inspected is consistent with the description of underlying Hawkesbury sandstone of the local geology in the surrounding area, as indicated on the NSW Office of Environment and Heritage e-Spade GIS tool.

Following visual inspection of the rock materials and surrounding site, the scope of analysis for rock samples listed in Section 5.1 of this report was considered adequate at the time of inspection.

6.2. VENM Assessment

The details of the analysis results are summarised in the following **Table 3**. Explanatory notes are given at the end of the table (*refer to Appendix IV – Analytical Reports*).

Table 3 - Summary of analytical results – VENM

Analytes	Background Ranges[1]	Maximum Average / Absolute Maximum Concentration[3]	Maximum Total Concentration Detected, mg/kg	Virgin Excavated Natural Material (VENM)
Arsenic	1-50	-	ND	Acceptable
Cadmium	1	-	ND	Acceptable
Chromium	5-1000	-	8	Acceptable
Copper	2-100	-	26	Acceptable
Lead	2-200	-	13	Acceptable
Mercury	0.03	-	ND	Acceptable
Nickel	5-500	-	ND	Acceptable
Zinc	10-300	-	21	Acceptable
TRH Fraction $C_6 – C_{10}$	-	-	ND	Acceptable
TRH Fraction C_{10}- C_{40}	-	-	ND	Acceptable
TRH Fraction C_{10}-C_{16}	-	-	ND	Acceptable
TRH Fraction C_{16}-C_{34}	-	-	ND	Acceptable
TRH Fraction C_{34}-C_{40}	-	-	ND	Acceptable
DDT + DDD + DDE	-	-	ND	Acceptable
Chlordane	-	-	ND	Acceptable
Aldrin + Dieldrin	-	-	ND	Acceptable
Endosulfan	-	-	ND	Acceptable
Total PCBs	-	-	ND	Acceptable
Benzene	-	-	ND	Acceptable
Toluene	-	-	ND	Acceptable
Ethyl-benzene	-	-	ND	Acceptable
Xylenes (total)	-	-	ND	Acceptable
Benzo(a)pyrene	-	-	ND	Acceptable
Naphathalene	-	-	ND	Acceptable
PAH total	-	-	ND	Acceptable
pH	-	NA	Avg: 10.1 Max: 11.2 Min: 8.4	Acceptable
EC	-	NA	Avg: 0.2 Max: 0.4 Min: 0.0	Acceptable
Asbestos	ND	-	ND	Acceptable
Phenols	-	-	ND	Acceptable

Notes to table
ND – Not detected / below Practical Quantitation Limit (PQL)
NA – Not Applicable
[1] Background ranges, taken from the Field Geologist's Manual, compiled by D A Berkman, Third Edition 1989. Publisher – The Australasian Institute of Mining & Metallurgy (DAB 1989).

6.2.1. Asbestos

During the investigation no ACM were observed within the material inspected. Furthermore, no asbestos was detected within soil samples collected from the subject material (*refer to Appendix IV – Analytical Reports – EOHS Report WCX-02-11428 / ASB2*).

6.2.2. Acid Sulfate Soil Assessment

During the investigation no visual (staining) or olfactory (odours) indicators for ASS were observed in any of the rock materials inspected.

6.2.3. Salinity Soil Assessment

Five (5) rock samples from the subject material were analysed for salinity, the results are summarised in **Tables 4 - 6** below.

Table 4 –Salinity Scale.

Salinity	Electrical conductivity (ECe)	Results
Non Saline	<2 dS/m	Maximum ECe Calculated: 5.0 dS/m Average ECe Calculated: 2.2 dS/m Minimum Ece Calculated: 0.2 dS/m
Slightly Saline	2 – 4 dS/m	
Moderately Saline	4 – 8 dS/m	
Very Saline	8 – 16 dS/m	
Highly Saline	>16 dS/m	

Notes to table

Scale of salinity adopted from The Department of Land and Water Conservation 2002 Department 2002Site investigations for Urban Salinity

Table 5 - Summary of results in regards to aggressivity to concrete piles in soil (adapted from AS 2159-2009, Piling - Design and installation).

Exposure Conditions		Exposure Classification	Results		Conclusion
Sulfates (expressed as SO_4) in soil (ppm)	**pH**	**Low Permeability Soils / All Soils Above Groundwater**	**Sulfates** (ppm)	**pH** (Minimum)	
≤ 5000 (0.5%)	> 5.5	Non-aggressive	80	8.4	Non - aggressive
5000 – 10 000	4.5 – 5.5	Mild			
10 000 – 20 000	4 – 4.5	Moderate			
≥ 20 000	< 4	Severe			

Table 6 - Summary of results in regards to aggressivity to steel piles in soil (adapted from AS 2159-2009, Piling - Design and installation).

Exposure Conditions		Exposure Classification	Results		Conclusion
Chlorides (Cl) in soil (ppm)	**pH**	**Low Permeability Soils / All Soils Above Groundwater**	**Chlorides** (ppm)	**pH** (Minimum)	
≤ 5000 (0.5%)	> 5	Non-aggressive	130	8.4	Non - aggressive

6.2.4. Geo-technical Requirements

ADE was not engaged to undertake geotechnical testing of the rock material. It is therefore at the sole discretion of the receiver to accept the material based on the lack of geotechnical parameters.

7. CONCLUSIONS

Based on the data and evidence collected in the course of the investigation, it is the opinion of A.D. Envirotech Australia Pty Ltd that:

- The concentrations of M8, TRHs, BTEX, PAHs, OCPs, OPPs and PCBs in the soil samples collected from the excavated subject material meet the criteria for classification as VENM;
- No asbestos was observed within the subject material or detected within rock samples collected;
- Phenols were not detected above the limit of reporting within any of the samples collected;
- The rock materials were found to be moderately saline and non-aggressive to concrete and steel. ADE notes that of the fifteen (15) samples analysed for salinity, only one (1) returned a salinity rating of moderately saline. The remaining fourteen (14) samples ranged between non-saline to slightly saline. Given that over 93% of the samples returned a salinity rating between non-saline and slightly saline ADE considers the rock materials to meet the requirements of the Douglas Partner (2015) FMP;
- The material inspected at the time of this investigation was collected from the in situ bedrock within the tunnelling shaft and was observed to be free of any anthropogenic contamination. ADE does not take liability for any cross contamination resulting from the handling of material from the generator; and
- The material being excavated and transported off-site for disposal must be from within the subject stockpiles shown on the attached figure, and must be consistent with the waste description provided. If there are any unexpected finds that are not consistent with this classification, please contact ADE immediately on (02) 8541 7214.

8. WASTE CLASSIFICATION

Waste Description:	In situ virgin rock materials generally consisting of grey to light grey sandstone and crushed sandstone mixture. Foreign materials, paint chips, sulfidic ores, hydrocarbon odours / staining and ACM were not observed in any of the materials inspected
Waste Classification:	**Virgin Excavated Natural Material (VENM)**

9. REFERENCES

- *Assessment of Site Contamination, National Environment Protection (Assessment of Site Contamination) Measure, 1999 (2013 Amendment).*

- Australian Standard AS 4482.1 Guide to the sampling and investigation of potentially contaminated soil. Part 1: Non-volatile and semi-volatile compound, 2005.

- Australian Standard AS 4482.2 Guide to the sampling and investigation of potentially contaminated soil. Part 2: Volatile substances, 2005.

- *Chapman, G.A and Murphy, C.L. (1989), Soil Landscapes of the Sydney 1:100 000 sheet. Soil Conservation Service of N.S.W., Sydney.*

- *Guidelines for the NSW Site Auditor Scheme, NSW DEC (NSW DECC), Second Edition, April 2006.*

- *The Field Geologist's Manual, compiled by D A Berkman, Third Edition 1989. Publisher – The Australian Institute of Mining and Metallurgy.*

- *Waste Classification Guidelines - Part 1: Classifying Waste, NSW EPA, November 2014*

10. LIMITATIONS

This report has been prepared for the exclusive use of the client. ADE has used a degree of care and skill ordinarily exercised in similar investigations by reputable members of the environmental industry in Australia. No other warranty, expressed or implied, is made or intended. No one section or part of a section, of this report should be taken as giving an overall idea of this report. Each section must be read in conjunction with the whole of this report, including its appendixes and attachments.

Any other party should satisfy themselves that the scope of work conducted and report herein meets their specific needs. ADE cannot be held liable for third party reliance on this document, as ADE is not aware of the specific needs of the third party.

The subsurface environment can present substantial uncertainty due to it complex heterogeneity. The conclusions presented in this report are based on limited investigation of conditions at specific sampling locations chosen to be as representative as possible under the given circumstances. However, it is possible that this investigation may not have encountered all areas of contamination at the site due to the limited sampling and testing program undertaken.

The material subject to classification pertains only to the site and subject area outlined within the report and must be consistent with the waste description reported. If there are any unexpected finds that are not consistent with this classification, ADE must be notified immediately.

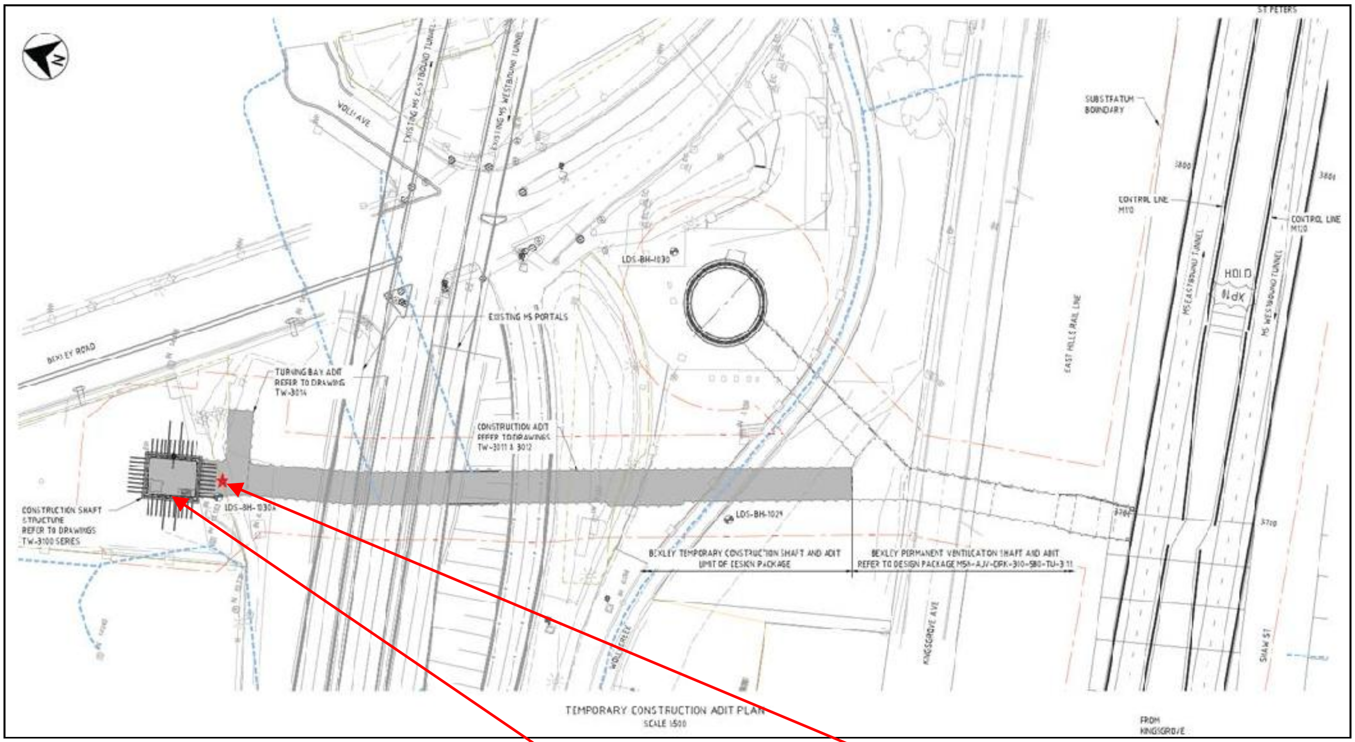
ADE's professional opinions are based upon its professional judgement, experience, training and results from analytical data. In some cases further testing and analysis may be required, thus producing different results and/or opinions. ADE has limited its investigation to the scope agreed upon with its client.

Reviewed by
Kyle McClintock
B.Sc. Hons. (Env. Sci.)
Project Manager

Written by
Luke Jones
M. Sci (Applied Marine Science)
Environmental Consultant

APPENDIX I – AERIAL PHOTOGRAPH

Aerial Photograph 1 - Location of Bexley North Construction Compound in Earlwood NSW (as adapted from http://maps.au.nearmap.com; accessed 20.02.2017).



Aerial Photograph 2 - Location of the subject area including sample location collected on 17.02.2017 (map provided by the Client 22.02.2017)

APPENDIX II – PHOTOGRAPHS

Photograph 1 – Source of excavated virgin rock materials within shaft, as observed on 17.02.2017.

Photograph 2. Image of stockpiled virgin rock material situated south of shaft, as observed on 17.02.2017.

APPENDIX III – SUPPORTING DOCUMENTS

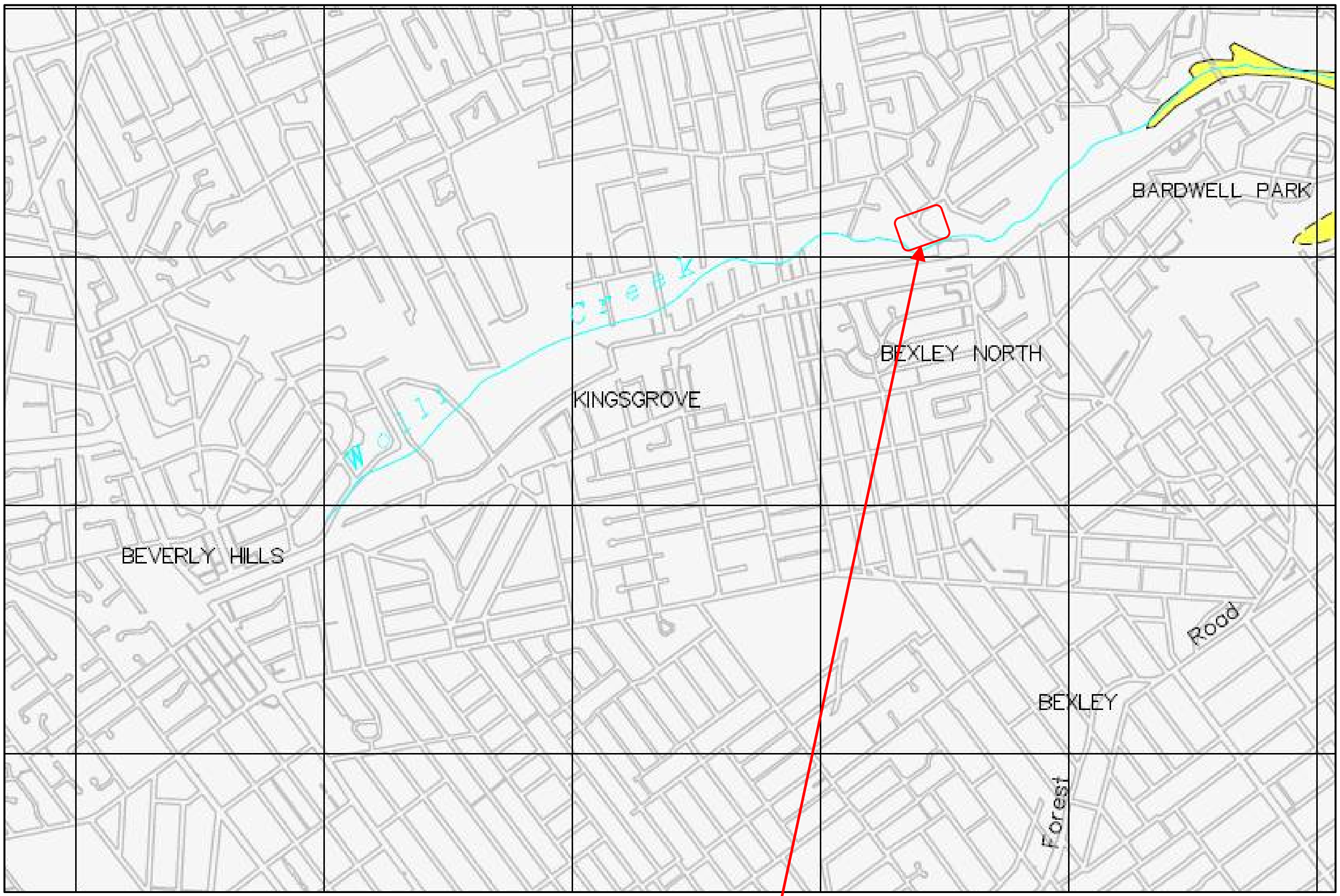
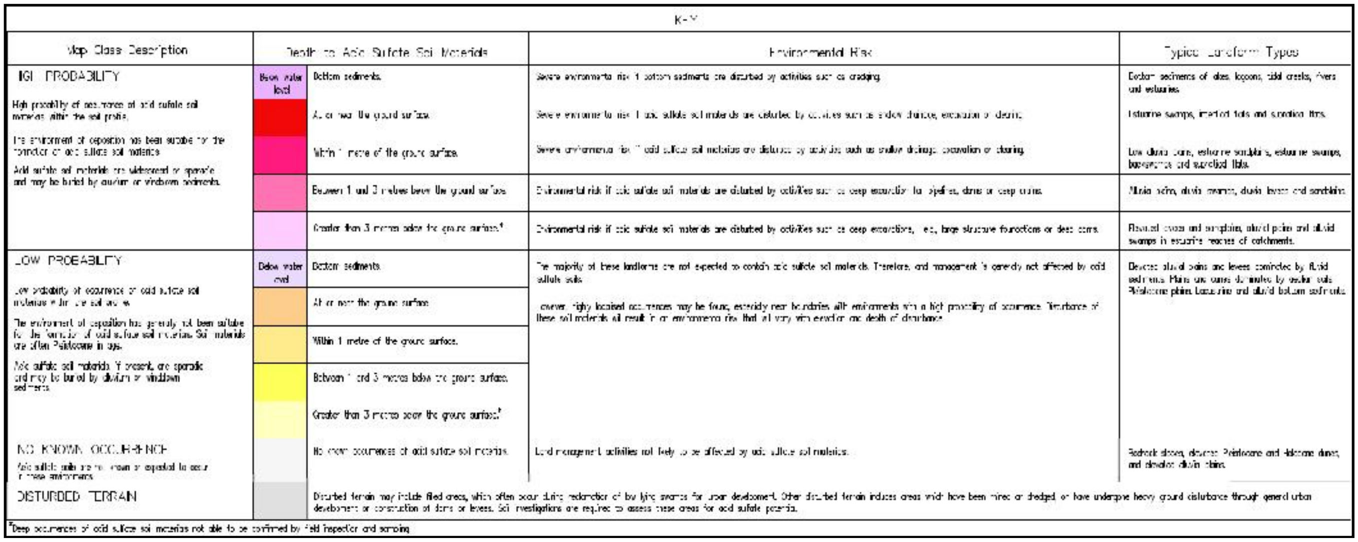


Figure 1 - The Department of Land and Water Conservation – Acid Sulfate Soil Risk Map, Edition 2 indicating the potential for Acid Sulfate Soils (ASS) within the source site. The source site is identified as a 'No Known Occurrence' area with regards to ASS risk (map accessed on 20.02.2017).

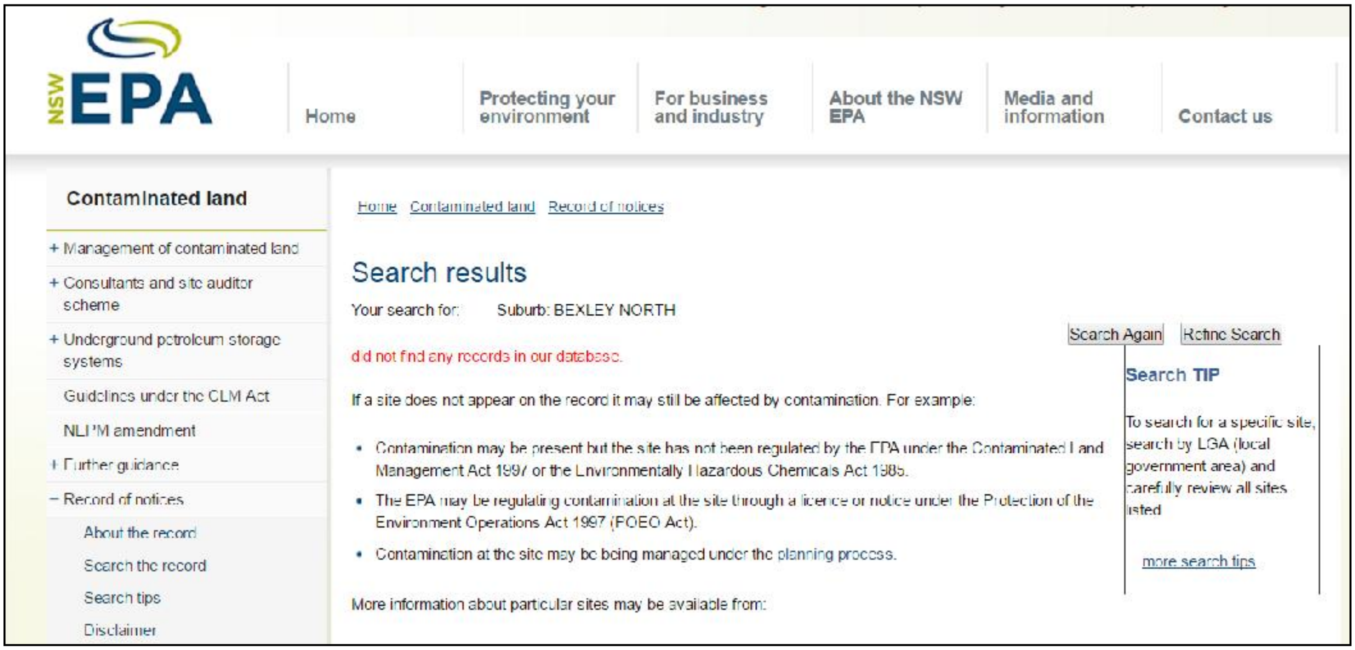


KEY

Map Class Description	Depth to Acid Sulfate Soil Materials		Environmental Risk	Typical Landform Types
HIGH PROBABILITY High probability of occurrence of acid sulfate soil materials within the soil profile. The environment of deposition has been suitable for the formation of acid sulfate soil materials. Acid sulfate soil materials are widespread or sporadic and may be buried by alluvium or windblown sediments.	Below water level	Bottom sediments.	Severe environmental risk if bottom sediments are disturbed by activities such as dredging.	Bottom sediments of bays, lagoons, tidal creeks, rivers and estuaries.
	🟥	At or near the ground surface.	Severe environmental risk if acid sulfate soil materials are disturbed by activities such as shallow drainage, excavation or clearing.	Estuarine swamps, intertidal flats and supratidal flats.
	🟥	Within 1 metre of the ground surface.	Severe environmental risk if acid sulfate soil materials are disturbed by activities such as shallow drainage, excavation or clearing.	Low alluvial plains, estuarine sandplains, estuarine swamps, backswamps and supratidal flats.
	🟥	Between 1 and 3 metres below the ground surface.	Environmental risk if acid sulfate soil materials are disturbed by activities such as deep excavation for pipelines, dams or deep drains.	Alluvial plains, alluvial swamps, alluvial levees and sandplains.
	🟪	Greater than 3 metres below the ground surface.*	Environmental risk if acid sulfate soil materials are disturbed by activities such as deep excavations, e.g., large structure foundations or deep drains.	Elevated levees and sandplains, alluvial plains and alluvial swamps in estuarine reaches of catchments.
LOW PROBABILITY Low probability of occurrence of acid sulfate soil materials within the soil profile. The environment of deposition has generally not been suitable for the formation of acid sulfate soil materials. Soil materials are often Pleistocene in age. Acid sulfate soil materials, if present, are sporadic and may be buried by alluvium or windblown sediments.	Below water level	Bottom sediments.	The majority of these landforms are not expected to contain acid sulfate soil materials. Therefore, land management is generally not affected by acid sulfate soils. However, highly localised occurrences may be found, especially near boundaries with environments with a high probability of occurrence. Disturbance of these soil materials will result in an environmental risk that will vary with elevation and depth of disturbance.	Elevated alluvial plains and levees dominated by fluvial sediments. Plains and dunes dominated by aeolian soils. Pleistocene plains. Lacustrine and alluvial bottom sediments.
	🟧	At or near the ground surface.		
	🟨	Within 1 metre of the ground surface.		
	🟨	Between 1 and 3 metres below the ground surface.		
	🟨	Greater than 3 metres below the ground surface.*		
NO KNOWN OCCURRENCE Acid sulfate soils are not known or expected to occur in these environments.	⬜	No known occurrences of acid sulfate soil materials.	Land management activities not likely to be affected by acid sulfate soil materials.	Bedrock slopes, elevated Pleistocene and Holocene dunes, and elevated alluvial plains.
DISTURBED TERRAIN	⬜	Disturbed terrain may include filled areas, which often occur during reclamation of low lying swamps for urban development. Other disturbed terrain includes areas which have been mined or dredged, or have undergone heavy ground disturbance through general urban development or construction of dams or levees. Soil investigations are required to assess these areas for acid sulfate potential.		

*Deep occurrences of acid sulfate soil materials not able to be confirmed by field inspection and sampling.

Figure 2 - Key to The Department of Land and Water Conservation – Acid Sulfate Soil Risk Map, Edition 2.



Search results

Your search for: Suburb: BEXLEY NORTH

did not find any records in our database.

If a site does not appear on the record it may still be affected by contamination. For example:

- Contamination may be present but the site has not been regulated by the EPA under the Contaminated Land Management Act 1997 or the Environmentally Hazardous Chemicals Act 1985.
- The EPA may be regulating contamination at the site through a licence or notice under the Protection of the Environment Operations Act 1997 (POEO Act).
- Contamination at the site may be being managed under the planning process.

More information about particular sites may be available from:

To search for a specific site, search by LGA (local government area) and carefully review all sites listed

Figure 3 – Screenshot of the NSW Office of Environment and Heritage (OEH) 'Contaminated Land- Record of Notices' listed by the NSW EPA under the Contaminated Land Management Act 1997 which does not identify notices related to the source site (epa.nsw.gov.au; accessed on 16.02.2017).

APPENDIX IV – ANALYTICAL REPORTS

Environmental and OH&S Laboratory

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950

Unit 4/10-11 Millennium Court,
Silverwater 2128
Ph: (02) 9648-6669

Analysis report: WCX-02-11428-12

Customer:	A. D. Envirotech Australia Pty. Ltd.
Attention:	Kyle McClintock

Sample Log In Details

Your reference:	WCX-02-11428-12
No. of Samples:	10
Date Received:	17.02.2017
Date completed instructions received:	17.02.2017
Date of analysis:	17-20.02.2017

Report Details

Report Date:	20.02.2017
Method number:**	ESA-MP-01 ESA-MP-02 ESA-P-ORG03 ESA-P-ORG07 ESA-P-ORG08 ESA-P-ORG09 ESA-P-ORG14 ESA-P-ORG15 ESA-P-12 *ESA-P-16 *pH measurement as per: The excavated natural material order 2014 Schedule B3: GUIDELINE ON Laboratory Analysis of Potentially Contaminated Soils

Results Authorised By:

Wojtalewicz

Dr Dominika Wojtalewicz (MRACI CCHEM)
Laboratory Manager/Chemist

Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

Lab ID	PQL (mg/kg)	11428-C95	11428-C96	11428-C97	11428-C98	11428-C99
Sample Name		11428-WAC11.TP1	11428-WAC11.TP2	11428-WAC11.TP3	11428-WAC11.TP4	11428-WAC11.TP5
PAH						
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[b]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[k]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chrysene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
p-Terphenyl-d14	surr.	95%	89%	90%	92%	90%
OCPs						
aldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
a-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (lindane)	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDD	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDE	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDT	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
dieldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endosulfan I	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan II	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan sulfate	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endrin aldehyde	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin ketone	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor epoxide	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
hexachlorobenzene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methoxychlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TCMX	surr.	93%	85%	89%	94%	91%
OPPs						
chlorpyrifos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
chlorpyrifos methyl	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
diazinon	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
fenchlorphos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methyl parathion	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
prophos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tributylphosphorotrithioite	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB						
Aroclor 1016	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-fluorobiphenyl	surr.	101%	91%	94%	99%	95%

Lab ID	PQL (mg/kg)	11428-C95	11428-C96	11428-C97	11428-C98	11428-C99
Sample Name		11428-WAC11.TP1	11428-WAC11.TP2	11428-WAC11.TP3	11428-WAC11.TP4	11428-WAC11.TP5
TRH						
>C6-C10	35	<35	<35	<35	<35	<35
>C10-C16	50	<50	<50	<50	<50	<50
>C16-C34	100	<100	<100	<100	<100	<100
>C34-C40	100	<100	<100	<100	<100	<100
BTEX						
Benzene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<1	<1	<1	<1	<1
m, p- Xylene(s)	2	<2	<2	<2	<2	<2
o-Xylene	1	<1	<1	<1	<1	<1
Fluorobenzene	surr.	103%	101%	54%	98%	101%
Metals						
Arsenic	5	<5	<5	<5	<5	<5
Cadmium	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium	5	6.5	6.4	5.5	6.2	6.8
Copper	5	<5	<5	<5	<5	<5
Lead	10	<10	<10	<10	<10	<10
Mercury	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	10	<10	<10	<10	<10	<10
Zinc	5	18	16	15	20	17
Moisture	%	8%	6%	9%	3%	12%
pH 1:5 (average for 3 measurements)		9.9	10.8	8.4	9.5	10.9
EC	[dS/m]	0.127	0.233	0.077	0.095	0.270

Lab ID	PQL (mg/kg)	11428-C100	11428-C101	11428-C102	11428-C103	11428-C104
Sample Name		11428-WAC11.TP6	11428-WAC11.TP7	11428-WAC11.TP8	11428-WAC11.TP9	11428-WAC11.TP10
PAH						
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[b]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[k]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chrysene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
p-Terphenyl-d14	surr.	89%	93%	93%	89%	92%
OCPs						
aldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
a-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (lindane)	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDD	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDE	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDT	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
dieldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endosulfan I	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan II	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan sulfate	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endrin aldehyde	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin ketone	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor epoxide	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
hexachlorobenzene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methoxychlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TCMX	surr.	90%	98%	97%	94%	96%
OPPs						
chlorpyrifos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
chlorpyrifos methyl	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
diazinon	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
fenchlorphos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methyl parathion	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
prophos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tributylphosphorotrithioite	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB						
Aroclor 1016	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-fluorobiphenyl	surr.	95%	101%	101%	94%	100%

Lab ID	PQL (mg/kg)	11428-C100	11428-C101	11428-C102	11428-C103	11428-C104
Sample Name		11428-WAC11.TP6	11428-WAC11.TP7	11428-WAC11.TP8	11428-WAC11.TP9	11428-WAC11.TP10
TRH						
>C6-C10	35	<35	<35	<35	<35	<35
>C10-C16	50	<50	<50	<50	<50	<50
>C16-C34	100	<100	<100	<100	<100	<100
>C34-C40	100	<100	<100	<100	<100	<100
BTEX						
Benzene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<1	<1	<1	<1	<1
m, p- Xylene(s)	2	<2	<2	<2	<2	<2
o-Xylene	1	<1	<1	<1	<1	<1
Fluorobenzene	surr.	104%	105%	102%	103%	104%
Metals						
Arsenic	5	<5	<5	<5	<5	<5
Cadmium	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium	5	6.6	7.5	5.3	6.7	7.7
Copper	5	6.6	6.4	<5	<5	26
Lead	10	13	<10	12	<10	<10
Mercury	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	10	<10	<10	<10	<10	<10
Zinc	5	19	18	15	19	21
Moisture	%	9%	6%	5%	10%	9%
pH 1:5 (average for 3 measurements)		10.6	9.9	10.7	10.9	11.2
EC	[dS/m]	0.145	0.114	0.179	0.249	0.364

Lab ID	PQL (mg/kg)	Batch Blank 1	Batch Blank spike 1	Batch Matrix spike 1	Batch Duplicate 1- Value 1	Batch Duplicate 1- Value 2	Batch Duplicate 1
Sample Name							
PAH							
Acenaphthene	0.3	<0.3	93%	98%	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	105%	98%	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	96%	103%	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	93%	98%	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	100%	102%	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	97%	105%	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.		101%	109%	105%	103%	
OCPs							
aldrin	0.1	<0.1	97%	103%	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	78%	79%	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	99%	91%	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
TCMX	surr.		102%	92%	70%	75%	
OPPs							
chlorpyrifos	0.1	<0.1	102%	92%	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	95%	108%	1.2	1.2	ACCEPT
fenchlorphos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
PCB							
Aroclor 1016	0.5	<0.5	86%	117%	<0.5	<0.5	ACCEPT
Aroclor 1221	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1232	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1242	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1248	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1254	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1260	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
2-fluorobiphenyl	surr.		92%	99%	108%	107%	

Lab ID	PQL (mg/kg)	Batch Blank 1	Batch Blank spike 1	Batch Matrix spike 1	Batch Duplicate 1-Value 1	Batch Duplicate 1-Value 2	Batch Duplicate 1
Sample Name							
TRH							
>C6-C10	35	<35	NT	NT	44	50	ACCEPT
>C10-C16	50	<50	105%	90%	1300	1000	ACCEPT
>C16-C34	100	<100	NT	NT	4000	3500	ACCEPT
>C34-C40	100	<100	NT	NT	<100	<100	ACCEPT
BTEX							
Benzene	0.5	<0.5	104%	116%	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	103%	107%	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	104%	106%	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	105%	107%	<2	<2	ACCEPT
o-Xylene	1	<1	104%	108%	<1	<1	ACCEPT
Fluorobenzene	surr.		106%	116%	107%	110%	
Metals							
Arsenic	5	<5	86%	88%	<5	<5	ACCEPT
Cadmium	0.3	<0.3	110%	115%	<0.3	<0.3	ACCEPT
Chromium	5	<5	90%	89%	<5	<5	ACCEPT
Copper	5	<5	97%	103%	<5	<5	ACCEPT
Lead	10	<10	88%	92%	<10	<10	ACCEPT
Mercury	0.2	<0.2	85%	85%	<0.2	<0.2	ACCEPT
Nickel	10	<10	104%	111%	<10	<10	ACCEPT
Zinc	5	<5	108%	118%	100	100	ACCEPT
Moisture	%						
pH 1:5 (average for 3 measurements)							
EC	[dS/m]						

Lab ID	PQL (mg/kg)	Duplicate 2- Value 1	Duplicate 2- Value 2	Duplicate 2
Sample Name				
PAH				
Acenaphthene	0.3	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.	92%	91%	
OCPs				
aldrin	0.1	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	<0.1	ACCEPT
TCMX	surr.	94%	88%	
OPPs				
chlorpyrifos	0.1	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	<0.1	ACCEPT
fenchlorphos	0.1	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	<0.1	ACCEPT
PCB				
Aroclor 1016	0.5	<0.5	<0.5	ACCEPT
Aroclor 1221	0.5	<0.5	<0.5	ACCEPT
Aroclor 1232	0.5	<0.5	<0.5	ACCEPT
Aroclor 1242	0.5	<0.5	<0.5	ACCEPT
Aroclor 1248	0.5	<0.5	<0.5	ACCEPT
Aroclor 1254	0.5	<0.5	<0.5	ACCEPT
Aroclor 1260	0.5	<0.5	<0.5	ACCEPT
2-fluorobiphenyl	surr.	99%	93%	

Lab ID	PQL (mg/kg)	Duplicate 2-Value 1	Duplicate 2-Value 2	Duplicate 2
Sample Name				
TRH				
>C6-C10	35	<35	<35	ACCEPT
>C10-C16	50	<50	<50	ACCEPT
>C16-C34	100	<100	<100	ACCEPT
>C34-C40	100	<100	<100	ACCEPT
BTEX				
Benzene	0.5	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	<2	ACCEPT
o-Xylene	1	<1	<1	ACCEPT
Fluorobenzene	surr.	102%	98%	
Metals				
Arsenic	5	<5	<5	ACCEPT
Cadmium	0.3	<0.3	<0.3	ACCEPT
Chromium	5	6.2	5.2	ACCEPT
Copper	5	<5	<5	ACCEPT
Lead	10	<10	<10	ACCEPT
Mercury	0.2	<0.2	<0.2	ACCEPT
Nickel	10	<10	<10	ACCEPT
Zinc	5	20	12	ACCEPT
Moisture	%			
pH 1:5 (average for 3 measurements)				
EC	[dS/m]			

General Comments and Glossary

Tests not covered by NATA are denoted with *.

Samples are analysed on "as received" basis.

Samples were delivered chilled	**Yes**
Samples were preserved in correct manner	**Yes**
Sample containers for volatile analysis were received with minimal headspace	**Yes**
Samples were analysed within holding time	**Yes**
Some samples have been subcontracted	**No**

1. All samples are tested in batches of 20.
2. All results for soil samples are reported per gram of dry soil, unless otherwise stated.
3. However surrogate standards are added to samples due to PAH and BTEX analysis and recoveries are calculated, samples' results are not corrected for standards recoveries.
4. Analysis of VOC in water samples are performed on unfiltered waters (as received), spiked with surrogate
5. If heterogenous or insufficient material provided LCS is used as matrix spike for QA/QC purposes.
6. Duplicate sample and matrix spike recoveries may not be prepared on smaller jobs, however, were analysed at a frequency
7. QA/QC samples shown within the report that states the word "BATCH"; Batch Blank, Matrix Spike and Duplicate were prepared on samples from outside of reported job.

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surr. (Surrogate Spike): Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

INS: Insufficient sample for this test
>: Greater than
LCS: Laboratory Control Sample
NT: Not tested
<: Less than
RPD: Relative Percent Difference
NA: Test not required
PQL: Practical Quantitation Limit

Laboratory Acceptance Criteria

Matrix Spikes and LCS: Generally 70-130% for inorganics/metals, 60-140% for organics is acceptable.
Matrix heterogeneity may result in matrix spike analyses falling outside these limits.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:
Results <10 times the PQL : No Limit
Results between 10-20 times the PQL : RPD must lie between 0-50%
Results >20 times the PQL : RPD must lie between 0-30%
Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

Accreditation No.14664.
Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.
Tests not covered by NATA are denoted with *.

Methods Number Description:

ESA-MP-01	Determination of metals by MP-AES
ESA-MP-02	Digestion of soil samples for MP-AES analysis
ESA-MP-03	Preparation of water samples for metals determination by MP-AES
ESA-MP-04	TCLP for inorganic contaminants
ESA-MP-05	Digestion of paint and dust samples for lead content determination
ESA-MP-06	Digestion of air filters
ESA-MP-07	Digestion of swabs for determination of lead content in dust
ESA-P-ORG02	Analysis of PAHs by GC-MS
ESA-P-ORG03	Analysis of TRH and TPH by GC-FID
ESA-P-ORG04	Separatory funnel extraction of PAHs from water matrices including TCLP extracts
ESA-P-ORG05	Separatory funnel extraction of TRH and TPH from water matrices
ESA-P-ORG06	Silica gel clean up of soil and water extracts, prior analysis for STPH
ESA-P-ORG07	Extraction of BTEX and VTRX from soil matrices
ESA-P-ORG08	Analysis of soil extracts and waters by P&T GCMS
ESA-P-ORG09	Extraction of TRH from solid matrices
ESA-P-ORG14	Extraction of PCB (Aroclor) OCP OPP and PAH from soil matrices
ESA-P-ORG15	Analysis of PCB OCP OPP and PAH by GCMS
AS 1289.4.3.1	Determination of the pH value of a soil-Electrometric method
AS 1289.3.6.1	Determination of the particle size distribution of a soil - Standard method of analysis by sieving
T276	NSW RMS Test Method T 276 Foreign materials content of recycled crushed concrete

*Texture Assessment based on; Salinity Notes, Number 8, Oct 2000, ISSN 1 325-4448, "How to Texture soils & Test for Salinity"

*ESA-P-16	Procedure for measurement of Electrical Conductivity EC
ESA-P-12	Moisture by classical in-house method; **Procedure for gravimetric moisture determination**

*pH measurement as per: The excavated natural material order 2014 Schedule B3: GUIDELINE ON Laboratory Analysis of Potentially Contaminated Soils

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Environmental and OH&S Laboratory

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950
Unit 4/10-11 Millennium Court,
Silverwater 2128

Analysis report: WCX-02-11428 ASB 12

Date Received: 17.02.17
Date Analysed: 17.02.17
Report Date: 17.02.17
Client: CDSJV
Job Location: Bexley, NSW
Analytical method: Polarised Light Microscopy with dispersion staining (ADE method ABI)

Analysis performed by:

ZhengLiu

Zheng Liu
Approved asbestos identifier

Results Authorised By:

Wojtalewicz

NATA Approved signatory
Dr Dominika Wojtalewicz (MRACI CCHEM)
Laboratory Manager/Principal Chemist

Accreditation No.14664.
Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

Laboratory Sample No.	Sample Description/Matrix	Sample Dimensions (cm) unless stated otherwise	Result	Comments
11428-Asb96	Soil / WAC11.TP1	138 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb97	Soil / WAC11.TP2	106 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb98	Soil / WAC11.TP3	61 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb99	Soil / WAC11.TP4	71 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb100	Soil / WAC11.TP5	88 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb101	Soil / WAC11.TP6	199 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb102	Soil / WAC11.TP7	163 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil

Laboratory Sample No.	Sample Description/Matrix	Sample Dimensions (cm) unless stated otherwise	Result	Comments
11428-Asb103	Soil / WAC11.TP8	133 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb104	Soil / WAC11.TP9	122 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb105	Soil / WAC11.TP10	155 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil

General Comments:

All samples are analysed as received.
Sampling performed by AD Envirotech is not covered by NATA scope.
Samples are stored for period of 3 months.
Due to the difficulty of estimating the load on the swab the test is carried out for presence or absence of asbestos only.
[1] Independent confirming technique such as infrared spectroscopy, X-ray diffraction, scanning or transmission electron microscopy is advised.

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **ES1722517**	Page	: 1 of 2
Client	: **A.D. ENVIROTECH AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: K MCCLINTOCK	Contact	: Customer Services ES
Address	: 6/7 MILLENIUM COURT SILVERWATER NSW 2128	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61-2-8784 8555
Project	: WCX-02-12107	Date Samples Received	: 08-Sep-2017 11:15
Order number	: ----	Date Analysis Commenced	: 08-Sep-2017
C-O-C number	: ----	Issue Date	: 11-Sep-2017 17:56
Sampler	: Nnadozie Egeonu		
Site	: ----		
Quote number	: SY/205/17		
No. of samples received	: 5		
No. of samples analysed	: 5		

ilac-MRA NATA

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Ankit Joshi	Inorganic Chemist	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Raymond Commodore	Instrument Chemist	Sydney Inorganics, Smithfield, NSW

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

Analytical Results

Sub-Matrix: **SOIL**
(Matrix: **SOIL**)

			Client sample ID	**WAC11-TP11**	**WAC11-TP12**	**WAC11-TP13**	**WAC11-TP14**	**WAC11-TP15**
			Client sampling date / time	07-Sep-2017 00:00	07-Sep-2017 00:00	07-Sep-2017 00:00	07-Sep-2017 00:00	07-Sep-2017 00:00
Compound	*CAS Number*	*LOR*	*Unit*	**ES1722517-001**	**ES1722517-002**	**ES1722517-003**	**ES1722517-004**	**ES1722517-005**
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	1.0	%	**9.6**	**9.0**	**8.8**	**8.8**	**9.2**
ED040S : Soluble Sulfate by ICPAES								
Sulfate as SO4 2-	14808-79-8	10	mg/kg	**80**	**60**	**60**	**40**	**40**
ED045G: Chloride by Discrete Analyser								
Chloride	16887-00-6	10	mg/kg	**100**	**100**	**90**	**130**	**130**
EP035G: Total Phenol by Discrete Analyser								
Phenols (Total)	----	1	mg/kg	<1	<1	<1	<1	<1

Sydney Laboratory Services

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950
Unit 4/10-11 Millennium Court,
Silverwater 2128
Ph: (02) 9648-6669

Analysis report: WCX-02-11428-14

Customer:	A. D. Envirotech Australia Pty. Ltd.
Attention:	Kyle McClintock & Luke Jones

Sample Log In Details

Your reference:	WCX-02-11428-14
No. of Samples:	5
Date Received:	11.09.2017
Date completed instructions received:	11.09.2017
Date of analysis:	11.09.2017

Report Details

Report Date:	12.09.2017
Method number:**	*Texture Assessment based on; Salinity Notes, Number 8, Oct 2000, ISSN 1 325-4448, "How to Texture soils & Test for Salinity"

Results Authorised By:

R Nefodov

Ross Nefodov, B.Sc. (Environmental Sc.), M.PE.(Civil Engineering)
Managing Director
NATA approved signatory

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

Lab ID	PQL (mg/kg)	11428-C105	11428-C106	11428-C107	11428-C108	11428-C109
Sample Name		11428-WAC11-TP11	11428-WAC11-TP12	11428-WAC11-TP13	11428-WAC11-TP14	11428-WAC11-TP15
Soil Texture Group		Sandy Loams	Sandy Loams	Sandy Loams	Sandy Loams	Sandy Loams
Approximate Clay		10-25	10-25	10-25	10-25	10-25
EC1:5 to ECe conversion factor		13.8	13.8	13.8	13.8	13.8

Comments:
Sandy Loams - sandy loam, fine sandy loam

General Comments and Glossary

Tests not covered by NATA are denoted with *.

Samples are analysed on "as received" basis.

Samples were delivered chilled	**Yes**
Samples were preserved in correct manner	**Yes**
Sample containers for volatile analysis were received with minimal headspace	**Yes**
Samples were analysed within holding time	**Yes**
Some samples have been subcontracted	**No**

1. All samples are tested in batches of 20.
2. All results for soil samples are reported per gram of dry soil, unless otherwise stated.
3. However surrogate standards are added to samples due to PAH and BTEX analysis and recoveries are calculated, samples' results are not corrected for standards recoveries.
4. Analysis of VOC in water samples are performed on unfiltered waters (as received), spiked with surrogate
5. If heterogenous or insufficient material provided LCS is used as matrix spike for QA/QC purposes.
6. Duplicate sample and matrix spike recoveries may not be prepared on smaller jobs, however, were analysed at a frequency
7. QA/QC samples shown within the report that states the word "BATCH"; Batch Blank, Matrix Spike and Duplicate were prepared on samples from outside of reported job.

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surr. (Surrogate Spike): Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

INS: Insufficient sample for this test
>: Greater than
LCS: Laboratory Control Sample
NT: Not tested
<: Less than
RPD: Relative Percent Difference
NA: Test not required
PQL: Practical Quantitation Limit

Laboratory Acceptance Criteria

Matrix Spikes and LCS: Generally 70-130% for inorganics/metals, 60-140% for organics is acceptable.
Matrix heterogeneity may result in matrix spike analyses falling outside these limits.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:
Results <10 times the PQL : No Limit
Results between 10-20 times the PQL : RPD must lie between 0-50%
Results >20 times the PQL : RPD must lie between 0-30%
Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

**Methods Number Description:

ESA-MP-01	Determination of metals by MP-AES
ESA-MP-02	Digestion of soil samples for MP-AES analysis
ESA-MP-03	Preparation of water samples for metals determination by MP-AES
ESA-MP-04	TCLP for inorganic contaminants
ESA-MP-05	Digestion of paint and dust samples for lead content determination
ESA-MP-06	Digestion of air filters
ESA-MP-07	Digestion of swabs for determination of lead content in dust
ESA-MP-11	Procedure for digesting soil, sediment, clay and sludge in quadruplets and analysis by MP-AES for trace metal determination
ESA-P-ORG02	Analysis of PAHs by GC-MS
ESA-P-ORG03	Analysis of TRH and TPH by GC-FID
ESA-P-ORG04	Separatory funnel extraction of PAHs from water matrices including TCLP extracts
ESA-P-ORG05	Separatory funnel extraction of TRH and TPH from water matrices
ESA-P-ORG06	Silica gel clean up of soil and water extracts, prior analysis for STPH
ESA-P-ORG07	Extraction of BTEX and VTRX from soil matrices
ESA-P-ORG08	Analysis of soil extracts and waters by P&T GCMS
ESA-P-ORG09	Extraction of TRH from solid matrices
ESA-P-ORG13	Extraction of OCP OPP and PAH from soil matrices as quadruplets
ESA-P-ORG14	Extraction of PCB (Aroclor) OCP OPP and PAH from soil matrices
ESA-P-ORG15	Analysis of PCB OCP OPP and PAH by GCMS
AS 1289.4.3.1	Determination of the pH value of a soil-Electrometric method
AS 1289.3.6.1	Determination of the particle size distribution of a soil - Standard method of analysis by sieving
T276	NSW RMS Test Method T 276 Foreign materials content of recycled crushed concrete

*Texture Assessment based on; Salinity Notes, Number 8, Oct 2000, ISSN 1 325-4448, "How to Texture soils & Test for Salinity"

*ESA-P-16	Procedure for measurement of Electrical Conductivity EC
ESA-P-12	Moisture by classical in-house method; **Procedure for gravimetric moisture determination**

*pH FOX Test -Determination of Acid Sulfate Soils Field pH

*pH measurement as per: The excavated natural material order 2014 Schedule B3: GUIDELINE ON Laboratory Analysis of Potentially Contaminated Soils

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Tests not covered by NATA are denoted with *.

This document shall not be reproduced, except in full.

Sydney Laboratory Services

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950
Unit 4/10-11 Millennium Court,
Silverwater 2128
Ph: (02) 9648-6669

Analysis report: WCX-02-11428-13

Customer: A. D. Envirotech Australia Pty. Ltd.
Attention: Kyle McClintock & Luke Jones

Sample Log In Details

Your reference:	WCX-02-11428-13
No. of Samples:	5
Date Received:	07.09.2017
Date completed instructions received:	07.09.2017
Date of analysis:	08.09.2017

Report Details

Report Date:	08.09.2017
Method number:**	AS 1289.4.3.1 *ESA-P-16

Results Authorised By:

R Nefodov

Ross Nefodov, B.Sc. (Environmental Sc.), M.PE.(Civil Engineering)
Managing Director
NATA approved signatory

Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

Lab ID	PQL (mg/kg)	11428-C105	11428-C106	11428-C107	11428-C108	11428-C109
Sample Name		11428-WAC11-TP11	11428-WAC11-TP12	11428-WAC11-TP13	11428-WAC11-TP14	11428-WAC11-TP15
pH (average for 3 measurements)		9.6	10.1	9.7	9.9	9.9
EC	[dS/m]	0.126	0.138	0.017	0.155	0.142

General Comments and Glossary

Tests not covered by NATA are denoted with *.

Samples are analysed on "as received" basis.

Samples were delivered chilled	**Yes**
Samples were preserved in correct manner	**Yes**
Sample containers for volatile analysis were received with minimal headspace	**Yes**
Samples were analysed within holding time	**Yes**
Some samples have been subcontracted	**No**

1. All samples are tested in batches of 20.
2. All results for soil samples are reported per gram of dry soil, unless otherwise stated.
3. However surrogate standards are added to samples due to PAH and BTEX analysis and recoveries are calculated, samples' results are not corrected for standards recoveries.
4. Analysis of VOC in water samples are performed on unfiltered waters (as received), spiked with surrogate
5. If heterogenous or insufficient material provided LCS is used as matrix spike for QA/QC purposes.
6. Duplicate sample and matrix spike recoveries may not be prepared on smaller jobs, however, were analysed at a frequency
7. QA/QC samples shown within the report that states the word "BATCH"; Batch Blank, Matrix Spike and Duplicate were prepared on samples from outside of reported job.

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surr. (Surrogate Spike): Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

INS: Insufficient sample for this test
>: Greater than
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NT: Not tested
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RPD: Relative Percent Difference
NA: Test not required
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Laboratory Acceptance Criteria

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Results >20 times the PQL : RPD must lie between 0-30%
Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

Accreditation No.14664.
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<u>Methods Number Description:</u>**

ESA-MP-01	Determination of metals by MP-AES
ESA-MP-02	Digestion of soil samples for MP-AES analysis
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ESA-MP-04	TCLP for inorganic contaminants
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ESA-MP-06	Digestion of air filters
ESA-MP-07	Digestion of swabs for determination of lead content in dust
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ESA-P-ORG03	Analysis of TRH and TPH by GC-FID
ESA-P-ORG04	Separatory funnel extraction of PAHs from water matrices including TCLP extracts
ESA-P-ORG05	Separatory funnel extraction of TRH and TPH from water matrices
ESA-P-ORG06	Silica gel clean up of soil and water extracts, prior analysis for STPH
ESA-P-ORG07	Extraction of BTEX and VTRX from soil matrices
ESA-P-ORG08	Analysis of soil extracts and waters by P&T GCMS
ESA-P-ORG09	Extraction of TRH from solid matrices
ESA-P-ORG13	Extraction of OCP OPP and PAH from soil matrices as quadruplets
ESA-P-ORG14	Extraction of PCB (Aroclor) OCP OPP and PAH from soil matrices
ESA-P-ORG15	Analysis of PCB OCP OPP and PAH by GCMS
AS 1289.4.3.1	Determination of the pH value of a soil-Electrometric method
AS 1289.3.6.1	Determination of the particle size distribution of a soil - Standard method of analysis by sieving
T276	NSW RMS Test Method T 276 Foreign materials content of recycled crushed concrete
*Texture Assessment based on; Salinity Notes, Number 8, Oct 2000, ISSN 1 325-4448, "How to Texture soils & Test for Salinity"	
*ESA-P-16	Procedure for measurement of Electrical Conductivity EC
ESA-P-12	Moisture by classical in-house method; **Procedure for gravimetric moisture determination**
*pH FOX Test -Determination of Acid Sulfate Soils Field pH	
*pH measurement as per: The excavated natural material order 2014 Schedule B3: GUIDELINE ON Laboratory Analysis of Potentially Contaminated Soils	

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measurements included in this document are traceable
to Australian/national standards.

Tests not covered by NATA are denoted with *.

APPENDIX V – CHAIN OF CUSTODY

ESA-F-02

Chain of Custody (Internal)

Environmental and OHS Laboratory

CLIENT / PROJECT: CDSJV

CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER **WCX-02-11428**

SAMPLES DELIVERED BY: ADE Consulting Group

SAMPLERS: DB

TURNAROUND: 24h: XXX 48h: ☐ 72h: ☐ 5 WORKING DAYS:

SAMPLING DATE: 17/02/2016

AFTER TEST STORAGE: ROOM TEMP: ☐ FRIDGE: X FREEZER: ☐ > 4 WEEKS: ☐ OTHER: ☐

REPORT FORMAT: DISK: ☐ E-MAIL: X

SIGNATURE:

JOB CONTACT E-MAIL: k.mcclintock@adenvirotech.com.au

d.batcho@adenvirotech.com.au

LABORATORY REFERENCE NO. (Lab use ONLY): 11428-12

RECEIVED BY: Worrawat Pattanadorn

SAMPLES: CHILLED: ✓ PRESERVED: ☐ N/A

MINIMAL HEADSPACE : ✓ WITHIN HOLDING TIME: ✓

DATE: 17/02/17 TIME: 10.30Am

SIGNATURE:

Sample ID (Lab Use)	Sample Name: Invoice Number	Sample Name: Sample number	MATRIX	DELIVERY DATE	DELIVERY TIME	CONTAINER DATA: TYPE & PRESERVATIVE	CONTAINER DATA: NO.	6 Metal Suite	8 Metal Suite	BTEX	PAH	OCP/OPP	PCB	vTRH (C6-C10)	TRH (C10-C40)	pH/EC (1:5)	pH/pH fox	TCLP Prep ONLY	TCLP PAH B(a)P PQL<0.2 ug/L	TCLP PAH B(a)P PQL<5.0 ug/L	TCLP Metals (SPECIFY METALS WHICH NEED TO BE ANALYSED)	NOTES
C95	11428	WAC11.TP1	Soil	17/02/2017	10:00	Jar & Bag, no pres	1		X	X	X	X	X	X	X	X						
C96	11428	WAC11.TP2	Soil	17/02/2017	10:00	Jar & Bag, no pres	2		X	X	X	X	X	X	X	X						
C97	11428	WAC11.TP3	Soil	17/02/2017	10:00	Jar & Bag, no pres	3		X	X	X	X	X	X	X	X						
C98 dup	11428	WAC11.TP4	Soil	17/02/2017	10:00	Jar & Bag, no pres	4		X	X	X	X	X	X	X	X						
C99	11428	WAC11.TP5	Soil	17/02/2017	10:00	Jar & Bag, no pres	5		X	X	X	X	X	X	X	X						
C100	11428	WAC11.TP6	Soil	17/02/2017	10:00	Jar & Bag, no pres	6		X	X	X	X	X	X	X	X						
C101	11428	WAC11.TP7	Soil	17/02/2017	10:00	Jar & Bag, no pres	7		X	X	X	X	X	X	X	X						
C102	11428	WAC11.TP8	Soil	17/02/2017	10:00	Jar & Bag, no pres	8		X	X	X	X	X	X	X	X						
C103	11428	WAC11.TP9	Soil	17/02/2017	10:00	Jar & Bag, no pres	9		X	X	X	X	X	X	X	X						
C104	11428	WAC11.TP10	Soil	17/02/2017	10:00	Jar & Bag, no pres	10		X	X	X	X	X	X	X	X						

Date printed: 17/02/2017

ABI Laboratory

SAMPLES SUBMITTED BY:	ADE Consulting Group, Unit 6/7 Millennium Court Silverwater, 2128 NSW
SAMPLERS:	DB
REPORT FORMAT:	DISK: ☐ E-MAIL: X
JOB CONTACT E-MAIL:	k.mcclintock@adenvirotech.com.au d.botha@adenvirotech.com
CLIENT:	CDSJV
CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER	**WCX-02-11428**
JOB LOCATION:	**Bexley, NSW**
SIGNATURE:	
LABORATORY REF. NO.:	11428 ASB 12
RECEIVED BY:	Mirtha Maravi
TIME:	10:30 am 17.02.17
SIGNATURE:	

SAMPLE DATA			MATRIX										SAMPLES SUBMITTED		DATA NEEDED	
Sample ID (Lab Use)	INVOICE NUMBER	SAMPLE NUMBER	FC	FM	BM	VT	VC	Mastic	Vermiculite	Soil	Soil (500 mL) for NEPM	Other	DATE	TIME	DATE	TIME
11428 - Asb 96	11428	WAC11.TP1								X			17/02/2017	10:00	20/02/2017	10:00
97	11428	WAC11.TP2								X			17/02/2017	10:00	20/02/2017	10:00
98	11428	WAC11.TP3								X			17/02/2017	10:00	20/02/2017	10:00
99	11428	WAC11.TP4								X			17/02/2017	10:00	20/02/2017	10:00
100	11428	WAC11.TP5								X			17/02/2017	10:00	20/02/2017	10:00
101	11428	WAC11.TP6								X			17/02/2017	10:00	20/02/2017	10:00
102	11428	WAC11.TP7								X			17/02/2017	10:00	20/02/2017	10:00
103	11428	WAC11.TP8								X			17/02/2017	10:00	20/02/2017	10:00
104	11428	WAC11.TP9								X			17/02/2017	10:00	20/02/2017	10:00
105	11428	WAC11.TP10								X			17/02/2017	10:00	20/02/2017	10:00

ADE Consulting Group Pty Ltd	PM-F-07b1 Chain of Custody and Order (External)	Page: 1 of 2 Date: 19/01/2017

Job Number: WCX-02-12107

From:
Unit 6/7 Millennium Court,
Silverwater NSW 2128
Phone: (02) 8541 7214
Email: info@ADenviro.com.au

To: ALS Global
Sydney
277-289 Woodpark Road
Smithfield NSW 2164
Attention:

ADE CONSULTING GROUP

Sampler: Nnadozie Egeonu — *print name* — *signature* — Date: 06.09.2017

PM: Kyle McClintock — *print name* — *signature* — Date: 06.09.2017

Received for Laboratory: Bijal — *print name* — *signature* — Date: 8/9/17 11:15am

QUOTE NUMBER: SY/205/17

SAMPLE DETAILS

Laboratory Sample ID	ADE Sample ID	Sample Type	Container	Analysis Required[8]										
				W-02W (ICPMS) ASLP Metals	EN60-Dla	Chlorides	Sulfates	Total Phenols						
1	WAC11-TP11	Soil	Glass Jar			X	X	X						
2	WAC11-TP12	Soil	Glass Jar			X	X	X						
3	WAC11-TP13	Soil	Glass Jar			X	X	X						
4	WAC11-TP14	Soil	Glass Jar			X	X	X						
5	WAC11-TP15	Soil	Glass Jar			X	X	X						

Environmental Division
Sydney
Work Order Reference
ES1722517
Telephone : + 61-2-8784 8555

Further instructions:

1. Invoices are required to be sent to accounts@adenvirotech.com.au instead of sending them to your contact person. ADE Consulting Group Pty Ltd will not be processing any invoices going forward unless this address.

2. Please provide PQLs below the health-based investigation levels published in NEPC Guidelines (Table 5A) for soil samples:

Job Number: WCX-02-12107

Analyte	PQLs, mg/kg
Heavy Metals Screen (As, Be, Cd, Cr, Pb, Hg, Mo, Ni, Se, Ag)	5 (except for Cd – 1, Hg – 0.1)
OCPs	1
PAHs individual	0.5 (except for Benzo(a)Pyrene – 0.1)
PCBs	1
Total Phenols	1
CN	1
TPH	250
BTEX	0.2, 1, 1, 3
SPOCAS - POCAS, % Sulfur oxidisable (oven dry basis)	0.3

3. Please send back COC/ORDER and SRA.

4. Please analyse all samples on 24 hours ~~72~~ **Hour turnaround time** and report results to k.mcclintock@adenvirotech.com.au and l.jones@adenvirotech.com.au

5. Please keep soil samples in refrigerated condition for 2 months.

6. Please keep water samples in refrigerated condition for 2 weeks.

7. Please **log via template WOT1700402.**

8/9/17
11:15am

8. Notes for ADE Consultants –
- ***EP075A (SIM) – Phenols – Standard Level (12 analytes)***
- ***EN60-Dla – ASLP Leach (non-volatile)***
- ***W-022 (ICPMS) – 8 metals Leachable (As, Cd, Cr, Cu, Ni, Pb, Zn & Hg)***
- ***EP075B (SIM) – PAH (16 analytes) Standard Level***
- ***EG032 – Leachable Arsenic Speciation as As III & As V***

A. D. Envirotech Australia Pty Ltd

ESA-F-02

Chain of Custody (Internal)

Page: 1 of 1
Date: 15/04/15

Environmental and OHS Laboratory

CLIENT / PROJECT: CDSJV

CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER **WCX-02-11428**

SAMPLES DELIVERED BY: ADE Consulting Group

SAMPLERS:

X TURNAROUND: 24h: X 48h: ☐ 72h: NA/NE 5 WORKING DAYS:

SAMPLING DATE: 04.09.2017

AFTER TEST STORAGE: ROOM TEMP: X FRIDGE: ☐ FREEZER: ☐ > 4 WEEKS: ☐ OTHER: ☐

REPORT FORMAT: DISK: ☐ E-MAIL: X

SIGNATURE:

k.mcclintock@adenvirotech.com.au,
l.jones@adenvirotech.com.au

ABORATORY REFERENCE NO. (Lab use ONLY 11428

RECEIVED Hamish Lenton

SAMPLES CHILLED: ☑ PRESERVED: ☐ N/A

MINIMAL HEADSPACE N/A WITHIN HOLDING TIME: ☑

DATE: 07/09/17 TIME: 1550

SIGNATURE:

Sample ID (Lab Use)	Sample Name: Invoice Number	Sample Name: Sample number	MATRIX	DELIVERY DATE	DELIVERY TIME	CONTAINER DATA: TYPE & PRESERVATIVE	CONTAINER DATA: NO.	ASLP (DI Water)	ASLP PAH (PQL 0.02)	PAH	OCP/OPP	PCB	vTRH (C6-C10)	TRH (C10-C40)	pH/EC (1:2.5	pH/pH fox	TCLP Prep ONLY	TCLP PAH B(a)P PQL<0.2 ug/L	TCLP PAH B(a)P PQL<5.0 ug/L	TCLP Metals (SPECIFY METALS WHICH NEED TO BE ANALYSED)	NOTES
L105	11428	WAC11-TP11	Soil	07.09.2017	15:00	1 jar									X						
L106	11428	WAC11-TP12	Soil	07.09.2017	15:00	1 jar									X						
L107	11428	WAC11-TP13	Soil	07.09.2017	15:00	1 jar									X						
L108	11428	WAC11-TP14	Soil	07.09.2017	15:00	1 jar									X						
L109	11428	WAC11-TP15	Soil	07.09.2017	15:00	1 jar									X						

Uncontrolled if printed

Date printed: 7/09/2017

Construction Material Testing Laboratory

CLIENT/PROJECT:	CDSJV	LABORATORY REFERENCE NO. (Lab use ONLY):	
CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER	WCX-02-11428		
SAMPLES DELIVERED BY:	ADE Consulting Group		
POSTAL ADDRESS:	6/7 Millennium Ct, Silverwater NSW 2128	RECEIVED BY:	Jesse
SAMPLERS:	NE	SAMPLES VOLUME:	SUFFICIENT: ☐ ✓ INSUFFICIENT: ☐
STORAGE/DISPOSAL:	4 WEEKS: ☐ >4 WEEKS: ☐		
SAMPLING DATE:	07.09.2017	DATE: 11.09.17	TIME: 3:50
TURNAROUND:	24h: ☒ 48h: ☐ 72h: ☐ 5 WORKING DAYS: X 10 WORKING DAYS: ☐	SIGNATURE:	
REPORT FORMAT:	DISK: ☐ E-MAIL: X		
SIGNATURE:	JOB CONTACT E-MAIL: k.mcclintock@adenvirotech.com.au		

SAMPLE DATA / ANALYSIS REQUIRED

Sample ID (Lab Use)	Sample Name		Density Data - Gauge (Only for Compaction)		MATRIX	DELIVERY DATE	DELIVERY TIME	CONTAINER	Particle Size Distribution (ADVISE PSD RANGE)	Plasticity Index - Atteberg Limit	Particle Size Distribution (ADVISE PSD RANGE)	Plasticity Index - Atteberg Limit	Linear Shrinkage	CBR	Compaction Effort- Standard (AS1289.5.1)	Compaction Effort- Modified (AS1289.5.2.1)	Compaction- HILF	Texture	Foreign Materials ENM STANDARD	Grading			NOTES
	Invoice Number	Sample number	Field Wet Density t/m^3	Moisture Content %																			
	11428	WAC11-TP11.TXT	SL		Soil	07.09.2017	15:00	90x150 mm (small) Ziplock Bag										X					
	11428	WAC11-TP12.TXT	SL		Soil	07.09.2017	15:00	90x150 mm (small) Ziplock Bag										X					
	11428	WAC11-TP13.TXT			Soil	07.09.2017	15:00	90x150 mm (small) Ziplock Bag										X					
	11428	WAC11-TP14.TXT			Soil	07.09.2017	15:00	90x150 mm (small) Ziplock Bag										X					
	11428	WAC11-TP15.TXT			Soil	07.09.2017	15:00	90x150 mm (small) Ziplock Bag										X					

Waste Analysis & Classification Report

Bexley Southern Construction Compound, Bexley NSW

Prepared for: CPB Contractors, Dragados, Samsung Joint Venture

WCX-02-11428 / WAC10
v1 final
27th January 2017

ADECONSULTINGGROUP
SOLUTIONS THROUGH INNOVATION

WASTE ANALYSIS AND CLASSIFICATION REPORT
WCX-02-11428 / WAC10 / v1 final

1. INTRODUCTION

1.1. Background

A.D. Envirotech Australia Pty Ltd (ADE) was commissioned by CPB Contractors, Dragados, Samsung Joint Venture (CDSJV) to undertake a Waste Analysis and Classification Assessment of the in situ subject area, on the Bexley South Construction Compound, Bexley New South Wales (NSW) *(refer to Appendix I – Aerial Photograph).*

1.2. Site Information

Table 1. Summary of site information and project information.

Site Project Details	
Client:	CDSJV
ADE Project No:	WCX-02-11428 / WAC10 / v1 final
Site Address:	Bexley Southern Construction Compound, Bexley Road, Bexley NSW
Subject Area:	Bexley Southern Construction Compound, southern shaft area, soil materials from approximately 4.5 m below ground level (BGL) to 24.0 m BGL *(refer to Appendix I – Aerial Photograph).*
Date of Fieldworks:	17.01.2017
Date of Report:	27.01.2017
Volume of Material:	Total Area: 314 m^2 In-situ volume: ~6,280 m^3 Ex-situ volume: 8,164 m^3 (*using conversion factor of 1.3)
Waste Matrix:	Soil materials generally consisting of dark grey to light brown silty clay. No foreign materials, asbestos containing materials (ACM), paint chips, sulfidic ores and hydrocarbon odours/staining were observed within any of the materials inspected *(refer to Appendix I – Aerial Photographs).*

2. OBJECTIVES

The objective of the works issued to ADE by the client was to classify the in situ virgin soil materials located within the subject area in accordance with the NSW Environment Protection Authority (EPA) *Waste Classification Guidelines. Part 1: Classifying Waste* (2014) for off-site disposal.

The Protection of the Environment Operations Act 1997 (POEO Act) defines virgin excavated natural material (VENM) as:

"natural material (such as clay, gravel, sand, soil or rock fines):

- *That has been excavated or quarried from areas that are not contaminated with manufactured chemicals, or with process residues, as a result of industrial, commercial, mining or agricultural activities; and*

- *That does not contain any sulfidic ores or soils or any other waste*

Includes excavated natural material that meets such criteria for virgin excavated natural material as may be approved for the time being pursuant to an EPA Gazettal notice."

3. SCOPE OF WORK

The scope of work required to achieve the objectives of the investigation involved the following:

- Completion of a Safety, Health & Environment Work Method Statement prior to undertaking works;
- Inspection of the subject area;
- Collection of discrete soil samples for chemical characterisation of the soil materials;
- Collection of discrete soil samples for analysis of ACM as required;
- Cold storage of all samples collected;
- Submission of collected samples under Chain of Custody (CoC) conditions to a National Association of Testing Authorities (NATA) accredited laboratory for analysis;
- Laboratory analysis of samples for Heavy Metals – Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel and Zinc (M8), Total Recoverable Hydrocarbons (TRHs), Benzene, Toluene, Ethylbenzene, and Xylene (BTEX), Polycyclic Aromatic Hydrocarbons (PAHs), Organophosphorus Pesticides (OPPs), Organochlorine Pesticides (OCPs), Polychlorinated Biphenyls (PCBs) and Asbestos;
- Evaluation of results in accordance with assessment criteria outlined in the NSW EPA *Waste Classification Guidelines. Part 1: Classifying Waste* (2014); and
- Preparation of a report outlining the investigation methodology, interpretation of the site data (results), classification and conclusions.

4. PRELIMINARY DESKTOP STUDY

4.1. Proposed Excavation Works andAnecdotal Information

ADE was advised by the client that the soil materials were to be excavated from the southern shaft area within the Bexley Southern Construction Compound. ADE was advised by the client that the total area of the excavation to be classified was 314 m^2. The subject material extends from approximately 4.5 m to 24.0 m BGL. The total in-situ volume of soil materials to be classified is 6,280 m^3; using a conversion factor of 1.3 the total ex-situ volume of material is estimated to be 8,164 m^3.

4.2 Acid Sulfate Soils

A review of the Australian Soil Resource Information System (ASRIS) was undertaken to determine the potential for Acid Sulfate Soils (ASS) at the site. The site was identified as having 'No Known Occurrence' in regards to ASS risk *(refer to Appendix III – Supporting Documents).* No visual (staining) or olfactory (odours) indicators for ASS were observed in any of the soil materials inspected.

4.3 NSW EPA Contaminated Land Register

A review of the NSW Office of Environment and Heritage (OEH) 'Contaminated Land – Record of Notices' listed by the NSW EPA under the Contaminated Land Management Act 1997 does not identify notices related to the source site (*refer to Appendix III – Supporting Documents*). A review of the 'List of NSW Contaminated Site Notified to the EPA' does not identify the source site as being notified as a contaminated site.

5. SAMPLING PLAN, METHODOLOGY, FIELD INVESTIGATIONS AND INVESTIGATION PATTERN

5.1. Scope of Analysis

Based on the former site use, anecdotal evidence, review of ASRIS Acid Sulfate Risk Maps and the NSW Contaminated Land Register, the following suite of analytes has been included within the scope of analysis:

- M8;
- TRH;
- PAHs;
- BTEX;
- PCBs;
- OCPs;
- OPPs; and
- Asbestos.

5.2. Sampling Plan

For the chemical assessment of the subject area, ADE adopted a minimum sampling density prescribed in the 'New South Wales EPA Contaminated Sites – Sampling Design Guidelines (1995).'

The size of the subject area to be classified within this report is approximately 314 m^2 with a total number of five (5) sampling points allocated to effectively characterise the soil materials.

5.3. Equipment Decontamination

All sampling equipment comprised of dedicated disposable materials (e.g. nitrile gloves) which were changed between each sample. As such, additional decontamination procedures were not deemed necessary. All disposable sampling equipment and rubbish was collected and removed prior to leaving site.

5.4. Documentation

A field observation log was kept by sampling personnel. Details recorded in the log included:

- Location and sample number;
- Soil profile notes;
- Sampling method;
- Sample identification;
- Sample description; and
- Sample point measurements.

A comprehensive master sample register was maintained. As samples were received, they were given a unique sequential number from the sample register into which details from the labels were entered. Before packing and dispatch of samples for analysis, a CoC form was completed (*refer to Appendix V – Chain of Custody*). This form recorded details of the individual samples being dispatched and the type of analysis required for each sample.

5.5. Sampling and Laboratory Submission

Field activities were conducted by an experienced Environmental Scientist. The samples were placed in sterile glass jars with Teflon lined lids. The samples were transferred to a cooler box which contained ice packs (or equivalent) present in order to maintain the samples at a temperature below approximately 4^{0}C.

The following outlines the NATA accredited laboratories used for analytical testing:

- Samples collected by ADE on the 17.01.2017 for analysis of M8, PAHs, TRHs, OCPs, OPPs, PCBs, BTEX and Asbestos were submitted to Environmental and OH&S Laboratory on the 18th of January 2017.

Copies of the completed CoC forms were retained on the Central Filing System and the original was sent to the analytical laboratory together with the samples.

Table 2. Summary of virgin soil samples collected.

Borehole *(refer to Appendix I – Aerial Photograph)*	**Sample I.D**	**Sample Type**	**Sample Description**	**Depth (m BGL)**
Borehole1	11428 / WAC10 / BH1K	Soil (chemical analysis) Soil (asbestos analysis)	Dark grey sandy clay soil.	6.0
Borehole2	11428 / WAC10 / BH2G	Soil (chemical analysis) Soil (asbestos analysis)	Light brown silty clay soil	4.5
Borehole3	11428 / WAC10 / BH3G	Soil (chemical analysis) Soil (asbestos analysis)	Light brown to dark grey silty clay soil	6.0
Borehole4	11428 / WAC10 / BH4M	Soil (chemical analysis) Soil (asbestos analysis)	Light brown silty clay soil	7.0
Borehole5	11428 / WAC10 / BH5J	Soil (chemical analysis) Soil (asbestos analysis)	Light grey silty clay soil	5.0

6. SUMMARY OF RESULTS

6.1. Summary of Field Observations

In situ virgin soil materials generally consisting of dark grey to light brown silty clay. No foreign materials, ACM, paint chips, sulfidic ores and hydrocarbon odours/staining were observed within any of the materials inspected

Following visual inspection of the soil materials and surrounding site, the scope of analysis for soil samples listed in Section 5.1 of this report was considered adequate at the time of inspection.

6.2. VENM Assessment

The details of the analysis results are summarised in **Table 3** below. Explanatory notes are given at the end of the table (*refer to Appendix IV – Analytical Reports*).

Table 3. Summary of analytical results – VENM

Site Assessment Criteria (SAC)				Results	Conclusion
Analytes	**Maximum Values of Total Concentration Assigned for General Solid Waste CT1/CT2, mg/kg**	**Maximum Values of Total Concentration Assigned for General Solid Waste TCLP1 (mg/L)/ SCC1 (mg/kg)**	**Background Ranges[1]**	**Maximum Total Concentration Detected, mg/kg**	**Virgin Excavated Natural Material (VENM)**
Metals					
Arsenic	100/400	5/500	1-50	20	Acceptable
Cadmium	20/80	1/100	1	ND	Acceptable
Chromium	100/400	5/1900	5-1000	8	Acceptable
Copper	NA	NA	2-100	7	Acceptable
Lead	100/400	5/1500	2-200	25	Acceptable
Mercury	4/16	0.2/50	0.03	ND	Acceptable
Nickel	40/160	2/1050	5-500	ND	Acceptable
Zinc	NA	NA	10-300	ND	Acceptable
TRH					
TRH Fraction $C_6 – C_{10}$	NA	NA/650	-	ND	Acceptable
TRH Fraction C_{10}- C_{40}	NA	NA/10000	-	ND	Acceptable
TRH Fraction C_{10}-C_{16}	NA	NA	-	ND	Acceptable
TRH Fraction C_{16}-C_{34}	NA	NA	-	ND	Acceptable
TRH Fraction C_{34}-C_{40}	NA	NA	-	ND	Acceptable
OCPs					
DDT + DDD + DDE	NA	NA	-	ND	Acceptable
Chlordane	NA	NA	-	ND	Acceptable
Aldrin + Dieldrin	NA	NA	-	ND	Acceptable
Endosulfan	60/240	3/108	-	ND	Acceptable
PCBs					
Total PCBs	<50/<50	NA/<50	-	ND	Acceptable
BTEX					
Benzene	10/40	0.5/18	-	ND	Acceptable
Toluene	288/1152	14.4/518	-	ND	Acceptable
Ethyl-benzene	600/2400	30/1080	-	ND	Acceptable
Xylenes (total)	1000/4000	50/1800	-	ND	Acceptable
PAHs					
Benzo(a)pyrene	0.8/3.2	0.04/10	-	ND	Acceptable
PAH total	NA	NA/200	-	ND	Acceptable

Notes to table

ND – Not detected / below Practical Quantitation Limit (PQL)

NA – Not Applicable

[1] Background ranges, taken from the Field Geologist's Manual, compiled by D A Berkman, Third Edition 1989. Publisher – The Australasian Institute of Mining & Metallurgy.

6.3. Asbestos Assessment

For the assessment of asbestos and presence/absence approach was undertaken. At each sample location a 65g soil samples was collected and analysed for asbestos. No asbestos was observed within the soil materials or detected within the samples collected.

7. CONCLUSIONS

Based on the data and evidence collected in the course of the investigation, it is the opinion of ADE that:

- The concentrations of M8, TRHs, BTEX, PAHs, OCPs, OPPs and PCBs in the soil samples collected from the subject virgin soil materials meet the criteria for classification as VENM;

- No asbestos was observed within the soil materials or detected within any of the soil samples collected; and

- The material being excavated and transported off-site for disposal must be from within the subject stockpiles shown on the attached figure, and must be consistent with the waste description provided. If there are any unexpected finds that are not consistent with this classification, please contact ADE immediately on (02) 8541 7214.

8. CLASSIFICATION

Waste Description:	Soils consisting of dark grey to light brown silty clay. No foreign materials, ACM, paint chips, sulfidic ores and hydrocarbon odours/staining were observed within any of the materials inspected
Waste Volume:	8,164 m^3
Waste Classification:	**Virgin Excavated Natural Material**

10. REFERENCES

- *Assessment of Site Contamination, National Environment Protection (Assessment of Site Contamination) Measure, 1999 (2013 Amendment).*

- Australian Standard AS 4482.1 *Guide to the sampling and investigation of potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds.*

- *Chapman, G.A and Murphy, C.L. (1989), Soil Landscapes of the Sydney 1:100 000 sheet. Soil Conservation Service of N.S.W., Sydney.*

- *Guidelines for the NSW Site Auditor Scheme*, NSW DEC (NSW DECC), Second Edition, April 2006.

- *The Field Geologist's Manual, compiled by D A Berkman, Third Edition 1989. Publisher – The Australian Institute of Mining and Metallurgy.*

- *Victorian EPA Industrial Waste Resource Guidelines for Soil Sampling, 2010.*

- *Waste Classification Guidelines - Part 1: Classifying Waste*, NSW EPA, November 2014.

11. LIMITATIONS

This report has been prepared for the exclusive use of the client. ADE has used a degree of care and skill ordinarily exercised in similar investigations by reputable members of the environmental industry in Australia. No other warranty, expressed or implied, is made or intended. No one section or part of a section, of this report should be taken as giving an overall idea of this report. Each section must be read in conjunction with the whole of this report, including its appendixes and attachments.

Any other party should satisfy themselves that the scope of work conducted and report herein meets their specific needs. ADE cannot be held liable for third party reliance on this document, as ADE is not aware of the specific needs of the third party.

The subsurface environment can present substantial uncertainty due to it complex heterogeneity. The conclusions presented in this report are based on limited investigation of conditions at specific sampling locations chosen to be as representative as possible under the given circumstances. However, it is possible that this investigation may not have encountered all areas of contamination at the site due to the limited sampling and testing program undertaken.

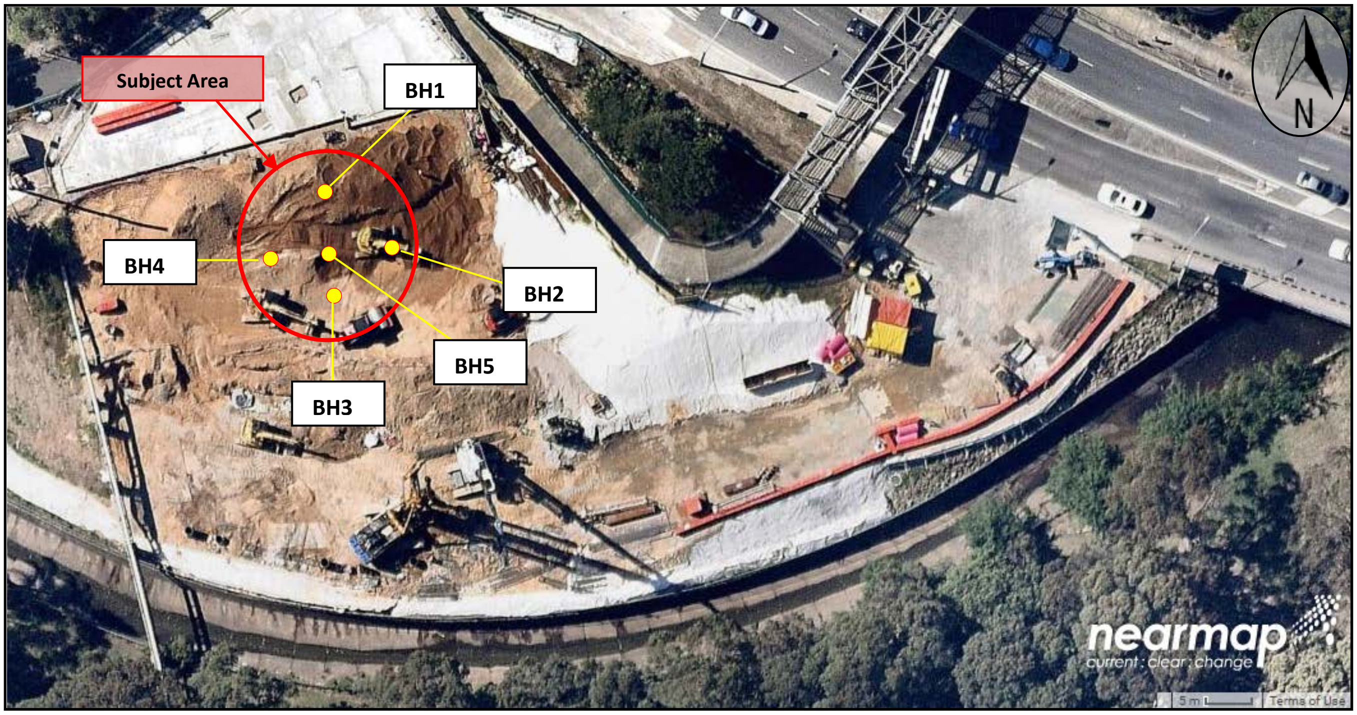
The material subject to classification pertains only to the site and subject area outlined within the report and must be consistent with the waste description reported. If there are any unexpected finds that are not consistent with this classification, ADE must be notified immediately.

ADE's professional opinions are based upon its professional judgement, experience, training and results from analytical data. In some cases further testing and analysis may be required, thus producing different results and/or opinions. ADE has limited its investigation to the scope agreed upon with its client.

Reviewed by
Kyle McClintock
B.Sc. Hons. (Env. Sci.)

Written by
Daniel Perica
B. Sci. (EnvironmentalForensics)

APPENDIX I – AERIAL PHOTOGRAPH



Aerial Photograph 1 -Location of subject area and approximate bore hole locations (image adapted from *Nearmap*; accessed 24.01.2017).

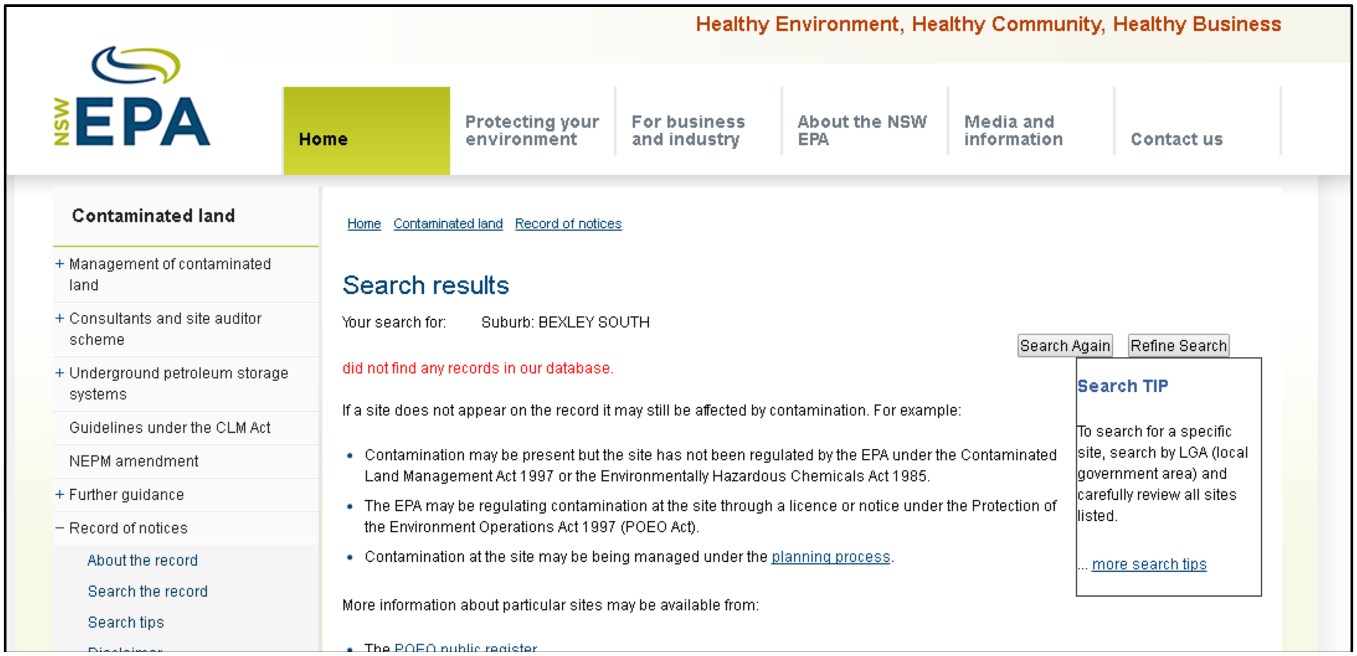
APPENDIX II – PHOTOGRAPHS

Photograph 1. Subject Area (facing south-west) as observed on the 17th January 2017.

Photograph 2. Representative soil material within the subject area.

APPENDIX III – SUPPORTING DOCUMENTS

Figure 1. Approximate location of subject area.The probability of acid sulfate soils present within the subject area is 'No Known Occurrence'. Acid Sulfate Soils base layer taken from *http://www.asris.csiro.au*and adapted on*Google Earth*, accessed 24.01.2017.



Search results

Your search for: Suburb: BEXLEY SOUTH

did not find any records in our database.

If a site does not appear on the record it may still be affected by contamination. For example:

- Contamination may be present but the site has not been regulated by the EPA under the Contaminated Land Management Act 1997 or the Environmentally Hazardous Chemicals Act 1985.
- The EPA may be regulating contamination at the site through a licence or notice under the Protection of the Environment Operations Act 1997 (POEO Act).
- Contamination at the site may be being managed under the planning process.

More information about particular sites may be available from:

- The POEO public register

Search TIP

To search for a specific site, search by LGA (local government area) and carefully review all sites listed.

... more search tips

Figure 2. Screen shot of the NSW Office of Environment and Heritage (OEH) 'Contaminated Land – Record of Notices' listed by the NSW EPA under the *Contaminated Land Management Act 1997,*no notices were identified for the area of the source site (*epa.nsw.gov.au*; accessed on 24.01.2017).

APPENDIX IV – ANALYTICAL REPORTS

Environmental and OH&S Laboratory
A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950

Unit 4/10-11 Millennium Court,
Silverwater 2128
Ph: (02) 9648-6669

Analysis report: WCX-02-11428-10

Customer: A. D. Envirotech Australia Pty. Ltd.
Attention: Kyle McClintock

Sample Log In Details

Your reference: WCX-02-11428-10
No. of Samples: 5
Date Received: 18.01.2017
Date completed instructions received: 18.01.2017
Date of analysis: 18-27.01.2017

Report Details

Report Date: 27.01.2017
Method number:** ESA-MP-01
ESA-MP-02
ESA-P-ORG03
ESA-P-ORG07
ESA-P-ORG08
ESA-P-ORG09
ESA-P-ORG14
ESA-P-ORG15
ESA-P-12

Results Authorised By:

Wojtalewicz

Dr Dominika Wojtalewicz (MRACI CCHEM)
Laboratory Manager/Chemist

Accreditation No.14664.
Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.
Tests not covered by NATA are denoted with *.

Lab ID	PQL (mg/kg)	11428-C80	11428-C81	11428-C82	11428-C83	11428-C84
Sample Name		11428-WAC10.BH1K	11428-WAC10.BH2G	11428-WAC10.BH3G	11428-WAC10.BH4M	11428-WAC10.BH5J
PAH						
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[b]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[k]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chrysene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
p-Terphenyl-d14	surr.	114%	113%	110%	111%	111%
OCPs						
aldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
a-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (lindane)	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDD	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDE	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDT	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
dieldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endosulfan I	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan II	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan sulfate	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endrin aldehyde	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin ketone	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor epoxide	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
hexachlorobenzene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methoxychlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TCMX	surr.	101%	102%	96%	100%	100%
OPPs						
chlorpyrifos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
chlorpyrifos methyl	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
diazinon	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
fenchlorphos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methyl parathion	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
prophos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tributylphosphorotrithioite	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB						
Aroclor 1016	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-fluorobiphenyl	surr.	87%	91%	81%	86%	86%

Lab ID	PQL (mg/kg)	11428-C80	11428-C81	11428-C82	11428-C83	11428-C84
Sample Name		11428-WAC10.BH1K	11428-WAC10.BH2G	11428-WAC10.BH3G	11428-WAC10.BH4M	11428-WAC10.BH5J
TRH						
>C6-C10	35	<35	<35	<35	<35	<35
>C10-C16	50	<50	<50	<50	<50	<50
>C16-C34	100	<100	<100	<100	<100	<100
>C34-C40	100	<100	<100	<100	<100	<100
BTEX						
Benzene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<1	<1	<1	<1	<1
m, p- Xylene(s)	2	<2	<2	<2	<2	<2
o-Xylene	1	<1	<1	<1	<1	<1
Fluorobenzene	surr.	105%	104%	105%	105%	106%
Metals						
Arsenic	2	18	20	17	20	15
Cadmium	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium	5	<5	6.9	5.6	8.0	<5
Copper	5	<5	<5	<5	6.8	<5
Lead	10	<10	<10	<10	25	<10
Mercury	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	10	<10	<10	<10	<10	<10
Zinc	5	<5	<5	<5	<5	<5
Moisture	%	12%	13%	11%	12%	11%

Lab ID	PQL (mg/kg)	Batch Blank 1	Batch Blank spike 1	Batch Matrix spike 1	Batch Duplicate 1-Value 1	Batch Duplicate 1-Value 2	Batch Duplicate 1
Sample Name							
PAH							
Acenaphthene	0.3	<0.3	84%	84%	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	104%	101%	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	87%	82%	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	85%	85%	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	95%	92%	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	85%	84%	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.		89%	86%	97%	95%	
OCPs							
aldrin	0.1	<0.1	83%	81%	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	102%	113%	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	78%	79%	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
TCMX	surr.		84%	82%	89%	88%	
OPPs							
chlorpyrifos	0.1	<0.1	83%	83%	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	85%	84%	<0.1	<0.1	ACCEPT
fenchlorphos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
PCB							
Aroclor 1016	0.5	<0.5	63%	65%	<0.5	<0.5	ACCEPT
Aroclor 1221	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1232	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1242	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1248	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1254	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1260	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
2-fluorobiphenyl	surr.		86%	86%	82%	82%	

Lab ID	PQL (mg/kg)	Batch Blank 1	Batch Blank spike 1	Batch Matrix spike 1	Batch Duplicate 1-Value 1	Batch Duplicate 1-Value 2	Batch Duplicate 1
Sample Name							
TRH							
>C6-C10	35	<35	NT	NT	<35	<35	ACCEPT
>C10-C16	50	<50	102%	93%	<50	<50	ACCEPT
>C16-C34	100	<100	NT	NT	<100	<100	ACCEPT
>C34-C40	100	<100	NT	NT	<100	<100	ACCEPT
BTEX							
Benzene	0.5	<0.5	100%	96%	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	98%	94%	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	93%	90%	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	97%	94%	<2	<2	ACCEPT
o-Xylene	1	<1	93%	91%	<1	<1	ACCEPT
Fluorobenzene	surr.		102%	100%	102%	103%	
Metals							
Arsenic	2	<2	98%	105%	17	17	ACCEPT
Cadmium	0.3	<0.3	80%	103%	<0.3	<0.3	ACCEPT
Chromium	5	<5	78%	88%	7.7	6.6	ACCEPT
Copper	5	<5	73%	97%	9.9	18	ACCEPT
Lead	10	<10	80%	97%	13	14	ACCEPT
Mercury	0.2	<0.2	94%	92%	<0.2	<0.2	ACCEPT
Nickel	10	<10	70%	98%	<10	<10	ACCEPT
Zinc	5	<5	80%	98%	16	21	ACCEPT
Moisture	%						

Lab ID	PQL (mg/kg)	Duplicate 2-Value 1	Duplicate 2-Value 2	Duplicate 2
Sample Name				
PAH				
Acenaphthene	0.3	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.	113%	115%	
OCPs				
aldrin	0.1	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	<0.1	ACCEPT
TCMX	surr.	102%	103%	
OPPs				
chlorpyrifos	0.1	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	<0.1	ACCEPT
fenchlorphos	0.1	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	<0.1	ACCEPT
PCB				
Aroclor 1016	0.5	<0.5	<0.5	ACCEPT
Aroclor 1221	0.5	<0.5	<0.5	ACCEPT
Aroclor 1232	0.5	<0.5	<0.5	ACCEPT
Aroclor 1242	0.5	<0.5	<0.5	ACCEPT
Aroclor 1248	0.5	<0.5	<0.5	ACCEPT
Aroclor 1254	0.5	<0.5	<0.5	ACCEPT
Aroclor 1260	0.5	<0.5	<0.5	ACCEPT
2-fluorobiphenyl	surr.	91%	79%	

Lab ID	PQL (mg/kg)	Duplicate 2-Value 1	Duplicate 2-Value 2	Duplicate 2
Sample Name				
TRH				
>C6-C10	35	<35	<35	ACCEPT
>C10-C16	50	<50	<50	ACCEPT
>C16-C34	100	<100	<100	ACCEPT
>C34-C40	100	<100	<100	ACCEPT
BTEX				
Benzene	0.5	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	<2	ACCEPT
o-Xylene	1	<1	<1	ACCEPT
Fluorobenzene	surr.	104%	103%	
Metals				
Arsenic	2	20	20	ACCEPT
Cadmium	0.3	<0.3	<0.3	ACCEPT
Chromium	5	6.9	6.9	ACCEPT
Copper	5	<5	<5	ACCEPT
Lead	10	<10	<10	ACCEPT
Mercury	0.2	<0.2	<0.2	ACCEPT
Nickel	10	<10	<10	ACCEPT
Zinc	5	<5	<5	ACCEPT
Moisture	%			

General Comments and Glossary

Tests not covered by NATA are denoted with *.

Samples are analysed on "as received" basis.

Samples were delivered chilled	**Yes**
Samples were preserved in correct manner	**Yes**
Sample containers for volatile analysis were received with minimal headspace	**Yes**
Samples were analysed within holding time	**Yes**
Some samples have been subcontracted	**No**

1. All samples are tested in batches of 20.
2. All results for soil samples are reported per gram of dry soil, unless otherwise stated.
3. However surrogate standards are added to samples due to PAH and BTEX analysis and recoveries are calculated, samples' results are not corrected for standards recoveries.
4. Analysis of VOC in water samples are performed on unfiltered waters (as received), spiked with surrogate
5. If heterogenous or insufficient material provided LCS is used as matrix spike for QA/QC purposes.
6. Duplicate sample and matrix spike recoveries may not be prepared on smaller jobs, however, were analysed at a frequency
7. QA/QC samples shown within the report that states the word "BATCH"; Batch Blank, Matrix Spike and Duplicate were prepared on samples from outside of reported job.

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surr. (Surrogate Spike): Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

INS: Insufficient sample for this test
>: Greater than
LCS: Laboratory Control Sample
NT: Not tested
<: Less than
RPD: Relative Percent Difference
NA: Test not required
PQL: Practical Quantitation Limit

Laboratory Acceptance Criteria

Matrix Spikes and LCS: Generally 70-130% for inorganics/metals, 60-140% for organics is acceptable.
Matrix heterogeneity may result in matrix spike analyses falling outside these limits.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:
Results <10 times the PQL : No Limit
Results between 10-20 times the PQL : RPD must lie between 0-50%
Results >20 times the PQL : RPD must lie between 0-30%
Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

Methods Number Description:

ESA-MP-01	Determination of metals by MP-AES
ESA-MP-02	Digestion of soil samples for MP-AES analysis
ESA-MP-03	Preparation of water samples for metals determination by MP-AES
ESA-MP-04	TCLP for inorganic contaminants
ESA-MP-05	Digestion of paint and dust samples for lead content determination
ESA-MP-06	Digestion of air filters
ESA-MP-07	Digestion of swabs for determination of lead content in dust
ESA-P-ORG02	Analysis of PAHs by GC-MS
ESA-P-ORG03	Analysis of TRH and TPH by GC-FID
ESA-P-ORG04	Separatory funnel extraction of PAHs from water matrices including TCLP extracts
ESA-P-ORG05	Separatory funnel extraction of TRH and TPH from water matrices
ESA-P-ORG06	Silica gel clean up of soil and water extracts, prior analysis for STPH
ESA-P-ORG07	Extraction of BTEX and VTRX from soil matrices
ESA-P-ORG08	Analysis of soil extracts and waters by P&T GCMS
ESA-P-ORG09	Extraction of TRH from solid matrices
ESA-P-ORG14	Extraction of PCB (Aroclor) OCP OPP and PAH from soil matrices
ESA-P-ORG15	Analysis of PCB OCP OPP and PAH by GCMS
AS 1289.4.3.1	Determination of the pH value of a soil-Electrometric method
AS 1289.3.6.1	Determination of the particle size distribution of a soil - Standard method of analysis by sieving
T276	NSW RMS Test Method T 276 Foreign materials content of recycled crushed concrete
*Texture Assessment based on; Salinity Notes, Number 8, Oct 2000, ISSN 1 325-4448, "How to Texture soils & Test for Salinity"	
*ESA-P-16	Procedure for measurement of Electrical Conductivity EC
ESA-P-12	Moisture by classical in-house method; **Procedure for gravimetric moisture determination**

*pH measurement as per: The excavated natural material order 2014 Schedule B3: GUIDELINE ON Laboratory Analysis of Potentially Contaminated Soils

Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or
measurements included in this document are traceable
to Australian/national standards.

Tests not covered by NATA are denoted with *.

Environmental and OH&S Laboratory

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950
Unit 4/10-11 Millennium Court,
Silverwater 2128

Analysis report: WCX-02-11428 ASB 9

Date Received:	18.01.17
Date Analysed:	23.01.17
Report Date:	24.01.17
Client:	CSJJV
Job Location:	Bexley, NSW
Analytical method:	Polarised Light Microscopy with dispersion staining (ADE method ABI)

Analysis performed by:

ZhengLiu

Zheng Liu
Approved asbestos identifier

Results Authorised By:

Wojtalewicz

NATA Approved signatory
Dr Dominika Wojtalewicz (MRACI CCHEM)
Laboratory Manager/Principal Chemist

Accreditation No.14664.
Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

Laboratory Sample No.	**Sample Description/Matrix**	**Sample Dimensions (cm) unless stated otherwise**	**Result**	**Comments**
11428-Asb67	Soil / WAC10.BH1K	140 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb68	Soil / WAC10.BH2G	170 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb69	Soil / WAC10.BH3G	150 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb70	Soil / WAC10.BH4M	170 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
11428-Asb71	Soil / WAC10.BH5J	160 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil

General Comments:

All samples are analysed as received.
Sampling performed by AD Envirotech is not covered by NATA scope.
Samples are stored for period of 3 months.
Due to the difficulty of estimating the load on the swab the test is carried out for presence or absence of asbestos only.
[1] Independent confirming technique such as infrared spectroscopy, X-ray diffraction, scanning or transmission electron microscopy is advised.

APPENDIX V – CHAIN OF CUSTODY

Chain of Custody (Internal)

Environmental and OHS Laboratory

CLIENT / PROJECT:	
CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER	**WCX-02-11428**
SAMPLES DELIVERED BY:	ADE Consulting Group
SAMPLERS:	SH
TURNAROUND:	24h: ☐ 48h: ☐ 72h: ☐ 5 WORKING DAYS: X
SAMPLING DATE:	1/02/2016
AFTER TEST STORAGE:	ROOM TEMP: ☐ FRIDGE: X FREEZER: ☐ > 4 WEEKS: ☐ OTHER: ☐
REPORT FORMAT:	DISK: ☐ E-MAIL: X
SIGNATURE:	JOB CONTACT E-MAIL: k.mcclintock@adenvirotech.com.au

LABORATORY REFERENCE NO. (Lab use ONLY):	11428-10
RECEIVED BY:	JASMINE F.
SAMPLES:	CHILLED: ☑ PRESERVED: ☐ n/A
MINIMAL HEADSPACE : ☑	WITHIN HOLDING TIME: ☑
DATE: 18/01/17	TIME: 10:00
SIGNATURE:	

ANALYSIS REQUIRED

Sample ID (Lab Use)	Sample Name		MATRIX	DELIVERY DATE	DELIVERY TIME	CONTAINER DATA													TCLP				NOTES
	Invoice Number	Sample number				TYPE & PRESERVATIVE	NO.	6 Metal Suite	8 Metal Suite	BTEX	PAH	OCP/OPP	PCB	vTRH (C6-C10)	TRH (C10-C40)	pH/EC	pH/pH fox	TCLP Prep ONLY	TCLP PAH B(a)P PQL<0.2 ug/L	TCLP PAH B(a)P PQL<5.0 ug/L	TCLP Metals (SPECIFY METALS WHICH NEED TO BE ANALYSED)		
C80	11428	WAC10.BH1K	Soil	18/01/2017	9:30	Jar & Bag, no pres	1		X	X	X	X	X	X	X								
C81	11428	WAC10.BH2G	Soil	18/01/2017	9:30	Jar & Bag, no pres	2		X	X	X	X	X	X	X								
C82	11428	WAC10.BH3G	Soil	18/01/2017	9:30	Jar & Bag, no pres	3		X	X	X	X	X	X	X								
C83	11428	WAC10.BH4M	Soil	18/01/2017	9:30	Jar & Bag, no pres	4		X	X	X	X	X	X	X								
C84	11428	WAC10.BH5J	Soil	18/01/2017	9:30	Jar & Bag, no pres	5		X	X	X	X	X	X	X								

ABI Laboratory

SAMPLES SUBMITTED BY:	ADE Consulting Group, Unit 6/7 Millennium Court Silverwater, 2128 NSW	LABORATORY REF. NO.:	11428 ASB 9
SAMPLERS:	SH	RECEIVED BY:	Alex Liu
REPORT FORMAT:	DISK: ☐ E-MAIL: X	TIME:	10:30am 18.01.2017
JOB CONTACT E-MAIL:	k.mcclintock@adenvirotech.com.au	SIGNATURE:	
CLIENT:	CSJJV		
CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER	**WCX-02-11428**	SIGNATURE:	
JOB LOCATION:	**Bexley, NSW**		

SAMPLE DATA			MATRIX										SAMPLES SUBMITTED		DATA NEEDED	
Sample ID (Lab Use)	INVOICE NUMBER	SAMPLE NUMBER	FC	FM	BM	VT	VC	Mastic	Vermiculite	Soil	Soil (500 mL) for NEPM	Other	DATE	TIME	DATE	TIME
11428-Asb67	11428	WAC10.BH1K								X			18/01/2017	9:30AM	24/01/2017	9:30AM
68	11428	WAC10.BH2G								X			18/01/2017	9:30AM	24/01/2017	9:30AM
69	11428	WAC10.BH3G								X			18/01/2017	9:30AM	24/01/2017	9:30AM
70	11428	WAC10.BH4M								X			18/01/2017	9:30AM	24/01/2017	9:30AM
71	11428	WAC10.BH5J								X			18/01/2017	9:30AM	24/01/2017	9:30AM

Soil Characterisation Assessment Report

Northcote Tunnel, Haberfield NSW

Prepared for: CPB Contractors Samsung John Holland Joint Venture (CSJJV)

WCX-03-13493 / SCA1
v1 final
9th February 2018

ADE CONSULTING GROUP
SOLUTIONS THROUGH INNOVATION

SOIL CHARACTERISATION ASSESSMENT REPORT
WCX-03-13493 / SCA1 / v1 final

1. INTRODUCTION

1.1. Background

ADE Consulting Group Pty Ltd (ADE) was commissioned by CPB Contactors Samsung John Holland Joint Venture (CSJJV) to undertake a Soil Characterisation Assessment of the excavated tunnelling spoil material sourced from the WestConnex M4 East Northcote Tunnelling Site, Haberfield NSW (refer to *Appendix I – Aerial Photograph*).

1.2. Site Information

Table 1 - Summary of Site and Project Information.

Site Project Details	
Client:	CSJJV
ADE Project No:	WCX-03-13493 / SCA1 / v1 final
Site Address:	Corner of Northcote Street and Parramatta Road, Haberfield NSW
Subject Area:	CSJJV Northcote Tunnel worksite, acoustic shed, VT4, and VT10, excavated tunnelling spoil (refer to *Appendix I – Aerial Photograph*)
Dates of Field Work:	22.01.2018 and 05.02.2018
Date of Report:	09.02.2018
Volume of Material:	Approximately 140,000 m^3
Material Matrix:	Stockpiled soil materials generally consisting of Crushed SANDSTONE: coarse grained, white/grey, with sandstone and shale cobbles and boulders, slightly moist to moist. Foreign materials including shotcrete were observed. Paint chips, sulfidic ores, hydrocarbon odours / staining and asbestos containing materials (ACM) were not observed in any of the materials inspected (refer to *Appendix II - Photographs*)

2. OBJECTIVES

The objective of the works was to characterise the excavated tunnelling spoil within the Northcote Tunnel, by taking representative samples of the stockpiled spoil generated from tunnelling works in accordance with the Resource Recovery Order under Part 9, Clause 93 of the Protection of the Environment Operations (Waste) Regulation 2014 – *'The WestConnex Stage 1B tunnel spoil order 2016'* (NSW EPA, 2016). The concentration of contaminants within the subject soil materials were also compared to health investigation level A (HIL-A) and health screening level A (HSL-A) criteria for residential land use as outlined in the *National Environment Protection (Assessment of Site Contamination) Measure 1999, 2013 Amendment* (NEPM, 2013).

NSW EPA (2016) defines the material applicable to the order as:

“Up to 2,354,000 m^3 of naturally occurring rock and soil (including but not limited to materials such as sandstone, shale, clay and soil) that:

(a) Has been generated from the WestConnex Stage 1B Project extending from the Homebush Bay Interchange to the Parramatta Road and Wattle Street Interchange;
(b) Has been virgin excavated by the use of roadheaders;
(c) Contains a known quantity of shotcrete of up to 0.5% by weight;
(d) Has not been contaminated with manufactured chemicals or process residues (except for shotcrete); and
(e) Does not meet the definition of virgin excavated natural in the POEO Act.”

3. SCOPE OF WORK

The scope of work required to achieve the objectives of the investigation involved the following:

- Completion of a Safety, Health & Environment Work Method Statement prior to undertaking works;
- Inspection of the subject material and subject area;
- Collection of discrete soil samples for chemical characterisation of the soil materials;
- Collection of discrete soil samples for analysis of asbestos;
- Submission of collected samples under Chain of Custody (CoC) conditions to National Association of Testing Authorities (NATA) accredited laboratories for analysis;
- Evaluation of analyte concentrations against the NSW EPA (2016) requirements and NEPM (2013) HIL-A and HSL-A screening criteria assigned for residential land use;
- Quality Assurance (QA)/Quality Control (QC) analysis of data;
- Preparation of a report outlining the investigation methodology, interpretation of the site data (results), classification and conclusions.

4. PRELIMINARY DESKTOP STUDY

4.1. Proposed Excavation Works and Anecdotal Information

ADE was advised by the client that the in situ virgin sandstone material was to be excavated by roadheader as part of ongoing works for the M4 East Tunnel. The material remaining to be excavated was estimated by the client to be approximately 140,000 m^3 and would be generated primarily from ventilation tunnel excavation surrounding the Parramatta Road Ventilation Facility, Haberfield NSW.

A review of aerial photographs available from Google Earth, Nearmap and NSW SIX Maps indicate that the surrounding land use was primarily low to medium density housing and light commercial / industrial use along the Parramatta Road corridor, including:

- North – Medium density residential housing followed by Iron Cove Creek;
- East – CSJJV M4 East Wattle Street Compound and Parramatta Road Ventilation Facility followed by medium density residential housing and light commercial / industrial use;
- South – Parramatta Road followed by light industrial use and medium density residential housing; and
- West – Medium density residential housing.

ADE considers that there is a low potential for soil contamination of the underlying natural materials based on former and current site uses.

Due to the depth of excavation, previous waste classification reports conducted by ADE in the vicinity of the subject area are considered to be irrelevant to the current investigation.

4.2. Acid Sulfate Soils

A review of *Acid Sulphate Soils Risk Map – Edition Two – Prospect/Parramatta River* (Department of Land and Water Conservation (DLWC), 1997) was undertaken to determine the potential for acid sulfate soil (ASS) at the site. The source site was identified as 'No Known Occurrence' in regards to ASS risk (refer to *Appendix III – Supporting Documents*). No visual (mottling) or olfactory (odours) indicators for ASS were observed in any of the soil materials inspected.

4.3. NSW EPA Contaminated Land Register

A review of the NSW Office of Environment and Heritage (OEH) '*Contaminated Land – Record of Notices*' listed by the NSW EPA under the *Contaminated Land Management Act 1997* (NSW) (CLM Act) identified no notices related to the source site (refer to *Appendix III – Supporting Documents*).

A review of the '*List of NSW Contaminated Sites Notified to the EPA*' listed by the NSW EPA under the CLM Act identified two sites within the source site's suburb of Haberfield and adjoining suburb of Ashfield (Vehicle Workshop, 445-449 Liverpool Road, Ashfield – currently listed as 'regulation under CLM Act not required'; and 7-Eleven Haberfield, 25-35 Parramatta Road, Haberfield – currently listed as 'contamination currently regulated under CLM Act'). However, the site is not notified as being a contaminated site (refer to *Appendix III – Supporting Documents*). The potential presence of contaminants within the subject area has been adequately addressed within this Soil Characterisation Assessment (refer to *Section 6: Summary of Results* and *Appendix IV – Analytical Results*).

5. SAMPLING PLAN, METHODOLOGY, FIELD INVESTIGATIONS AND INVESTIGATION PATTERN

5.1. Scope of Analysis

Based on the former site use, anecdotal evidence, review of DLWC Acid Sulfate Soil Risk Maps and the NSW Contaminated Land Register, the following suite of analytes has been included within the scope of analysis:

- Heavy metals – arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc (M8);
- Total recoverable hydrocarbons (TRHs);
- Polycyclic aromatic hydrocarbons (PAHs);
- Benzene, toluene, ethyl-benzene and xylene (BTEX);
- Polychlorinated biphenyls(PCBs);
- Organochlorine pesticides (OCPs);
- Organophosphorous pesticides (OPPs);
- Total phenols;
- Electrical conductivity (EC);
- Potential of hydrogen (pH);
- Sulfates;
- Chlorides; and
- Asbestos.

5.2. Sampling Plan

ADE developed a plan to characterise the generated tunnelling spoil within the subject area by sampling the stockpiled spoil within the Acoustic Shed, and stockpiled material within the tunnel at the VT4 and VT10 sites following generation. To provide a representative assessment of the material, the sampling plan included:

- A visual inspection of the stockpiled spoil and the source subject area;
- Collection of twenty primary soil samples for characterisation of the subject soil materials; and
- Collection of one blind replicate sample and one split replicate sample per sampling event for Quality Assurance / Quality Control (QA/QC).

5.3. Equipment Decontamination

All sampling equipment comprised of dedicated disposable materials (e.g. nitrile gloves) which were changed between each sample. As such, additional decontamination procedures were not deemed necessary. All disposable sampling equipment and rubbish was collected and removed prior to leaving site.

5.4. Documentation

A field observation log was kept by sampling personnel. Details recorded in the log included:

- Location and sample number;
- Soil profile notes;
- Sampling method;
- Sample identification;
- Sample description; and
- Sample point measurements.

A comprehensive master sample register was maintained. As samples were received, they were given a unique sequential number from the sample register into which details from the labels were entered. Before packing and dispatch of samples for analysis, a CoC form was completed (refer to *Appendix V – Chain of Custody*). This form recorded details of the individual samples being dispatched and the type of analysis required for each sample.

5.5. Field Investigation

The initial visual inspection and sampling event was completed on the 22nd January 2018 within the Northcote Tunnel Acoustic Shed where approximately of 8,000 m^3 of material was present. Ten (10) test pits were completed at equal intervals across the subject stockpile to various depths below the stockpile surface (BSS), using an excavator provided by the client. Based on the visual inspection, ADE deemed the stockpiled material to be representative of the generated tunnelling spoil. The material observed consisted of Crushed SANDSTONE: coarse grained, white/grey, with sandstone and shale cobbles and boulders, slightly moist to moist. Ten (10) representative primary samples and two (2) QA/QC samples were collected from the test pits for laboratory analysis.

A secondary sampling event was completed on the 5th February 2018. Ten (10) primary samples and two (2) QA/QC samples were collected from generated spoil at the VT4 and VT10 sites which was stockpiled prior to movement to the Acoustic Shed.

The only foreign materials observed were from shotcrete with trace metal staples observed.

Paint chips, sulfidic ores, hydrocarbon odours / staining and ACM were not observed in any of the materials inspected.

Following visual inspection of the soil materials and surrounding site, the scope for soil sampling was considered adequate.

5.6. Sampling and Laboratory Submission

Field activities were conducted by an experienced Environmental Scientist. The samples were placed in sterile glass jars with Teflon lined lids and resealable plastic bags. The samples were transferred to a cooler box which contained ice packs (or equivalent) present in order to maintain the samples at a temperature below approximately 4 ^{0}C. The following outlines the NATA accredited laboratories used for analytical testing:

- Samples collected by ADE on the 22nd January and 5th February 2018 for analysis of M8, TRHs, PAHs, PCBs, BTEX, OCPs, OPPs, pH/EC and asbestos were submitted to Sydney Laboratory Services; and
- Samples collected by ADE on the 22nd January and 5th February 2018 for analysis of M8, TRH, PAHs, PCBs, BTEX, OCPs, OPPs, total phenols, sulfates and chlorides were submitted to ALS Global.

Copies of the completed CoC forms were retained on the Central Filing System and the original was sent to the analytical laboratory together with the samples (refer to *Appendix V – Chain of Custody*).

Table 3 – Summary of Samples Collected 22nd January 2018.

Sample Location (refer *to Appendix I – Aerial Photograph*)	**Sample I.D**	**Sample Type**	**Sample Depth (m BSS)**	**Sample Description**
Test Pit 1	13493-WAC1-TP1	Soil (chemical and asbestos analysis)	0.7 m	Crushed SANDSTONE: coarse grained, white/grey, with sandstone and shale cobbles and boulders, moist
Test Pit 2	13493-WAC1-TP2	Soil (chemical and asbestos analysis)	0.7 m	
Test Pit 3	13493-WAC1-TP3	Soil (chemical and asbestos analysis)	0.7 m	
Test Pit 4	13493-WAC1-TP4	Soil (chemical and asbestos analysis)	0.8 m	
Test Pit 5	13493-WAC1-TP5	Soil (chemical and asbestos analysis)	0.7 m	
Test Pit 6	13493-WAC1-TP6	Soil (chemical and asbestos analysis)	0.7 m	
Test Pit 7	13493-WAC1-TP7	Soil (chemical and asbestos analysis)	0.7 m	
Test Pit 8	13493-WAC1-TP8	Soil (chemical and asbestos analysis)	0.7 m	
Test Pit 9	13493-WAC1-TP9	Soil (chemical and asbestos analysis)	0.7 m	
Test Pit 10	13493-WAC1-TP10	Soil (chemical and asbestos analysis)	0.7 m	
Blind Rep 1	13493-WAC1-BR	Soil (chemical analysis)	0.7 m	
Split Rep 1	13493-WAC1-SR	Soil (chemical analysis)	0.7 m	

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Table 4 – Summary of Samples Collected 5th February 2018.

Sample Location (refer *to Appendix I – Aerial Photograph*)	**Sample I.D**	**Sample Type**	**Sample Depth (m BSS)**	**Sample Description**
Test Pit 1	13493-WAC2-TP1	Soil (chemical analysis)	0.5 m	Crushed SANDSTONE: coarse grained, white/grey, with sandstone and shale cobbles and boulders, moist
Test Pit 2	13493-WAC2-TP2	Soil (chemical analysis)	0.5 m	
Test Pit 3	13493-WAC2-TP3	Soil (chemical analysis)	0.5 m	
Test Pit 4	13493-WAC2-TP4	Soil (chemical analysis)	0.5 m	
Test Pit 5	13493-WAC2-TP5	Soil (chemical analysis)	0.5 m	
Test Pit 6	13493-WAC2-TP6	Soil (chemical analysis)	0.5 m	
Test Pit 7	13493-WAC2-TP7	Soil (chemical analysis)	0.5 m	
Test Pit 8	13493-WAC2-TP8	Soil (chemical analysis)	0.5 m	
Test Pit 9	13493-WAC2-TP9	Soil (chemical analysis)	0.5 m	
Test Pit 10	13493-WAC2-TP10	Soil (chemical analysis)	0.5 m	
Blind Rep 1	13493-WAC2-BR	Soil (chemical analysis)	0.5 m	
Split Rep 1	13493-WAC2-SR	Soil (chemical analysis)	0.5 m	

5.7. Limitations of Field Investigation

The information in this report relates only to the natural sandstone and shale materials encountered and in-situ virgin material within the tunnel between Northcote Tunnel Compound and Parramatta Road Cut and Cover. Samples have been collected from representative material. If there are any unexpected finds that are not consistent with this classification, please contact ADE immediately on (02) 8541 7214.

6. SUMMARY OF RESULTS

6.1. General Description of Local Geology in the Surrounding Area

The soil in the investigation area is related to the site geology and is classified in the *Soil Landscapes of the Sydney 1:100 000 Sheet* (Chapman and Murphy, 1989) as belonging to the Blacktown Soil Landscape. The underlying geology consists of the Wianamatta Group which consists of Ashfield and Bringelly shales. These groups are characterised by Laminite, dark grey siltstone, shale, calcareous claystone and coal. The Wianamatta group overlies Hawkesbury Sandstone but still belongs in the Triassic period aged between 230-205 million years old.

6.2. Characterisation Assessment

A total of twenty representative samples were collected from the sandstone material within the subject area for assessment. The results are displayed in **Table 5** on the following page. Explanatory notes are given at the end of the table (refer to *Appendix IV – Analytical Reports*).

Table 5 - Summary of Analytical Results from the Subject Material

Site Assessment Criteria (SAC)			Results	Conclusion
Analytes	Background Ranges[1]	Maximum Average / Absolute Maximum Concentration[2]	Maximum Concentration Detected (mg/kg)	Chemical Characterisation Assessment
Metals				
Arsenic	1-50	-	6.8	Acceptable
Cadmium	1	-	ND	Acceptable
Chromium	5-1000	-	9.6	Acceptable
Copper	2-100	-	8.7	Acceptable
Lead	2-200	-	45	Acceptable
Mercury	0.03	-	ND	Acceptable
Nickel	5-500	-	ND	Acceptable
Zinc	10-300	-	47	Acceptable
TRHs				
TRH Fraction $C_6 – C_{10}$	-	-	ND	Acceptable
TRH Fraction C_{10}-C_{16}	-	-	ND	Acceptable
TRH Fraction C_{16}-C_{34}	-	-	200	Acceptable
TRH FractionC_{34}-C_{40}	-	-	ND	Acceptable
OCPs				
DDT + DDD + DDE	ND	-	ND	Acceptable
Chlordane	ND	-	ND	Acceptable
Aldrin + Dieldrin	ND	-	ND	Acceptable
Endosulfan	ND	-	ND	Acceptable
PCBs				
Total PCBs	ND	-	ND	Acceptable
BTEX				
Benzene	ND	-	ND	Acceptable
Toluene	ND	-	ND	Acceptable
Ethyl-benzene	ND	-	ND	Acceptable
Xylenes (total)	ND	-	ND	Acceptable
PAHs				
Benzo(a)pyrene	ND	-	ND	Acceptable
PAH total	ND	-	ND	Acceptable
Phenols				
Phenols (Total)	100	-	ND	Acceptable
Other				
pH	-	5 to 9 **/** 4.5 to 10	Avg: 8.7 Max: 10 Min: 7.0	Acceptable
EC	-	1.5dS/m **/** 3dS/m	Avg: 0.14 Max: 0.57 Min: 0.06	Acceptable
Asbestos	ND	-	ND	Acceptable

Notes to Table

ND – Not detected/below Practical Quantitation Limit (PQL)

NA – Not Applicable

[1] Background ranges, taken from the Field Geologist's Manual, compiled by D A Berkman, Third Edition 1989. Publisher – The Australasian Institute of Mining & Metallurgy.

7. NEPM 2013 ASSESSMENT

The subject materials have been compared against the residential land use criteria outlined in the NEPM 2013 (refer to **Table 9**).

Table 6 - Summary of Analytical results - Chemical Characterisation

Analyte	Health Investigation Levels (HILs)[1]	Health Screening Levels (HSLs)						Results	Conclusion
	HIL A (mg/kg)	Vapour Intrusion (0 m to <1 m) - HSL A[1,3] (mg/kg)	Vapour Intrusion (1m to <2m) - HSL A[1, 3] (mg/kg)	Vapour Intrusion (2m to <4m) - HSL A[1, 3] (mg/kg)	Vapour Intrusion (4m+) - HSL A[1,3] (mg/kg)	HSL Intrusive Maintenance Worker (Shallow Trench)[3] (mg/kg)	Direct Contact – HSL A (mg/kg)	Maximum Total Concentration Detected, mg/kg	
Arsenic (total)	100	-	-	-	-	-	-	6.8	Acceptable
Cadmium	20	-	-	-	-	-	-	ND	Acceptable
Chromium (Total)	100	-	-	-	-	-	-	9.6	Acceptable
Copper	6,000	-	-	-	-	-	-	8.7	Acceptable
Lead	300	-	-	-	-	-	-	45	Acceptable
Mercury (inorganic)	40	-	-	-	-	-	-	ND	Acceptable
Nickel	400	-	-	-	-	-	-	ND	Acceptable
Zinc	7,400	-	-	-	-	-	-	47	Acceptable
Carcinogenic PAHs (as BaP TEQ)[2]	3	-	-	-	-	-	-	ND	Acceptable
Polycyclic aromatic hydrocarbons (PAHs)	300	-	-	-	-	-	-	ND	Acceptable
PCBs (Total)	1	-	-	-	-	-	-	ND	Acceptable
DDT+DDE+DDD	240	-	-	-	-	-	-	ND	Acceptable
Aldrin and Dieldrin	6	-	-	-	-	-	-	ND	Acceptable
Chlordane	50	-	-	-	-	-	-	ND	Acceptable
Endosulfan	270	-	-	-	-	-	-	ND	Acceptable
Endrin	10	-	-	-	-	-	-	ND	Acceptable
Heptachlor	6	-	-	-	-	-	-	ND	Acceptable
Hexachlorobenzene	10	-	-	-	-	-	-	ND	Acceptable
Methoxychlor	300	-	-	-	-	-	-	ND	Acceptable
Chlorpyrifos	160	-	-	-	-	-	-	ND	Acceptable
Benzene	-	0.5	0.5	0.5	0.5	77	100	ND	Acceptable
Toluene	-	160	220	310	540	12,000	14,000	ND	Acceptable
Ethyl Benzene	-	55	-	-	-	85,000	4,500	ND	Acceptable
Xylene	-	40	60	95	170	130,000	12,000	ND	Acceptable
Naphthalene	-	3		-	-	29,000	1,400	ND	Acceptable
TRH: $C_6 – C_{10}$ (F1)	-	45[5]	70	110	200	82,000	4,400	ND	Acceptable
TRH: C_{10}-C_{16} (F2)	-	110[6]	240	440	-	62,000	3,300	ND	Acceptable
TRH: C_{16}- C_{34} (F3)	-	-	-	-	-	85,000	4,500	200	Acceptable
TRH: $C_{34} – C_{40}$ (F4)	-	-	-	-	-	12,000	6,300	ND	Acceptable
Phenols	3000	-	-	-	-	-	-	ND	Acceptable

Notes to Table

1 Human exposure settings based on land use have been established for HILs (see Taylor and Langley 1998). These are:
HIL A: Residential with garden/accessible soil (home-grown produce <10% fruit and vegetable intake (no poultry), also includes childcare centres, pre schools and primary schools. (For details on derivation of HILs for human exposure settings based on land use see Schedule B (7A) of NEPM 2013.

2 Carcinogenic PAHs: HIL is based on the 8 carcinogenic PAHs and their Toxic Equivalency Factor (TEFs) (potency relative to B(a)P). The B(a)P TEQ (Toxic Equivalency Quantity) is calculated by multiplying the concentration of each carcinogenic PAH in the sample by its B(a)P TEF.

3 Most conservative criteria adopted outlined for vapour risk and direct contact.

4 Laboratory detection limit adopted for screening purposes.

5 To obtain F1, subtract the sum of BTEX from the C_6-C_{10} fraction.

6 To obtain F2 subtract naphthalene from the >C_{10}-C_{16} fraction.

7.1. Chemical Assessment Discussion

Samples WAC1.TP1, WAC1.TP10 and WAC1.BR1 (a replicate of WAC1.TP10) collected from the Acoustic Shed on 22nd of January 2018 were found to contain trace levels of TRH C_{16}-C_{34} (120 mg/kg, 200 mg/kg and 180 mg/kg respectively). A silica gel cleanup was run on the samples and the results indicate a petrogenic source (refer to *Appendix IV – Analytical Reports*). Additionally, sample WAC2.TP3 collected from generated spoil on the 5th of February 2018 contained trace levels of TRH C_{16}-C_{34} at the Practical Quantitation Limit (PQL) of 100 mg/kg. The likely source of the trace hydrocarbons is heavy oils (lubricants) from machinery used in the extraction and loading of the tunnel spoil. The concentrations detected are below all conservative land use criteria as per NEPM 2013. As such, it is the opinion of ADE that the trace detections pose no risk to human health or the environment if re-used in accordance with the EPA 2016 order. ADE recommends regular check sampling of the material is undertaken.

7.2. Asbestos Assessment

During the investigation, no ACM were observed on the soil surface or throughout the materials inspected. Furthermore, no asbestos was detected within the ten samples collected from the subject virgin soil materials (refer to *Appendix IV – Analytical Reports – Analysis Report WCX-03-13493 / Asb1).*

7.3. Salinity / Aggressivity

A salinity and aggressivity assessment has been undertaken for the subject materials. The results are summarised below.

In the absence of textural analysis, the most appropriate and conservative ECe conversion factor (sands) has been adopted for the material. Of the twenty (20) samples, one sample (WAC1.TP10) collected during the 22nd of January sampling event returned an ECe result of 9.67 dS/m which indicates highly saline material. The ECe of the remaining 95% of samples indicates non-saline to slightly saline material with a maximum of 3.32 dS/m. It is the opinion of ADE that the material is generally classified as slightly saline, and that check sampling should be undertaken periodically to ensure the classification remains consistent.

Table 7 - Summary of results with regards to aggressivity to concrete.

Exposure Conditions		**Exposure Classification**	**Results**		**Conclusion**
Sulphates (expressed as SO_4) in soil (ppm)	**pH**	**Low Permeability Soils / All Soils Above Groundwater**	**Sulphates** (ppm)	**pH** (Minimum)	
≤ 5000 (0.5%)	> 5.5	Non-aggressive	50	7.0	Non-aggressive
5000 – 10 000	4.5 – 5.5	Mild			
10 000 – 20 000	4 – 4.5	Moderate			
≥ 20 000	< 4	Severe			

Table 8 - Summary of results with regards to aggressivity to steel.

Exposure Conditions		**Exposure Classification**	**Results**		**Conclusion**
Chlorides (Cl) in soil (ppm)	**pH**	**Low Permeability Soils / All Soils Above Groundwater**	**Chlorides** (ppm)	**pH** (Minimum)	
≤ 5000 (0.5%)	> 5	Non-aggressive	240	7.0	Non-aggressive
5000 – 20 000 (0.5 – 2.0%)	4 – 5	Mild			
20 000 – 50 000 (2.0 – 5.0%)	3 – 4	Moderate			
> 50 000 (5.0%)	< 3	Severe			

8. DATA QUALITY ASSESSMENT

One blind replicate and one split replicate sample was collected during each sampling event to determine the variability of the sampling process as well as the consistency and repeatability of results between laboratories. Samples were collected simultaneously from the same source and under identical conditions as the original sample. Australian Standard (AS) 4482.1 specifies the typical Relative Percentage Difference (RPD) values for blind and split replicate samples must be between 30% - 50%. Using the acceptance criteria outlined in AS 4482.1 with recommendations of the United States EPA (US EPA) Guidelines for Data Quality Assessment (EPA QA/R-5; QA/G-9; QA/G-5I EPA QA/G-4), the following control limits described were adopted:

1. A control limit of 50% for the RPD for original and blind / split replicate sample values greater than or equal to 5x the Detection Limit (DL);
2. A control limit of ± the DL, if either the sample or duplicate value is less than 5x the DL; and
3. If both samples values are less than the DL, the RPD is not calculated.

The following tables represent the Relative Percent Difference (RPD) values for the original and blind / split replicate samples collected during the investigation.

Table 10 - Comparison of original sample 13493-WAC1-TP10 and blind replicate 13493-WAC1-BR soil samples analysed by SLS, and 13493-WAC1-SR analysed by ALS.

Analyte	Detection Limit (mg/kg)	13493. WAC1.TP10 (mg/kg)	13493. WAC1.BR (mg/kg)	13493. WAC1.SR (mg/kg)	RPD, %	Level of Agreement	Validation Results
Arsenic	5	<5	<5	<5	-	GLA	Valid
Cadmium	0.3	<0.3	<0.3	<1	-	GLA	Valid
Chromium	5	5.8	6.2	6	-	GLA	Valid
Copper	5	<5	<5	<5	-	GLA	Valid
Lead	10	<10	45	7	-	GLA	**Invalid**
Mercury	0.2	<0.2	<0.2	<0.1	-	GLA	Valid
Nickel	10	<10	<10	4	-	GLA	Valid
Zinc	5	27	14	14	-	GLA	**Invalid**
Benzene	0.5	<0.5	<0.5	<0.2	-	GLA	Valid
Toluene	0.5	<0.5	<0.5	<0.5	-	GLA	Valid
Ethylbenzene	1	<1	<1	<0.5	-	GLA	Valid
Xylenes	3	<3	<3	<0.5	-	GLA	Valid
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.5	-	GLA	Valid
Total PAH	4.8	<4.8	<4.8	<0.5	-	GLA	Valid
TRH C_6-C_{10}	35	<35	<35	<10	-	GLA	Valid
TRH C_{10}-C_{16}	50	<50	<50	<50	-	GLA	Valid
TRH C_{16}-C_{34}	100	200	180	<100	-	GLA	Valid
TRH C_{34}-C_{40}	100	<100	<100	<100	-	GLA	Valid

Overall, the assessment variability of the blind replicate sample showed 16 valid values and 2 invalid values, with an overall completeness of 89%. ADE considers the two (2) 'Invalid' results to be due to slight variation in chemical composition. It is expected that some 'Invalid' QA/QC results may occur for replicate samples, and the two (2) 'Invalid' results are considered insignificant when assessing the data set in its entirety.

Table 11 - Comparison of original sample 13493-WAC2-TP10 and blind replicate 13493-WAC2-BR soil samples analysed by SLS, and 13493-WAC2-SR analysed by ALS.

Analyte	Detection Limit (mg/kg)	13493. WAC1.TP10 (mg/kg)	13493. WAC1.BR (mg/kg)	13493. WAC1.SR (mg/kg)	RPD, %	Level of Agreement	Validation Results
Arsenic	5	<5	<5	<5	-	GLA	Valid
Cadmium	0.3	<0.3	<0.3	<1	-	GLA	Valid
Chromium	5	8.5	6.2	10	-	GLA	Valid
Copper	5	<5	<5	<5	-	GLA	Valid
Lead	10	<10	45	32	-	GLA	Valid
Mercury	0.2	<0.2	<0.2	<0.1	-	GLA	Valid
Nickel	10	<10	<10	4	-	GLA	Valid
Zinc	5	14	14	16	-	GLA	Valid
Benzene	0.5	<0.5	<0.5	<0.2	-	GLA	Valid
Toluene	0.5	<0.5	<0.5	<0.5	-	GLA	Valid
Ethylbenzene	1	<1	<1	<0.5	-	GLA	Valid
Xylenes	3	<3	<3	<0.5	-	GLA	Valid
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.5	-	GLA	Valid
Total PAH	4.8	<4.8	<4.8	<0.5	-	GLA	Valid
TRH C_6-C_{10}	35	<35	<35	<10	-	GLA	Valid
TRH C_{10}-C_{16}	50	<50	<50	<50	-	GLA	Valid
TRH C_{16}-C_{34}	100	200	180	<100	-	GLA	Valid
TRH C_{34}-C_{40}	100	<100	<100	<100	-	GLA	Valid

Overall, the assessment variability of the blind replicate sample showed 18 valid values, with an overall completeness of 100% indicating a very good level of agreement.

9. CONCLUSIONS

Based on the data and evidence collected in the course of the investigation, it is the opinion of ADE that:

- The concentrations of heavy metals (M8) within the material are consistent with published background ranges for natural material;
- The concentrations of BTEX, PAHs, PCBs, OCPs, OPPs and Phenols in the subject materials were below the laboratory PQL;
- Trace levels of TRH C_{16}-C_{34} were detected within samples collected. The likely source of the hydrocarbons is heavy oils (lubricants) from machinery used in the extraction and transport of the spoil. The concentrations detected are below all conservative land use criteria as per NEPM 2013. As such, it is the opinion of ADE that the trace detections pose no risk to human health or the environment if re-used appropriately. ADE recommends regular check sampling of the material;
- No asbestos was observed within any of the test pits or detected within samples collected;
- Paint chips, sulfidic ores and hydrocarbon odours / staining were not observed within any of the materials inspected;
- The soil materials are considered to be generally slightly saline with 95% of samples collected falling within non-saline to slightly saline categories. ADE recommends regular check sampling is undertaken to ensure the salinity is consistent;
- The soil materials are considered to be non-aggressive to steel and non-aggressive to concrete;
- The subject materials are consistent with virgin material described in the local geology and soil landscape maps; and
- The subject material generally meets the criteria for the Resource Recovery Order under Part 9, Clause 93 of the Protection of the Environment Operations (Waste) Regulation 2014 – *'The WestConnex Stage 1B tunnel spoil order 2016'*;
- It is at the discretion of the receiving facility to determine whether the material is suitable for use within their site based on the information provided;
- The material being excavated and transported off-site must be from within the area shown in the attached figure, and must be consistent with the soil characterisation provided. If there are any unexpected finds that are not consistent with this classification, please contact ADE immediately on (02) 8541 7214.

10. REFERENCES

- *Waste Classification Guidelines - Part 1: Classifying Waste*, NSW EPA, November 2014.
- *Assessment of Site Contamination, National Environment Protection (Assessment of Site Contamination) Measure, 1999 (2013 Amendment).*
- *Guidelines for the NSW Site Auditor Scheme*, NSW DEC (NSW DECC), Second Edition, April 2006.
- *Schedule B1 Guideline on the Investigation Levels for Soil and Groundwater*, National Environmental Protection Measure (2013 Amendment).
- Australian Standard AS 4482.1 *Guide to the sampling and investigation of potentially contaminated soil. Part 1: Non-volatile and semi-volatile compounds.*
- *Chapman, G.A and Murphy, C.L. (1989), Soil Landscapes of the Sydney 1:100 000 sheet.* Soil Conservation Service of N.S.W., Sydney.
- *The Field Geologist's Manual, compiled by D A Berkman, Third Edition 1989. Publisher – The Australian Institute of Mining and Metallurgy.*
- *The WestConnex Stage 1B tunnel spoil exemption 2016.* NSW Environment Protection Authority, 2016.
- *The WestConnex Stage 1B tunnel spoil order 2016.* NSW Environment Protection Authority, 2016.

11. LIMITATIONS

This report has been prepared for the exclusive use of the client. ADE has used a degree of care and skill ordinarily exercised in similar investigations by reputable members of the environmental industry in Australia. No other warranty, expressed or implied, is made or intended. No one section or part of a section, of this report should be taken as giving an overall idea of this report. Each section must be read in conjunction with the whole of this report, including its appendices and attachments.

Any other party should satisfy themselves that the scope of work conducted and report herein meets their specific needs. ADE cannot be held liable for third party reliance on this document, as ADE is not aware of the specific needs of the third party.

The subsurface environment can present substantial uncertainty due to it complex heterogeneity. The conclusions presented in this report are based on limited investigation of conditions at specific sampling locations chosen to be as representative as possible under the given circumstances. However, it is possible that this investigation may not have encountered all areas of contamination at the site due to the limited sampling and testing program undertaken.

The material subject to classification pertains only to the site and subject area outlined within the report and must be consistent with the waste description reported. If there are any unexpected finds that are not consistent with this classification, ADE must be notified immediately.

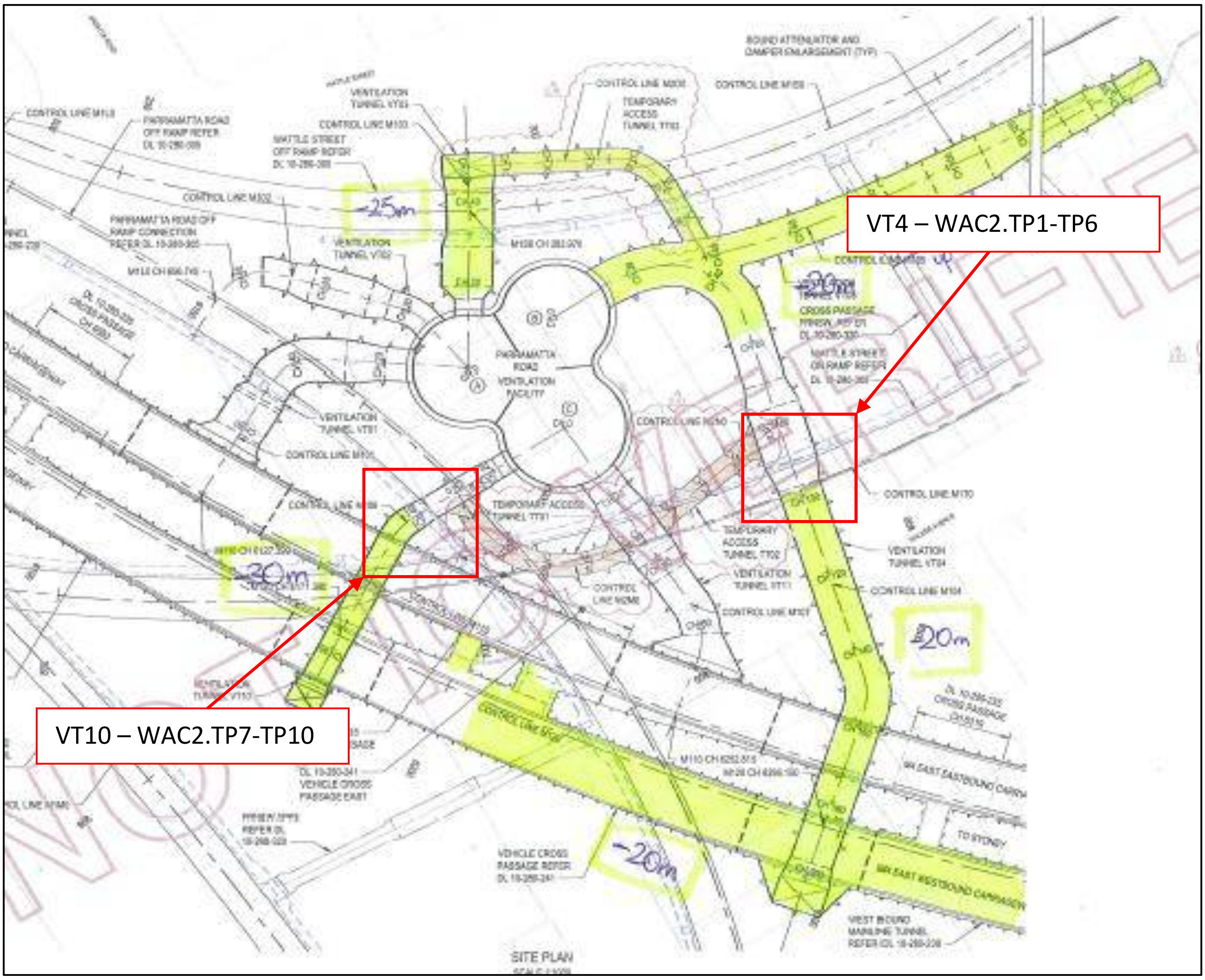
ADE's professional opinions are based upon its professional judgement, experience, training and results from analytical data. In some cases further testing and analysis may be required, thus producing different results and / or opinions. ADE has limited its investigation to the scope agreed upon with its client.

Reviewed by:
Santo Ragusa
Principal Scientist
Dr of Philosophy (App. Sci.)

Written by:
Alec Palmer
Environmental Consultant
B. Sci. (Environment)

APPENDIX I – AERIAL PHOTOGRAPH

Aerial Photograph 1 – Approximate location of subject stockpile within Acoustic Shed and sampling points undertaken on 22nd of January 2018 (map adapted from *Nearmap*; accessed 24.01.2018).



Aerial Photograph 2 – Map of approximate locations of subject material still to be excavated as part of ongoing tunneling operations and sampling locations on the 5th of February 2018 (map provided by the client).

APPENDIX II – PHOTOGRAPHS

Photograph 1 – Photograph of the subject stockpile (facing west) as observed on 22.01.2018.

Photograph 2 – Photograph of the subject material, as observed within test pit 2 on 22.01.2018.

Photograph 3 – Photograph of the subject material, as observed from VT10, 05.02.2018.

APPENDIX III – SUPPORTING DOCUMENTS

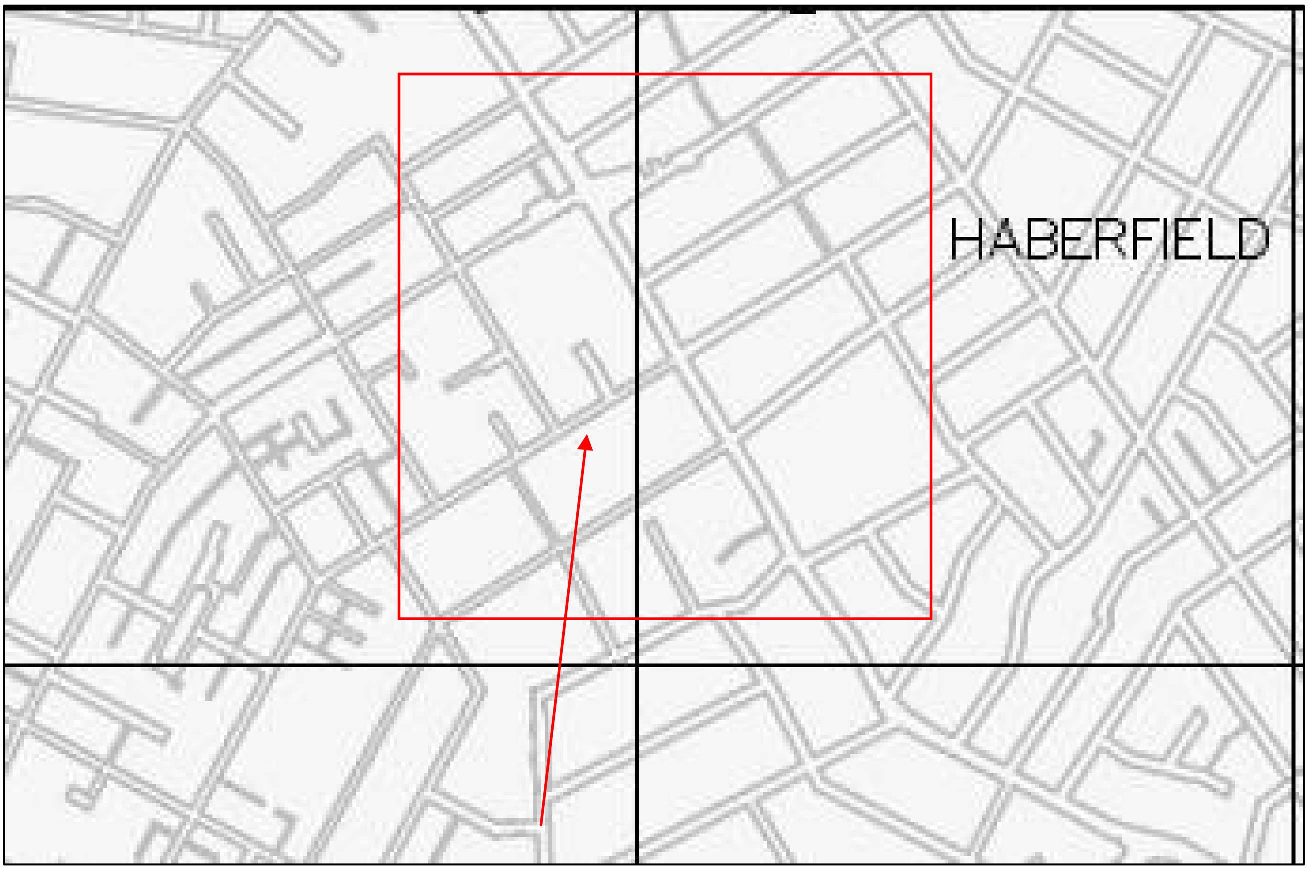
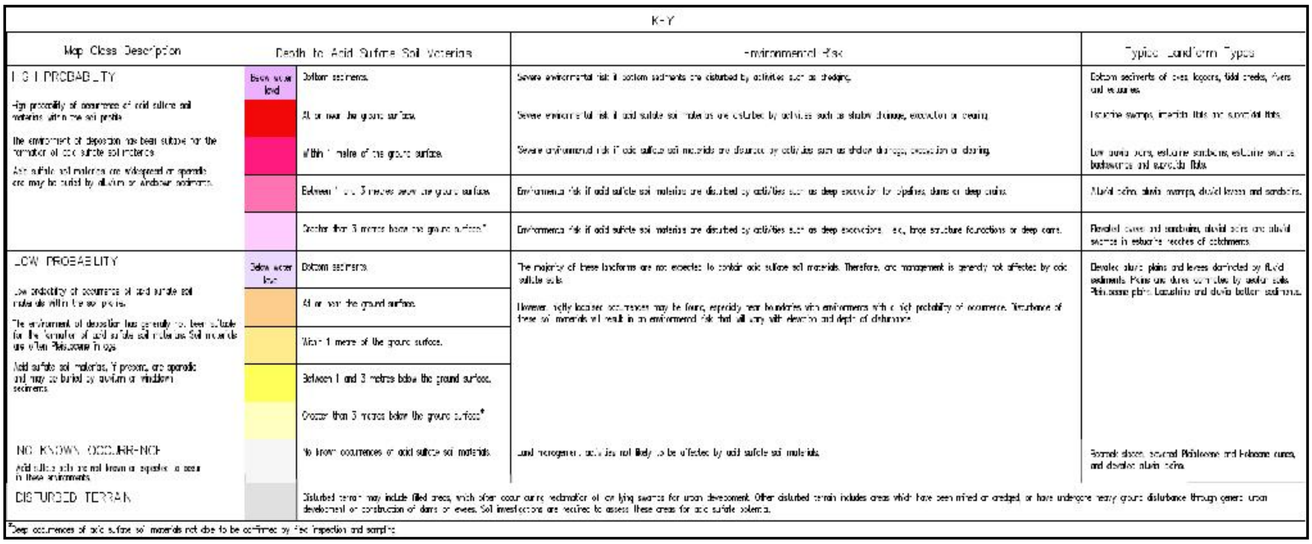


Figure 1. The Department of Land and Water Conservation – Acid Sulfate Soil Risk Map, Edition 2 indicating the potential for Acid Sulfate Soils (ASS) within the site. The site is identified as 'No Known Occurrence' with regards to ASS risk.

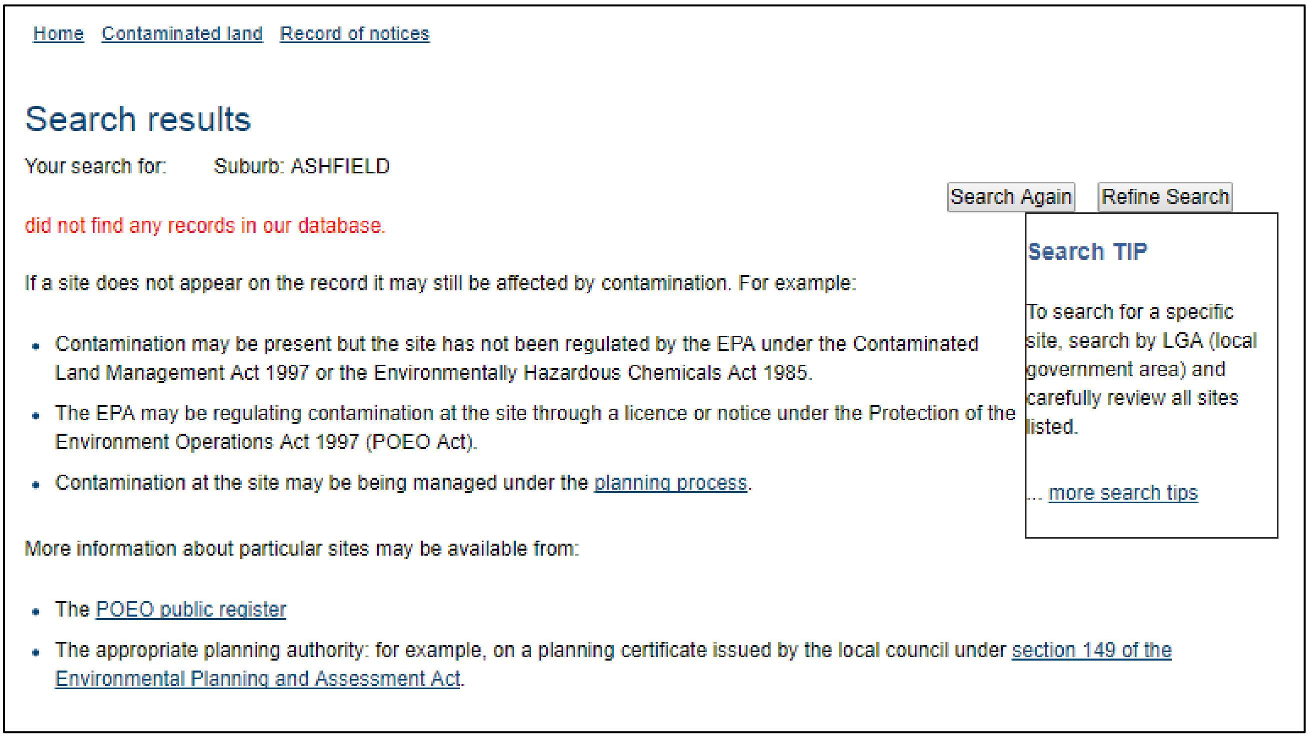


KEY

Map Class Description	Depth to Acid Sulfate Soil Materials		Environmental Risk	Typical Landform Types
HIGH PROBABILITY High probability of occurrence of acid sulfate soil materials within the soil profile. The environment of deposition has been suitable for the formation of acid sulfate soil materials. Acid sulfate soil materials are widespread or sporadic and may be buried by alluvium or windblown sediments.	🟪 Below water level	Bottom sediments.	Severe environmental risk if bottom sediments are disturbed by activities such as dredging.	Bottom sediments of bays, lagoons, tidal creeks, rivers and estuaries.
	🟥	At or near the ground surface.	Severe environmental risk if acid sulfate soil materials are disturbed by activities such as shallow drainage, excavation or clearing.	Estuarine swamps, intertidal flats and supratidal flats.
	🟥	Within 1 metre of the ground surface.	Severe environmental risk if acid sulfate soil materials are disturbed by activities such as shallow drainage, excavation or clearing.	Low alluvial plains, estuarine sandplains, estuarine swamps, backswamps and supratidal flats.
	🟥	Between 1 and 3 metres below the ground surface.	Environmental risk if acid sulfate soil materials are disturbed by activities such as deep excavation for pipelines, dams or deep drains.	Alluvial plains, alluvial swamps, alluvial levees and sandplains.
	🟪	Greater than 3 metres below the ground surface.*	Environmental risk if acid sulfate soil materials are disturbed by activities such as deep excavations, e.g., large structure foundations or deep drains.	Elevated dunes and sandplains, alluvial plains and alluvial swamps in estuarine reaches of catchments.
LOW PROBABILITY Low probability of occurrence of acid sulfate soil materials within the soil profile. The environment of deposition has generally not been suitable for the formation of acid sulfate soil materials. Soil materials are often Pleistocene in age. Acid sulfate soil materials, if present, are sporadic and may be buried by alluvium or windblown sediments.	🟪 Below water level	Bottom sediments.	The majority of these landforms are not expected to contain acid sulfate soil materials. Therefore, land management is generally not affected by acid sulfate soils. However, highly localised occurrences may be found, especially near boundaries with environments with a high probability of occurrence. Disturbance of these soil materials will result in an environmental risk that will vary with elevation and depth of disturbance.	Elevated alluvial plains and levees dominated by fluvial sediments. Plains and dunes dominated by aeolian soils. Pleistocene plains. Lacustrine and alluvial bottom sediments.
	🟧	At or near the ground surface.		
	🟨	Within 1 metre of the ground surface.		
	🟨	Between 1 and 3 metres below the ground surface.		
	🟨	Greater than 3 metres below the ground surface.*		
NO KNOWN OCCURRENCE Acid sulfate soils are not known or expected to occur in these environments.	⬜	No known occurrences of acid sulfate soil materials.	Land management activities not likely to be affected by acid sulfate soil materials.	Bedrock slopes, elevated Pleistocene and Holocene dunes, and elevated alluvial plains.
DISTURBED TERRAIN	⬜	Disturbed terrain may include filled areas, which often occur during reclamation of low lying swamps for urban development. Other disturbed terrain includes areas which have been mined or dredged, or have undergone heavy ground disturbance through general urban development or construction of dams or levees. Soil investigations are required to assess these areas for acid sulfate potential.		

*Deep occurrences of acid sulfate soil materials need also to be confirmed by field inspection and sampling

Figure 2. Key to The Department of Land and Water Conservation – Acid Sulfate Soil Risk Map, Edition 2.



Search results

Your search for: Suburb: ASHFIELD

did not find any records in our database.

If a site does not appear on the record it may still be affected by contamination. For example:

- Contamination may be present but the site has not been regulated by the EPA under the Contaminated Land Management Act 1997 or the Environmentally Hazardous Chemicals Act 1985.
- The EPA may be regulating contamination at the site through a licence or notice under the Protection of the Environment Operations Act 1997 (POEO Act).
- Contamination at the site may be being managed under the planning process.

More information about particular sites may be available from:

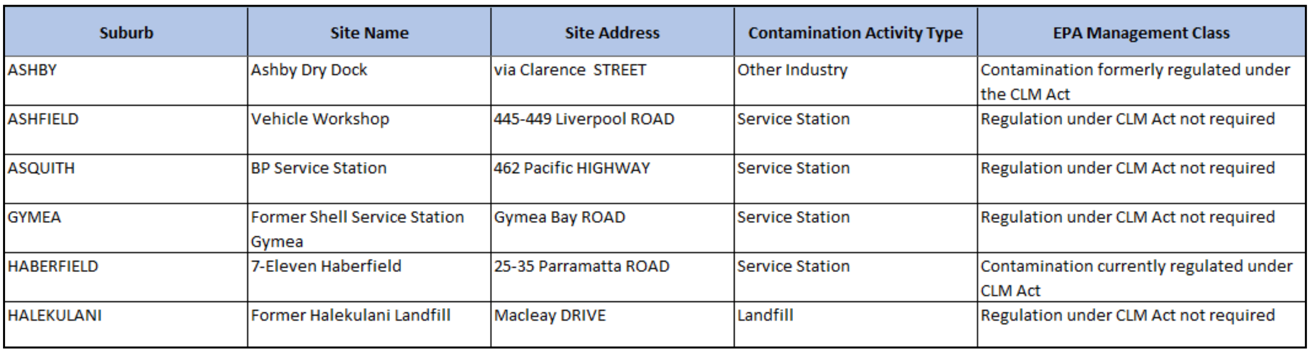
- The POEO public register
- The appropriate planning authority: for example, on a planning certificate issued by the local council under section 149 of the Environmental Planning and Assessment Act.

Search TIP

To search for a specific site, search by LGA (local government area) and carefully review all sites listed.

... more search tips

Figure 3 - Screen shot of the '*Contaminated Land – Record of Notices*' (screenshot taken from *epa.nsw.gov.au*; accessed on 08.02.2018).



Suburb	Site Name	Site Address	Contamination Activity Type	EPA Management Class
ASHBY	Ashby Dry Dock	via Clarence STREET	Other Industry	Contamination formerly regulated under the CLM Act
ASHFIELD	Vehicle Workshop	445-449 Liverpool ROAD	Service Station	Regulation under CLM Act not required
ASQUITH	BP Service Station	462 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required
GYMEA	Former Shell Service Station Gymea	Gymea Bay ROAD	Service Station	Regulation under CLM Act not required
HABERFIELD	7-Eleven Haberfield	25-35 Parramatta ROAD	Service Station	Contamination currently regulated under CLM Act
HALEKULANI	Former Halekulani Landfill	Macleay DRIVE	Landfill	Regulation under CLM Act not required

Figure 4 – Screenshot of the '*List of NSW Contaminated Sites Notified to the EPA*' (screenshot taken from *epa.nsw.gov.au*; accessed on 08.02.2018).

APPENDIX IV – ANALYTICAL REPORTS

Sydney Laboratory Services

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950
Unit 4/10-11 Millennium Court,
Silverwater 2128
Ph: (02) 9648-6669

Analysis report: WCX-03-13493-1

Customer:	A. D. Envirotech Australia Pty. Ltd.
Attention:	Ben Withnall & Alec Palmer

Sample Log In Details

Your reference:	WCX-03-13493-1
No. of Samples:	11
Date Received:	23.01.2018
Date completed instructions received:	23.01.2018
Date of analysis:	23-24.01.2018

Report Details

Report Date:	24.01.2018
Method number:**	ESA-ICP-01 ESA-ICP-02 ESA-P-ORG03 ESA-P-ORG07 ESA-P-ORG08 ESA-P-ORG09 ESA-P-ORG14 ESA-P-ORG15 ESA-P-12 ESA-P-21 ESA-P-16

Results Authorised By:

Dr Dominika Wojtalewicz (MRACI CCHEM)
Laboratory Manager/Chemist

Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

General Comments and Glossary

Tests not covered by NATA are denoted with *.

Samples are analysed on "as received" basis.

Samples were delivered chilled	**Yes**
Samples were preserved in correct manner	**Yes**
Sample containers for volatile analysis were received with minimal headspace	**Yes**
Samples were analysed within holding time	**Yes**
Some samples have been subcontracted	**No**

1. All samples are tested in batches of 20.
2. All results for soil samples are reported per gram of dry soil, unless otherwise stated.
3. However surrogate standards are added to samples due to PAH and BTEX analysis and recoveries are calculated, samples' results are not corrected for standards recoveries.
4. Analysis of VOC in water samples are performed on unfiltered waters (as received), spiked with surrogate
5. If heterogenous or insufficient material provided LCS is used as matrix spike for QA/QC purposes.
6. Duplicate sample and matrix spike recoveries may not be prepared on smaller jobs, however, were analysed at a frequency
7. QA/QC samples shown within the report that states the word "BATCH"; Batch Blank, Matrix Spike and Duplicate were prepared on samples from outside of reported job.

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surr. (Surrogate Spike): Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

INS: Insufficient sample for this test
>: Greater than
LCS: Laboratory Control Sample
NT: Not tested
<: Less than
RPD: Relative Percent Difference
NA: Test not required
PQL: Practical Quantitation Limit

Laboratory Acceptance Criteria

Matrix Spikes and LCS: Generally 70-130% for inorganics/metals, 60-140% for organics is acceptable.
Matrix heterogeneity may result in matrix spike analyses falling outside these limits.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:
Results <10 times the PQL : No Limit
Results between 10-20 times the PQL : RPD must lie between 0-50%
Results >20 times the PQL : RPD must lie between 0-30%
Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

Accreditation No.14664.
Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.
Tests not covered by NATA are denoted with *.

Methods Number Description:

ESA-MP-01	Determination of metals by MP-AES
ESA-MP-02	Digestion of soil samples for MP-AES analysis
ESA-MP-03	Preparation of water samples for metals determination by MP-AES
ESA-MP-04	TCLP for inorganic contaminants
ESA-MP-05	Digestion of paint and dust samples for lead content determination
ESA-MP-06	Digestion of air filters
ESA-MP-07	Digestion of swabs for determination of lead content in dust
ESA-P-ORG02	Analysis of PAHs by GC-MS
ESA-P-ORG03	Analysis of TRH and TPH by GC-FID
ESA-P-ORG04	Separatory funnel extraction of PAHs from water matrices including TCLP extracts
ESA-P-ORG05	Separatory funnel extraction of TRH and TPH from water matrices
ESA-P-ORG06	Silica gel clean up of soil and water extracts, prior analysis for STPH
ESA-P-ORG07	Extraction of BTEX and VTRX from soil matrices
ESA-P-ORG08	Analysis of soil extracts and waters by P&T GCMS
ESA-P-ORG09	Extraction of TRH from solid matrices
ESA-P-ORG14	Extraction of PCB (Aroclor) OCP OPP and PAH from soil matrices
ESA-P-ORG15	Analysis of PCB OCP OPP and PAH by GCMS
AS 1289.4.3.1	Determination of the pH value of a soil-Electrometric method
AS 1289.3.6.1	Determination of the particle size distribution of a soil - Standard method of analysis by sieving
T276	NSW RMS Test Method T 276 Foreign materials content of recycled crushed concrete
*Texture Assessment based on; Salinity Notes, Number 8, Oct 2000, ISSN 1 325-4448, "How to Texture soils & Test for Salinity"	
ESA-P-16	Procedure for measurement of Electrical Conductivity EC
ESA-P-12	Moisture by classical in-house method; **Procedure for gravimetric moisture determination**
ESA-ICP-01	Determination of metals by ICP-OES
ESA-ICP-02	Digestion of Soil samples for ICP-OES analysis
ESA-ICP-03	Preparation and analysis of leachates for inorganic contaminants (Method EPA 1311,AS 4439)
ESA-ICP-04	Digestion of paint
ESA-ICP-05	Digestion of Air Filters
ESA-ICP-06	Digestion of Swabs
ESA-P-21	Test method for determination of pH value

Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

Lab ID	PQL (mg/kg)	13493-C1	13493-C2	13493-C3	13493-C4	13493-C5
Sample Name		13493-WAC1.TP1	13493-WAC1.TP2	13493-WAC1.TP3	13493-WAC1.TP4	13493-WAC1.TP5
PAH						
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[b]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[k]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chrysene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
p-Terphenyl-d14	surr.	98%	94%	95%	98%	99%
OCPs						
aldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
a-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (lindane)	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDD	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDE	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDT	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
dieldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endosulfan I	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan II	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan sulfate	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endrin aldehyde	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin ketone	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor epoxide	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
hexachlorobenzene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methoxychlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TCMX	surr.	106%	103%	105%	104%	104%
OPPs						
chlorpyrifos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
chlorpyrifos methyl	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
diazinon	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
fenchlorphos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methyl parathion	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
prophos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tributylphosphorotrithioite	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB						
Aroclor 1016	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-fluorobiphenyl	surr.	85%	83%	88%	86%	85%

Lab ID	PQL (mg/kg)	13493-C1	13493-C2	13493-C3	13493-C4	13493-C5
Sample Name		13493-WAC1.TP1	13493-WAC1.TP2	13493-WAC1.TP3	13493-WAC1.TP4	13493-WAC1.TP5
TRH						
>C6-C10	35	<35	<35	<35	<35	<35
>C10-C16	50	<50	<50	<50	<50	<50
>C16-C34	100	120	<100	<100	<100	<100
>C34-C40	100	<100	<100	<100	<100	<100
BTEX						
Benzene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<1	<1	<1	<1	<1
m, p- Xylene(s)	2	<2	<2	<2	<2	<2
o-Xylene	1	<1	<1	<1	<1	<1
Fluorobenzene	surr.	99%	109%	99%	102%	111%
Metals						
Mercury	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Metals / ICP-OES						
Arsenic	5	<5	<5	<5	<5	<5
Cadmium	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium	5	5.4	5.7	6.0	6.9	8.2
Copper	5	<5	<5	<5	<5	<5
Nickel	10	<10	<10	<10	<10	<10
Lead	10	<10	<10	<10	11	11
Zinc	5	24	23	33	47	27
Moisture	%	10%	10%	9%	13%	8%
pH (average for 3 measurements)		9.8	9.0	8.6	9.0	8.4
EC	[dS/m]	0.175	0.109	0.100	0.088	0.095

Lab ID	PQL (mg/kg)	13493-C6	13493-C7	13493-C8	13493-C9	13493-C10	13493-C11
Sample Name		13493-WAC1.TP6	13493-WAC1.TP7	13493-WAC1.TP8	13493-WAC1.TP9	13493-WAC1.TP10	13493-WAC1.BR
PAH							
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[b]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[k]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chrysene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
p-Terphenyl-d14	surr.	98%	98%	98%	97%	96%	96%
OCPs							
aldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
a-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (lindane)	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDD	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDE	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDT	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
dieldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endosulfan I	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan II	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan sulfate	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endrin aldehyde	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin ketone	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor epoxide	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
hexachlorobenzene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methoxychlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TCMX	surr.	103%	104%	103%	103%	101%	100%
OPPs							
chlorpyrifos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
chlorpyrifos methyl	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
diazinon	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
fenchlorphos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methyl parathion	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
prophos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tributylphosphorotrithioite	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB							
Aroclor 1016	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-fluorobiphenyl	surr.	85%	88%	87%	85%	85%	83%

Lab ID	PQL (mg/kg)	13493-C6	13493-C7	13493-C8	13493-C9	13493-C10	13493-C11
Sample Name		13493-WAC1.TP6	13493-WAC1.TP7	13493-WAC1.TP8	13493-WAC1.TP9	13493-WAC1.TP10	13493-WAC1.BR
TRH							
>C6-C10	35	<35	<35	<35	<35	<35	<35
>C10-C16	50	<50	<50	<50	<50	<50	<50
>C16-C34	100	<100	<100	<100	<100	200	180
>C34-C40	100	<100	<100	<100	<100	<100	<100
BTEX							
Benzene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<1	<1	<1	<1	<1	<1
m, p- Xylene(s)	2	<2	<2	<2	<2	<2	<2
o-Xylene	1	<1	<1	<1	<1	<1	<1
Fluorobenzene	surr.	104%	104%	99%	103%	120%	102%
Metals							
Mercury	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Metals / ICP-OES							
Arsenic	5	<5	<5	<5	<5	<5	<5
Cadmium	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium	5	5.3	6.2	<5	<5	5.8	6.2
Copper	5	8.7	<5	<5	<5	<5	<5
Nickel	10	<10	<10	<10	<10	<10	<10
Lead	10	15	<10	<10	<10	<10	45
Zinc	5	23	15	13	22	27	14
Moisture	%	15%	10%	8%	5%	6%	7%
pH (average for 3 measurements)		10.0	9.6	8.2	8.2	9.4	NT
EC	[dS/m]	0.195	0.166	0.083	0.125	0.569	NT

Lab ID	PQL (mg/kg)	Blank 1	Blank spike 1	Matrix spike 1	Duplicate 1-Value 1	Duplicate 1-Value 2	Duplicate 1
Sample Name							
PAH							
Acenaphthene	0.3	<0.3	92%	92%	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	94%	93%	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	85%	87%	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	90%	90%	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	85%	85%	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	86%	88%	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.		84%	89%	94%	90%	
OCPs							
aldrin	0.1	<0.1	83%	85%	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	63%	65%	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	90%	91%	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
TCMX	surr.		92%	93%	103%	102%	
OPPs							
chlorpyrifos	0.1	<0.1	85%	86%	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	73%	73%	<0.1	<0.1	ACCEPT
fenchlorphos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
PCB							
Aroclor 1016	0.5	<0.5	85%	89%	<0.5	<0.5	ACCEPT
Aroclor 1221	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1232	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1242	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1248	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1254	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1260	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
2-fluorobiphenyl	surr.		80%	82%	83%	84%	

Lab ID	PQL (mg/kg)	Blank 1	Blank spike 1	Matrix spike 1	Duplicate 1-Value 1	Duplicate 1-Value 2	Duplicate 1
Sample Name							
TRH							
>C6-C10	35	<35	NT	NT	<35	<35	ACCEPT
>C10-C16	50	<50	106%	102%	<50	<50	ACCEPT
>C16-C34	100	<100	NT	NT	<100	<100	ACCEPT
>C34-C40	100	<100	NT	NT	<100	<100	ACCEPT
BTEX							
Benzene	0.5	<0.5	128%	101%	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	119%	93%	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	115%	89%	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	116%	90%	<2	<2	ACCEPT
o-Xylene	1	<1	116%	89%	<1	<1	ACCEPT
Fluorobenzene	surr.		130%	107%	109%	108%	
Metals							
Mercury	0.2	<0.2	101%	113%	<0.2	<0.2	ACCEPT
Metals / ICP-OES							
Arsenic	5	<5	90%	91%	<5	<5	ACCEPT
Cadmium	0.3	<0.3	88%	95%	<0.3	<0.3	ACCEPT
Chromium	5	<5	91%	89%	5.7	6.4	ACCEPT
Copper	5	<5	96%	94%	<5	<5	ACCEPT
Nickel	10	<10	92%	87%	<10	<10	ACCEPT
Lead	10	<10	99%	94%	<10	11	ACCEPT
Zinc	5	<5	91%	88%	23	56	FAIL
Moisture	%						
pH (average for 3 measurements)							
EC	[dS/m]						

Lab ID	PQL (mg/kg)	Duplicate 2-Value 1	Duplicate 2-Value 2	Duplicate 2
Sample Name				
PAH				
Acenaphthene	0.3	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.	96%	93%	
OCPs				
aldrin	0.1	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	<0.1	ACCEPT
TCMX	surr.	100%	100%	
OPPs				
chlorpyrifos	0.1	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	<0.1	ACCEPT
fenchlorphos	0.1	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	<0.1	ACCEPT
PCB				
Aroclor 1016	0.5	<0.5	<0.5	ACCEPT
Aroclor 1221	0.5	<0.5	<0.5	ACCEPT
Aroclor 1232	0.5	<0.5	<0.5	ACCEPT
Aroclor 1242	0.5	<0.5	<0.5	ACCEPT
Aroclor 1248	0.5	<0.5	<0.5	ACCEPT
Aroclor 1254	0.5	<0.5	<0.5	ACCEPT
Aroclor 1260	0.5	<0.5	<0.5	ACCEPT
2-fluorobiphenyl	surr.	83%	84%	

Lab ID	PQL (mg/kg)	Duplicate 2- Value 1	Duplicate 2- Value 2	Duplicate 2
Sample Name				
TRH				
>C6-C10	35	<35	<35	ACCEPT
>C10-C16	50	<50	<50	ACCEPT
>C16-C34	100	180	440	ACCEPT
>C34-C40	100	<100	110	ACCEPT
BTEX				
Benzene	0.5	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	<2	ACCEPT
o-Xylene	1	<1	<1	ACCEPT
Fluorobenzene	surr.	103%	102%	
Metals				
Mercury	0.2	<0.2	<0.2	ACCEPT
Metals / ICP-OES				
Arsenic	5	<5	<5	ACCEPT
Cadmium	0.3	<0.3	<0.3	ACCEPT
Chromium	5	6.2	6.0	ACCEPT
Copper	5	<5	<5	ACCEPT
Nickel	10	<10	<10	ACCEPT
Lead	10	45	<10	ACCEPT
Zinc	5	14	17	ACCEPT
Moisture	%			
pH (average for 3 measurements)				
EC	[dS/m]			

Comments:
FAIL caused by inhomogenous matrix

Sydney Laboratory Services

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950
Unit 4/10-11 Millennium Court,
Silverwater 2128
Ph: (02) 9648-6669

Analysis report: WCX-03-13493-1 (Silica Gel Clean Up)

Customer:	A. D. Envirotech Australia Pty. Ltd.
Attention:	Ben Withnall & Alec Palmer

Sample Log In Details

Your reference:	WCX-03-13493-1 (Silica Gel Clean Up)
No. of Samples:	3
Date Received:	25.01.2018
Date completed instructions received:	25.01.2018
Date of analysis:	25.01.2018

Report Details

Report Date:	25.01.2018
Method number**:	ESA-P-ORG03
	ESA-P-ORG06
	ESA-P-12

Results Authorised By:

Wojtalewicz

Dr Dominika Wojtalewicz (MRACI CCHEM)
Laboratory Manager/Chemist

Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

General Comments and Glossary

Tests not covered by NATA are denoted with *.

Samples are analysed on "as received" basis.

Samples were delivered chilled	**Yes**
Samples were preserved in correct manner	**Yes**
Sample containers for volatile analysis were received with minimal headspace	**Yes**
Samples were analysed within holding time	**Yes**
Some samples have been subcontracted	**No**

1. All samples are tested in batches of 20.
2. All results for soil samples are reported per gram of dry soil, unless otherwise stated.
3. However surrogate standards are added to samples due to PAH and BTEX analysis and recoveries are calculated, samples' results are not corrected for standards recoveries.
4. Analysis of VOC in water samples are performed on unfiltered waters (as received), spiked with surrogate
5. If heterogenous or insufficient material provided LCS is used as matrix spike for QA/QC purposes.
6. Duplicate sample and matrix spike recoveries may not be prepared on smaller jobs, however, were analysed at a frequency
7. QA/QC samples shown within the report that states the word "BATCH"; Batch Blank, Matrix Spike and Duplicate were prepared on samples from outside of reported job.

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surr. (Surrogate Spike): Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

INS: Insufficient sample for this test
>: Greater than
LCS: Laboratory Control Sample
NT: Not tested
<: Less than
RPD: Relative Percent Difference
NA: Test not required
PQL: Practical Quantitation Limit

Laboratory Acceptance Criteria

Matrix Spikes and LCS: Generally 70-130% for inorganics/metals, 60-140% for organics is acceptable.
Matrix heterogeneity may result in matrix spike analyses falling outside these limits.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:
Results <10 times the PQL : No Limit
Results between 10-20 times the PQL : RPD must lie between 0-50%
Results >20 times the PQL : RPD must lie between 0-30%
Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

Accreditation No.14664.
Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.
Tests not covered by NATA are denoted with *.

Methods Number Description:

ESA-MP-01	Determination of metals by MP-AES
ESA-MP-02	Digestion of soil samples for MP-AES analysis
ESA-MP-03	Preparation of water samples for metals determination by MP-AES
ESA-MP-04	TCLP for inorganic contaminants
ESA-MP-05	Digestion of paint and dust samples for lead content determination
ESA-MP-06	Digestion of air filters
ESA-MP-07	Digestion of swabs for determination of lead content in dust
ESA-P-ORG02	Analysis of PAHs by GC-MS
ESA-P-ORG03	Analysis of TRH and TPH by GC-FID
ESA-P-ORG04	Separatory funnel extraction of PAHs from water matrices including TCLP extracts
ESA-P-ORG05	Separatory funnel extraction of TRH and TPH from water matrices
ESA-P-ORG06	Silica gel clean up of soil and water extracts, prior analysis for STPH
ESA-P-ORG07	Extraction of BTEX and VTRX from soil matrices
ESA-P-ORG08	Analysis of soil extracts and waters by P&T GCMS
ESA-P-ORG09	Extraction of TRH from solid matrices
ESA-P-ORG14	Extraction of PCB (Aroclor) OCP OPP and PAH from soil matrices
ESA-P-ORG15	Analysis of PCB OCP OPP and PAH by GCMS
AS 1289.4.3.1	Determination of the pH value of a soil-Electrometric method
AS 1289.3.6.1	Determination of the particle size distribution of a soil - Standard method of analysis by sieving
T276	NSW RMS Test Method T 276 Foreign materials content of recycled crushed concrete

*Texture Assessment based on; Salinity Notes, Number 8, Oct 2000, ISSN 1 325-4448, "How to Texture soils & Test for Salinity"

ESA-P-16	Procedure for measurement of Electrical Conductivity EC
ESA-P-12	Moisture by classical in-house method; **Procedure for gravimetric moisture determination**
ESA-ICP-01	Determination of metals by ICP-OES
ESA-ICP-02	Digestion of Soil samples for ICP-OES analysis
ESA-ICP-03	Preparation and analysis of leachates for inorganic contaminants (Method EPA 1311,AS 4439)
ESA-ICP-04	Digestion of paint
ESA-ICP-05	Digestion of Air Filters
ESA-ICP-06	Digestion of Swabs
ESA-P-21	Test method for determination of pH value

Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

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Lab ID	PQL (mg/kg)	13493-C1	13493-C10	13493-C11
Sample Name		13493-WAC1.TP1	13493-WAC1.TP10	13493-WAC1.BR
TPH (Silica Gel Clean Up)				
>C10-C16	50	<50	<50	<50
>C16-C34	100	120	190	170
>C34-C40	100	<100	<100	<100
Moisture	%	10%	6%	7%

Lab ID	PQL (mg/kg)	Batch Blank 1	Batch Blank spike 1	Batch Matrix spike 1	Batch Duplicate 1-Value 1	Batch Duplicate 1-Value 2	Batch Duplicate 1
Sample Name							
TPH (Silica Gel Clean Up)							
>C10-C16	50	<50	106%	102%	<50	<50	ACCEPT
>C16-C34	100	<100	NT	NT	<100	<100	ACCEPT
>C34-C40	100	<100	NT	NT	<100	<100	ACCEPT
Moisture	%						

Lab ID	PQL (mg/kg)	Batch Duplicate 2-Value 1	Batch Duplicate 2-Value 2	Batch Duplicate 2
Sample Name				
TPH (Silica Gel Clean Up)				
>C10-C16	50	<50	<50	ACCEPT
>C16-C34	100	180	440	ACCEPT
>C34-C40	100	<100	110	ACCEPT
Moisture	%			

Sydney Laboratory Services

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950
Unit 4/10-11 Millennium Court,
Silverwater 2128
Ph: (02) 9648-6669

Analysis report: WCX-03-13493 ASB 1

Date Received:	23.01.2018
Date Analysed:	24.01.2018
Report Date:	24.01.2018
Client:	CSJJV M4E
Job Location:	Northcote Tunnel, Ashfield NSW
Analytical method:	AS 4964-2004 "Method for the qualitative identification of asbestos in bulk samples" in conjunction with AD Envirotech's ABI Methods for Polarised Light Microscopy with dispersion staining

Analysis performed by:

ZhengLiu

Zheng Liu
Approved asbestos identifier

Results Authorised By:

Lili Shi
Approved Signatory

Accreditation No.14664.
Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Tests not covered by NATA are denoted with *.

General Comments:

All samples are analysed as received.
Sampling performed by AD Envirotech is not covered by NATA scope.
Samples are stored for period of 3 months.
Due to the difficulty of estimating the load on the swab the test is carried out for presence or absence of asbestos only.
[1] Independent confirming technique such as infrared spectroscopy, X-ray diffraction, scanning or transmission electron microscopy is advised.

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Tests not covered by NATA are denoted with *.

Laboratory Sample No.	Sample Description/Matrix	Sample Dimensions (cm) unless stated otherwise	Result	Comments
13493-Asb1	Soil / WAC1.TP1	111 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
13493-Asb2	Soil / WAC1.TP2	123 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
13493-Asb3	Soil / WAC1.TP3	141 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
13493-Asb4	Soil / WAC1.TP4	153 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
13493-Asb5	Soil / WAC1.TP5	137 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
13493-Asb6	Soil / WAC1.TP6	139 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
13493-Asb7	Soil / WAC1.TP7	174 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil

Laboratory Sample No.	Sample Description/Matrix	Sample Dimensions (cm) unless stated otherwise	Result	Comments
13493-Asb8	Soil / WAC1.TP8	130 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
13493-Asb9	Soil / WAC1.TP9	100 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil
13493-Asb10	Soil / WAC1.TP10	125 grams	No Chrysotile asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Amosite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Crocidolite asbestos found at reporting limit of 0.1 g/kg.	Nil
			No Synthetic Mineral Fibres found	Nil
			Organic fibres found	Nil

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **ES1802744**	Page	: 1 of 2
Client	: **ADE Consulting Group Pty Ltd**	Laboratory	: Environmental Division Sydney
Contact	: MR BEN WITHNALL	Contact	: Customer Services ES
Address	: 6/7 MILLENIUM COURT SILVERWATER NSW 2128	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: 02 8541 7214	Telephone	: +61-2-8784 8555
Project	: WCX-03-13493	Date Samples Received	: 23-Jan-2018 15:00
Order number	: ----	Date Analysis Commenced	: 24-Jan-2018
C-O-C number	: ----	Issue Date	: 30-Jan-2018 11:19
Sampler	: ALEC PALMER		
Site	: ----		
Quote number	: EN/097/17		
No. of samples received	: 5		
No. of samples analysed	: 5		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Ankit Joshi	Inorganic Chemist	Sydney Inorganics, Smithfield, NSW
Celine Conceicao	Senior Spectroscopist	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

Analytical Results

Sub-Matrix: **SOIL**
(Matrix: **SOIL)**

			Client sample ID	**13493.WAC1.TP1**	**13493.WAC1.TP3**	**13493.WAC1.TP5**	**13493.WAC1.TP7**	**13493.WAC1.TP9**
			Client sampling date / time	22-Jan-2018 00:00	22-Jan-2018 00:00	22-Jan-2018 00:00	22-Jan-2018 00:00	22-Jan-2018 00:00
Compound	*CAS Number*	*LOR*	*Unit*	**ES1802744-001**	**ES1802744-002**	**ES1802744-003**	**ES1802744-004**	**ES1802744-005**
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	1.0	%	**13.9**	**15.0**	**10.5**	**10.8**	**5.6**
ED040S : Soluble Sulfate by ICPAES								
Sulfate as SO4 2-	14808-79-8	10	mg/kg	**50**	**40**	**40**	**20**	**30**
ED045G: Chloride by Discrete Analyser								
Chloride	16887-00-6	10	mg/kg	**240**	**200**	**170**	**190**	**330**
EP035G: Total Phenol by Discrete Analyser								
Phenols (Total)	----	1	mg/kg	<1	<1	<1	----	----

ALS Environmental

CERTIFICATE OF ANALYSIS

Work Order	: **ES1802732**	Page	: 1 of 8
Client	: **ADE Consulting Group Pty Ltd**	Laboratory	: Environmental Division Sydney
Contact	: MR BEN WITHNALL	Contact	: Customer Services ES
Address	: 6/7 MILLENIUM COURT SILVERWATER NSW 2128	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: 02 8541 7214	Telephone	: +61-2-8784 8555
Project	: WCX-03-13493	Date Samples Received	: 23-Jan-2018 15:00
Order number	: ----	Date Analysis Commenced	: 23-Jan-2018
C-O-C number	: ----	Issue Date	: 24-Jan-2018 18:22
Sampler	: ALEC PALMER		
Site	: ----		
Quote number	: EN/097/17		
No. of samples received	: 1		
No. of samples analysed	: 1		

NATA
Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Ivan Taylor	Analyst	Sydney Inorganics, Smithfield, NSW
Sanjeshni Jyoti	Senior Chemist Volatiles	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.

Analytical Results

Sub-Matrix: **SOIL** (Matrix: **SOIL**)			*Client sample ID*	**13493.WAC1.SR**	----	----	----	----
			Client sampling date / time	22-Jan-2018 00:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**ES1802732-001**	--------	--------	--------	--------
				Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	1.0	%	**7.7**	----	----	----	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	<5	----	----	----	----
Cadmium	7440-43-9	1	mg/kg	<1	----	----	----	----
Chromium	7440-47-3	2	mg/kg	**6**	----	----	----	----
Copper	7440-50-8	5	mg/kg	<5	----	----	----	----
Lead	7439-92-1	5	mg/kg	**7**	----	----	----	----
Nickel	7440-02-0	2	mg/kg	**4**	----	----	----	----
Zinc	7440-66-6	5	mg/kg	**14**	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	----	----	----	----
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	----	----	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	----	----	----	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	----	----	----	----
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	----	----	----	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	----	----	----	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	----	----	----	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	----	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	----	----	----	----
^ **Total Chlordane (sum)**	----	0.05	mg/kg	<0.05	----	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	----	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	----	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	----	----	----	----
Dieldrin	60-57-1	0.05	mg/kg	<0.05	----	----	----	----
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	----	----	----	----
Endrin	72-20-8	0.05	mg/kg	<0.05	----	----	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	----	----	----	----
^ **Endosulfan (sum)**	115-29-7	0.05	mg/kg	<0.05	----	----	----	----
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	----	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	----	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	----	----	----	----

Analytical Results

Sub-Matrix: **SOIL** (Matrix: **SOIL**)			Client sample ID	**13493.WAC1.SR**	**----**	**----**	**----**	**----**
			Client sampling date / time	22-Jan-2018 00:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**ES1802732-001**	**--------**	**--------**	**--------**	**--------**
				Result	----	----	----	----
EP068A: Organochlorine Pesticides (OC) - Continued								
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	----	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	----	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	----	----	----	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.05	mg/kg	<0.05	----	----	----	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.05	mg/kg	<0.05	----	----	----	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	----	----	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	----	----	----	----
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	----	----	----	----
Dimethoate	60-51-5	0.05	mg/kg	<0.05	----	----	----	----
Diazinon	333-41-5	0.05	mg/kg	<0.05	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	----	----	----	----
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	----	----	----	----
Malathion	121-75-5	0.05	mg/kg	<0.05	----	----	----	----
Fenthion	55-38-9	0.05	mg/kg	<0.05	----	----	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	----	----	----	----
Parathion	56-38-2	0.2	mg/kg	<0.2	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	----	----	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	----	----	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	----	----	----	----
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	----	----	----	----
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	----	----	----	----
Ethion	563-12-2	0.05	mg/kg	<0.05	----	----	----	----
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	----	----	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	----	----	----	----
EP075(SIM)A: Phenolic Compounds								
Phenol	108-95-2	0.5	mg/kg	<0.5	----	----	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	----	----	----	----
2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	----	----	----	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg	<1	----	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	----	----	----	----
2.4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	----	----	----	----
2.4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	----	----	----	----
2.6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: **SOIL** (Matrix: **SOIL)**			Client sample ID	**13493.WAC1.SR**	**----**	**----**	**----**	**----**
			Client sampling date / time	22-Jan-2018 00:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**ES1802732-001**	--------	--------	--------	--------
				Result	----	----	----	----
EP075(SIM)A: Phenolic Compounds - Continued								
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	----	----	----	----
2.4.6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	----	----	----	----
2.4.5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	----	----	----	----
Pentachlorophenol	87-86-5	2	mg/kg	<2	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	----	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	----	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	----	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	----	----	----
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	----	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	----	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	----	----	----	----
^ **Sum of polycyclic aromatic hydrocarbons**	----	0.5	mg/kg	<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (zero)**	----	0.5	mg/kg	<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (half LOR)**	----	0.5	mg/kg	**0.6**	----	----	----	----
^ **Benzo(a)pyrene TEQ (LOR)**	----	0.5	mg/kg	**1.2**	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	----	----	----	----
C10 - C14 Fraction	----	50	mg/kg	<50	----	----	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	----	----	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	----	----	----	----
^ **C10 - C36 Fraction (sum)**	----	50	mg/kg	<50	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	----	----	----	----

Analytical Results

Sub-Matrix: **SOIL**
(Matrix: **SOIL**)

			Client sample ID	**13493.WAC1.SR**	**----**	**----**	**----**	**----**
			Client sampling date / time	22-Jan-2018 00:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**ES1802732-001**	**--------**	**--------**	**--------**	**--------**
				Result	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions - Continued								
^ **C6 - C10 Fraction minus BTEX (F1)**	C6_C10-BTEX	10	mg/kg	<10	----	----	----	----
>C10 - C16 Fraction	----	50	mg/kg	<50	----	----	----	----
>C16 - C34 Fraction	----	100	mg/kg	<100	----	----	----	----
>C34 - C40 Fraction	----	100	mg/kg	<100	----	----	----	----
^ **>C10 - C40 Fraction (sum)**	----	50	mg/kg	<50	----	----	----	----
^ **>C10 - C16 Fraction minus Naphthalene (F2)**	----	50	mg/kg	<50	----	----	----	----
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	----	----	----	----
Toluene	108-88-3	0.5	mg/kg	<0.5	----	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	----	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	----	----	----	----
^ **Sum of BTEX**	----	0.2	mg/kg	<0.2	----	----	----	----
^ **Total Xylenes**	----	0.5	mg/kg	<0.5	----	----	----	----
Naphthalene	91-20-3	1	mg/kg	<1	----	----	----	----
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	**119**	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	**104**	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	**99.6**	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	**103**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%	**88.9**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%	**63.7**	----	----	----	----
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	**81.6**	----	----	----	----
Anthracene-d10	1719-06-8	0.5	%	**83.4**	----	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%	**87.8**	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	**85.0**	----	----	----	----
Toluene-D8	2037-26-5	0.2	%	**94.6**	----	----	----	----

Analytical Results

Sub-Matrix: **SOIL** (Matrix: **SOIL**)			*Client sample ID*	**13493.WAC1.SR**	**----**	**----**	**----**	**----**
			Client sampling date / time	22-Jan-2018 00:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**ES1802732-001**	**--------**	**--------**	**--------**	**--------**
				Result	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates - Continued								
4-Bromofluorobenzene	460-00-4	0.2	%	**96.5**	**----**	**----**	**----**	**----**

Surrogate Control Limits

Sub-Matrix: **SOIL**

Compound	*CAS Number*	*Recovery Limits (%)* Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	39	149
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	49	147
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	35	143
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2.4.6-Tribromophenol	118-79-6	40	138
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	73	133
Toluene-D8	2037-26-5	74	132
4-Bromofluorobenzene	460-00-4	72	130

Sydney Laboratory Services

A division of A. D. Envirotech Australia Pty Ltd A.C.N. 093 452 950
Unit 4/10-11 Millennium Court,
Silverwater 2128
Ph: (02) 9648-6669

Analysis report: WCX-03-13493-2

Customer: A. D. Envirotech Australia Pty. Ltd.
Attention: Ben Withnall & Alec Palmer

Sample Log In Details

Your reference:	WCX-03-13493-2
No. of Samples:	11
Date Received:	05.02.2018
Date completed instructions received:	05.02.2018
Date of analysis:	05-07.02.2018

Report Details

Report Date:	07.02.2018
Method number:**	ESA-MP-01 ESA-MP-02 ESA-P-ORG03 ESA-P-ORG07 ESA-P-ORG08 ESA-P-ORG09 ESA-P-ORG14 ESA-P-ORG15 ESA-P-12 ESA-P-21 ESA-P-16

Results Authorised By:

Wojtalewicz

Dr Dominika Wojtalewicz (MRACI CCHEM)
Laboratory Manager/Chemist

Accreditation No.14664.
Accredited for compliance with ISO/IEC 17025.
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.
Tests not covered by NATA are denoted with *.

General Comments and Glossary

Tests not covered by NATA are denoted with *.
Samples are analysed on "as received" basis.

Samples were delivered chilled	**Yes**
Samples were preserved in correct manner	**Yes**
Sample containers for volatile analysis were received with minimal headspace	**Yes**
Samples were analysed within holding time	**Yes**
Some samples have been subcontracted	**No**

1. All samples are tested in batches of 20.
2. All results for soil samples are reported per gram of dry soil, unless otherwise stated.
3. However surrogate standards are added to samples due to PAH and BTEX analysis and recoveries are calculated, samples' results are not corrected for standards recoveries.
4. Analysis of VOC in water samples are performed on unfiltered waters (as received), spiked with surrogate
5. If heterogenous or insufficient material provided LCS is used as matrix spike for QA/QC purposes.
6. Duplicate sample and matrix spike recoveries may not be prepared on smaller jobs, however, were analysed at a frequency
7. QA/QC samples shown within the report that states the word "BATCH"; Batch Blank, Matrix Spike and Duplicate were prepared on samples from outside of reported job.

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike: A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample): This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surr. (Surrogate Spike): Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

INS: Insufficient sample for this test
>: Greater than
LCS: Laboratory Control Sample
NT: Not tested
<: Less than
RPD: Relative Percent Difference
NA: Test not required
PQL: Practical Quantitation Limit

Laboratory Acceptance Criteria

Matrix Spikes and LCS: Generally 70-130% for inorganics/metals, 60-140% for organics is acceptable.
Matrix heterogeneity may result in matrix spike analyses falling outside these limits.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:
Results <10 times the PQL : No Limit
Results between 10-20 times the PQL : RPD must lie between 0-50%
Results >20 times the PQL : RPD must lie between 0-30%
Surrogate Recoveries : Recoveries must lie between 50-150% - Phenols 20-130%.

**Methods Number Description:

ESA-MP-01	Determination of metals by MP-AES
ESA-MP-02	Digestion of soil samples for MP-AES analysis
ESA-MP-03	Preparation of water samples for metals determination by MP-AES
ESA-MP-04	TCLP for inorganic contaminants
ESA-MP-05	Digestion of paint and dust samples for lead content determination
ESA-MP-06	Digestion of air filters
ESA-MP-07	Digestion of swabs for determination of lead content in dust
ESA-P-ORG02	Analysis of PAHs by GC-MS
ESA-P-ORG03	Analysis of TRH and TPH by GC-FID
ESA-P-ORG04	Separatory funnel extraction of PAHs from water matrices including TCLP extracts
ESA-P-ORG05	Separatory funnel extraction of TRH and TPH from water matrices
ESA-P-ORG06	Silica gel clean up of soil and water extracts, prior analysis for STPH
ESA-P-ORG07	Extraction of BTEX and VTRX from soil matrices
ESA-P-ORG08	Analysis of soil extracts and waters by P&T GCMS
ESA-P-ORG09	Extraction of TRH from solid matrices
ESA-P-ORG14	Extraction of PCB (Aroclor) OCP OPP and PAH from soil matrices
ESA-P-ORG15	Analysis of PCB OCP OPP and PAH by GCMS
AS 1289.4.3.1	Determination of the pH value of a soil-Electrometric method
AS 1289.3.6.1	Determination of the particle size distribution of a soil - Standard method of analysis by sieving
T276	NSW RMS Test Method T 276 Foreign materials content of recycled crushed concrete

*Texture Assessment based on; Salinity Notes, Number 8, Oct 2000, ISSN 1 325-4448, "How to Texture soils & Test for Salinity"

ESA-P-16	Procedure for measurement of Electrical Conductivity EC
ESA-P-12	Moisture by classical in-house method; **Procedure for gravimetric moisture determination**
ESA-ICP-01	Determination of metals by ICP-OES
ESA-ICP-02	Digestion of Soil samples for ICP-OES analysis
ESA-ICP-03	Preparation and analysis of leachates for inorganic contaminants (Method EPA 1311,AS 4439)
ESA-ICP-04	Digestion of paint
ESA-ICP-05	Digestion of Air Filters
ESA-ICP-06	Digestion of Swabs
ESA-P-21	Test method for determination of pH value

*pH FOX Test -Determination of Acid Sulfate Soils Field pH

Accreditation No.14664.

Accredited for compliance with ISO/IEC 17025.

The results of the tests, calibrations and/or
measurements included in this document are traceable
to Australian/national standards.

Tests not covered by NATA are denoted with *.

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Lab ID	PQL (mg/kg)	13493-C12	13493-C13	13493-C14	13493-C15	13493-C16
Sample Name		13493-WAC2.TP1	13493-WAC2.TP2	13493-WAC2.TP3	13493-WAC2.TP4	13493-WAC2.TP5
PAH						
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[b]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[k]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chrysene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
p-Terphenyl-d14	surr.	88%	89%	87%	93%	97%
OCPs						
aldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
a-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (lindane)	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDD	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDE	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDT	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
dieldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endosulfan I	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan II	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan sulfate	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endrin aldehyde	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin ketone	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor epoxide	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
hexachlorobenzene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methoxychlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TCMX	surr.	95%	93%	86%	90%	94%
OPPs						
chlorpyrifos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
chlorpyrifos methyl	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
diazinon	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
fenchlorphos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methyl parathion	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
prophos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tributylphosphorotrithioite	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB						
Aroclor 1016	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-fluorobiphenyl	surr.	86%	84%	82%	87%	90%

Lab ID	PQL (mg/kg)	13493-C12	13493-C13	13493-C14	13493-C15	13493-C16
Sample Name		13493-WAC2.TP1	13493-WAC2.TP2	13493-WAC2.TP3	13493-WAC2.TP4	13493-WAC2.TP5
TRH						
>C6-C10	35	<35	<35	<35	<35	<35
>C10-C16	50	<50	<50	<50	<50	<50
>C16-C34	100	<100	<100	100	<100	<100
>C34-C40	100	<100	<100	<100	<100	<100
BTEX						
Benzene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<1	<1	<1	<1	<1
m, p- Xylene(s)	2	<2	<2	<2	<2	<2
o-Xylene	1	<1	<1	<1	<1	<1
Fluorobenzene	surr.	111%	110%	110%	117%	114%
Metals						
Arsenic	5	6.6	5.8	6.8	<5	<5
Cadmium	0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium	5	8.8	6.5	7.7	5.6	<5
Copper	5	<5	<5	<5	<5	<5
Lead	10	<10	<10	<10	<10	<10
Mercury	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	10	<10	<10	<10	<10	<10
Zinc	5	13	12	17	10	7.5
Moisture	%	9%	7%	10%	10%	7%
pH (average for 3 measurements)		7.5	7.6	9.0	9.5	7.4
EC	[dS/m]	0.063	0.076	0.103	0.138	0.086

Lab ID	PQL (mg/kg)	13493-C17	13493-C18	13493-C19	13493-C20	13493-C21	13493-C22
Sample Name		13493-WAC2.TP6	13493-WAC2.TP7	13493-WAC2.TP8	13493-WAC2.TP9	13493-WAC2.TP10	13493-WAC2.BR
PAH							
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[a]pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[b]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Benzo[k]fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chrysene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Pyrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
p-Terphenyl-d14	surr.	91%	92%	95%	95%	99%	109%
OCPs							
aldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
a-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
b-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
d-BHC	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
g-BHC (lindane)	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-chlordane	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDD	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDE	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,4'-DDT	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
dieldrin	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endosulfan I	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan II	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endosulfan sulfate	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
endrin aldehyde	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
endrin ketone	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
heptachlor epoxide	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
hexachlorobenzene	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methoxychlor	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TCMX	surr.	87%	87%	92%	91%	96%	102%
OPPs							
chlorpyrifos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
chlorpyrifos methyl	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
diazinon	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
fenchlorphos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
methyl parathion	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
prophos	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
tributylphosphorotrithioite	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB							
Aroclor 1016	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-fluorobiphenyl	surr.	84%	82%	87%	85%	86%	95%

Lab ID	PQL (mg/kg)	13493-C17	13493-C18	13493-C19	13493-C20	13493-C21	13493-C22
Sample Name		13493-WAC2.TP6	13493-WAC2.TP7	13493-WAC2.TP8	13493-WAC2.TP9	13493-WAC2.TP10	13493-WAC2.BR
TRH							
>C6-C10	35	<35	<35	<35	<35	<35	<35
>C10-C16	50	<50	<50	<50	<50	<50	<50
>C16-C34	100	<100	<100	<100	<100	<100	<100
>C34-C40	100	<100	<100	<100	<100	<100	<100
BTEX							
Benzene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	1	<1	<1	<1	<1	<1	<1
m, p- Xylene(s)	2	<2	<2	<2	<2	<2	<2
o-Xylene	1	<1	<1	<1	<1	<1	<1
Fluorobenzene	surr.	121%	115%	114%	122%	114%	127%
Metals							
Arsenic	5	<5	6.1	<5	<5	<5	<5
Cadmium	0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium	5	<5	9.5	9.6	9.6	8.5	8.5
Copper	5	<5	<5	<5	<5	<5	<5
Lead	10	<10	<10	<10	<10	<10	<10
Mercury	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	10	<10	<10	<10	<10	<10	<10
Zinc	5	7.5	19	16	16	14	19
Moisture	%	7%	5%	6%	6%	6%	6%
pH (average for 3 measurements)		7.0	8.5	8.9	9.4	9.3	NT
EC	[dS/m]	0.093	0.136	0.167	0.187	0.169	NT

Lab ID	PQL (mg/kg)	Blank 1	Blank spike 1	Matrix spike 1	Duplicate 1-Value 1	Duplicate 1-Value 2	Duplicate 1
Sample Name							
PAH							
Acenaphthene	0.3	<0.3	98%	92%	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	103%	96%	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	95%	88%	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	NT	NT	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	99%	93%	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	96%	88%	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	96%	89%	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.		95%	90%	89%	88%	
OCPs							
aldrin	0.1	<0.1	94%	89%	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	NT	NT	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	79%	80%	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	100%	92%	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
TCMX	surr.		102%	96%	93%	99%	
OPPs							
chlorpyrifos	0.1	<0.1	95%	90%	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	78%	72%	<0.1	<0.1	ACCEPT
fenchlorphos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	NT	NT	<0.1	<0.1	ACCEPT
PCB							
Aroclor 1016	0.5	<0.5	83%	80%	<0.5	<0.5	ACCEPT
Aroclor 1221	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1232	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1242	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1248	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1254	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
Aroclor 1260	0.5	<0.5	NT	NT	<0.5	<0.5	ACCEPT
2-fluorobiphenyl	surr.		90%	83%	84%	87%	

Lab ID	PQL (mg/kg)	Blank 1	Blank spike 1	Matrix spike 1	Duplicate 1-Value 1	Duplicate 1-Value 2	Duplicate 1
Sample Name							
TRH							
>C6-C10	35	<35	NT	NT	<35	<35	ACCEPT
>C10-C16	50	<50	85%	79%	<50	<50	ACCEPT
>C16-C34	100	<100	NT	NT	<100	<100	ACCEPT
>C34-C40	100	<100	NT	NT	<100	<100	ACCEPT
BTEX							
Benzene	0.5	<0.5	103%	108%	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	98%	102%	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	94%	99%	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	95%	99%	<2	<2	ACCEPT
o-Xylene	1	<1	96%	99%	<1	<1	ACCEPT
Fluorobenzene	surr.		104%	105%	110%	121%	
Metals							
Arsenic	5	<5	97%	92%	5.8	6.2	ACCEPT
Cadmium	0.3	<0.3	95%	95%	<0.3	<0.3	ACCEPT
Chromium	5	<5	97%	86%	6.5	7.5	ACCEPT
Copper	5	<5	88%	94%	<5	<5	ACCEPT
Lead	10	<10	93%	88%	<10	<10	ACCEPT
Mercury	0.2	<0.2	89%	88%	<0.2	<0.2	ACCEPT
Nickel	10	<10	95%	91%	<10	<10	ACCEPT
Zinc	5	<5	88%	101%	12	14	ACCEPT
Moisture	%						
pH (average for 3 measurements)							
EC	[dS/m]						

Lab ID	PQL (mg/kg)	Duplicate 2-Value 1	Duplicate 2-Value 2	Duplicate 2
Sample Name				
PAH				
Acenaphthene	0.3	<0.3	<0.3	ACCEPT
Acenaphthylene	0.3	<0.3	<0.3	ACCEPT
Anthracene	0.3	<0.3	<0.3	ACCEPT
Benzo[a]anthracene	0.3	<0.3	<0.3	ACCEPT
Benzo[a]pyrene	0.3	<0.3	<0.3	ACCEPT
Benzo[b]fluoranthene	0.3	<0.3	<0.3	ACCEPT
Benzo[g,h,i]perylene	0.3	<0.3	<0.3	ACCEPT
Benzo[k]fluoranthene	0.3	<0.3	<0.3	ACCEPT
Chrysene	0.3	<0.3	<0.3	ACCEPT
Dibenzo[a,h]anthracene	0.3	<0.3	<0.3	ACCEPT
Fluoranthene	0.3	<0.3	<0.3	ACCEPT
Fluorene	0.3	<0.3	<0.3	ACCEPT
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	ACCEPT
Naphthalene	0.3	<0.3	<0.3	ACCEPT
Phenanthrene	0.3	<0.3	<0.3	ACCEPT
Pyrene	0.3	<0.3	<0.3	ACCEPT
p-Terphenyl-d14	surr.	109%	99%	
OCPs				
aldrin	0.1	<0.1	<0.1	ACCEPT
a-BHC	0.1	<0.1	<0.1	ACCEPT
b-BHC	0.1	<0.1	<0.1	ACCEPT
d-BHC	0.1	<0.1	<0.1	ACCEPT
g-BHC (lindane)	0.1	<0.1	<0.1	ACCEPT
cis-chlordane	0.1	<0.1	<0.1	ACCEPT
trans-chlordane	0.1	<0.1	<0.1	ACCEPT
4,4'-DDD	0.1	<0.1	<0.1	ACCEPT
4,4'-DDE	0.1	<0.1	<0.1	ACCEPT
4,4'-DDT	0.1	<0.1	<0.1	ACCEPT
dieldrin	0.1	<0.1	<0.1	ACCEPT
endosulfan I	0.2	<0.2	<0.2	ACCEPT
endosulfan II	0.2	<0.2	<0.2	ACCEPT
endosulfan sulfate	0.1	<0.1	<0.1	ACCEPT
endrin	0.2	<0.2	<0.2	ACCEPT
endrin aldehyde	0.1	<0.1	<0.1	ACCEPT
endrin ketone	0.1	<0.1	<0.1	ACCEPT
heptachlor	0.1	<0.1	<0.1	ACCEPT
heptachlor epoxide	0.1	<0.1	<0.1	ACCEPT
hexachlorobenzene	0.1	<0.1	<0.1	ACCEPT
methoxychlor	0.1	<0.1	<0.1	ACCEPT
TCMX	surr.	102%	95%	
OPPs				
chlorpyrifos	0.1	<0.1	<0.1	ACCEPT
chlorpyrifos methyl	0.1	<0.1	<0.1	ACCEPT
diazinon	0.1	<0.1	<0.1	ACCEPT
fenchlorphos	0.1	<0.1	<0.1	ACCEPT
methyl parathion	0.1	<0.1	<0.1	ACCEPT
prophos	0.1	<0.1	<0.1	ACCEPT
tributylphosphorotrithioite	0.1	<0.1	<0.1	ACCEPT
PCB				
Aroclor 1016	0.5	<0.5	<0.5	ACCEPT
Aroclor 1221	0.5	<0.5	<0.5	ACCEPT
Aroclor 1232	0.5	<0.5	<0.5	ACCEPT
Aroclor 1242	0.5	<0.5	<0.5	ACCEPT
Aroclor 1248	0.5	<0.5	<0.5	ACCEPT
Aroclor 1254	0.5	<0.5	<0.5	ACCEPT
Aroclor 1260	0.5	<0.5	<0.5	ACCEPT
2-fluorobiphenyl	surr.	95%	86%	

Lab ID	PQL (mg/kg)	Duplicate 2-Value 1	Duplicate 2-Value 2	Duplicate 2
Sample Name				
TRH				
>C6-C10	35	<35	<35	ACCEPT
>C10-C16	50	<50	<50	ACCEPT
>C16-C34	100	<100	<100	ACCEPT
>C34-C40	100	<100	<100	ACCEPT
BTEX				
Benzene	0.5	<0.5	<0.5	ACCEPT
Toluene	0.5	<0.5	<0.5	ACCEPT
Ethylbenzene	1	<1	<1	ACCEPT
m, p- Xylene(s)	2	<2	<2	ACCEPT
o-Xylene	1	<1	<1	ACCEPT
Fluorobenzene	surr.	113%	127%	
Metals				
Arsenic	5	<5	<5	ACCEPT
Cadmium	0.3	<0.3	<0.3	ACCEPT
Chromium	5	8.5	11	ACCEPT
Copper	5	<5	<5	ACCEPT
Lead	10	<10	<10	ACCEPT
Mercury	0.2	<0.2	<0.2	ACCEPT
Nickel	10	<10	<10	ACCEPT
Zinc	5	19	13	ACCEPT
Moisture	%			
pH (average for 3 measurements)				
EC	[dS/m]			

ALS Environmental

CERTIFICATE OF ACCREDITATION

Work Order	: **ES1803897**	Page	: 1 of 7
Client	: **ADE Consulting Group Pty Ltd**	Laboratory	: Environmental Division Sydney
Contact	: MR BEN WITHNALL	Contact	: Customer Services ES
Address	: 6/7 MILLENIUM COURT SILVERWATER NSW 2128	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: 02 8541 7214	Telephone	: +61-2-8784 8555
Project	: WCX-03-13493	Date Samples Received	: 05-Feb-2018 16:45
Order number	: ----	Date Analysis Commenced	: 06-Feb-2018
C-O-C number	: PM-F-07b1a	Issue Date	: 07-Feb-2018 15:48
Sampler	: ALEC PALMER		
Site	: ----		
Quote number	: EN/097/17		
No. of samples received	: 1		
No. of samples analysed	: 1		

NATA
Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Ivan Taylor	Analyst	Sydney Inorganics, Smithfield, NSW
Sanjeshni Jyoti	Senior Chemist Volatiles	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.

Analytical Results

Sub-Matrix: **SOIL** (Matrix: **SOIL)**			*Client sample ID*	**13493.WAC2.SR**	**----**	**----**	**----**	**----**
			Client sampling date / time	05-Feb-2018 00:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**ES1803897-001**	--------	--------	--------	--------
				Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	1.0	%	**6.1**	----	----	----	----
EG005T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	<5	----	----	----	----
Cadmium	7440-43-9	1	mg/kg	<1	----	----	----	----
Chromium	7440-47-3	2	mg/kg	**10**	----	----	----	----
Copper	7440-50-8	5	mg/kg	<5	----	----	----	----
Lead	7439-92-1	5	mg/kg	**32**	----	----	----	----
Nickel	7440-02-0	2	mg/kg	**4**	----	----	----	----
Zinc	7440-66-6	5	mg/kg	**16**	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	----	----	----	----
EP066: Polychlorinated Biphenyls (PCB)								
Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	----	----	----	----
EP068A: Organochlorine Pesticides (OC)								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	----	----	----	----
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	----	----	----	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	----	----	----	----
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	----	----	----	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	----	----	----	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	----	----	----	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	----	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	----	----	----	----
^ **Total Chlordane (sum)**	----	0.05	mg/kg	<0.05	----	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	----	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	----	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	----	----	----	----
Dieldrin	60-57-1	0.05	mg/kg	<0.05	----	----	----	----
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	----	----	----	----
Endrin	72-20-8	0.05	mg/kg	<0.05	----	----	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	----	----	----	----
^ **Endosulfan (sum)**	115-29-7	0.05	mg/kg	<0.05	----	----	----	----
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	----	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	----	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	----	----	----	----

Analytical Results

Sub-Matrix: **SOIL**
(Matrix: **SOIL**)

			Client sample ID	**13493.WAC2.SR**	----	----	----	----
			Client sampling date / time	05-Feb-2018 00:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**ES1803897-001**	--------	--------	--------	--------
				Result	----	----	----	----
EP068A: Organochlorine Pesticides (OC) - Continued								
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	----	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	----	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	----	----	----	----
^ **Sum of Aldrin + Dieldrin**	309-00-2/60-57-1	0.05	mg/kg	<0.05	----	----	----	----
^ **Sum of DDD + DDE + DDT**	72-54-8/72-55-9/50-2	0.05	mg/kg	<0.05	----	----	----	----
EP068B: Organophosphorus Pesticides (OP)								
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	----	----	----	----
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	----	----	----	----
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	----	----	----	----
Dimethoate	60-51-5	0.05	mg/kg	<0.05	----	----	----	----
Diazinon	333-41-5	0.05	mg/kg	<0.05	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	----	----	----	----
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	----	----	----	----
Malathion	121-75-5	0.05	mg/kg	<0.05	----	----	----	----
Fenthion	55-38-9	0.05	mg/kg	<0.05	----	----	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	----	----	----	----
Parathion	56-38-2	0.2	mg/kg	<0.2	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	----	----	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	----	----	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	----	----	----	----
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	----	----	----	----
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	----	----	----	----
Ethion	563-12-2	0.05	mg/kg	<0.05	----	----	----	----
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	----	----	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	----	----	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	----	----	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	----	----	----	----
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	----	----	----	----
Anthracene	120-12-7	0.5	mg/kg	<0.5	----	----	----	----
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	----	----	----	----
Pyrene	129-00-0	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: **SOIL**
(Matrix: **SOIL)**

Client sample ID				**13493.WAC2.SR**	----	----	----	----
Client sampling date / time				05-Feb-2018 00:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**ES1803897-001**	--------	--------	--------	--------
				Result	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued								
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	----	----	----	----
Chrysene	218-01-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	----	----	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	----	----	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	----	----	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	----	----	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	----	----	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	----	----	----	----
^ **Sum of polycyclic aromatic hydrocarbons**	----	0.5	mg/kg	<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (zero)**	----	0.5	mg/kg	<0.5	----	----	----	----
^ **Benzo(a)pyrene TEQ (half LOR)**	----	0.5	mg/kg	**0.6**	----	----	----	----
^ **Benzo(a)pyrene TEQ (LOR)**	----	0.5	mg/kg	**1.2**	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	----	----	----	----
C10 - C14 Fraction	----	50	mg/kg	<50	----	----	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	----	----	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	----	----	----	----
^ **C10 - C36 Fraction (sum)**	----	50	mg/kg	<50	----	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions								
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	----	----	----	----
^ **C6 - C10 Fraction minus BTEX (F1)**	C6_C10-BTEX	10	mg/kg	<10	----	----	----	----
>C10 - C16 Fraction	----	50	mg/kg	<50	----	----	----	----
>C16 - C34 Fraction	----	100	mg/kg	<100	----	----	----	----
>C34 - C40 Fraction	----	100	mg/kg	<100	----	----	----	----
^ **>C10 - C40 Fraction (sum)**	----	50	mg/kg	<50	----	----	----	----
^ **>C10 - C16 Fraction minus Naphthalene (F2)**	----	50	mg/kg	<50	----	----	----	----
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	----	----	----	----
Toluene	108-88-3	0.5	mg/kg	<0.5	----	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	----	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	----	----	----	----

Analytical Results

Sub-Matrix: **SOIL** (Matrix: **SOIL**)			*Client sample ID*	**13493.WAC2.SR**	**----**	**----**	**----**	**----**
			Client sampling date / time	05-Feb-2018 00:00	----	----	----	----
Compound	*CAS Number*	*LOR*	*Unit*	**ES1803897-001**	**--------**	**--------**	**--------**	**--------**
				Result	----	----	----	----
EP080: BTEXN - Continued								
^ Sum of BTEX	----	0.2	mg/kg	<0.2	----	----	----	----
^ Total Xylenes	----	0.5	mg/kg	<0.5	----	----	----	----
Naphthalene	91-20-3	1	mg/kg	<1	----	----	----	----
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	**82.4**	----	----	----	----
EP068S: Organochlorine Pesticide Surrogate								
Dibromo-DDE	21655-73-2	0.05	%	**88.6**	----	----	----	----
EP068T: Organophosphorus Pesticide Surrogate								
DEF	78-48-8	0.05	%	**92.8**	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	**92.0**	----	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%	**87.7**	----	----	----	----
2.4.6-Tribromophenol	118-79-6	0.5	%	**63.4**	----	----	----	----
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	**88.0**	----	----	----	----
Anthracene-d10	1719-06-8	0.5	%	**85.5**	----	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%	**82.4**	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates								
1.2-Dichloroethane-D4	17060-07-0	0.2	%	**87.1**	----	----	----	----
Toluene-D8	2037-26-5	0.2	%	**101**	----	----	----	----
4-Bromofluorobenzene	460-00-4	0.2	%	**101**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **SOIL**

Compound	CAS Number	Recovery Limits (%)	
		Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	39	149
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	49	147
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	35	143
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2.4.6-Tribromophenol	118-79-6	40	138
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	73	133
Toluene-D8	2037-26-5	74	132
4-Bromofluorobenzene	460-00-4	72	130

APPENDIX V – CHAIN OF CUSTODY

ESA-F-02

Chain of Custody (Internal)

Environmental and OHS Laboratory

CLIENT / PROJECT: CSJJV Westconnecx M4 East

CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER **WCX-03-13493**

SAMPLES DELIVERED BY: ADE Consulting Group
6/7 Millennium Cl, Silverwater NSW 2128

SAMPLERS: AP

TURNAROUND: **24h: X** 48h: ☐ 72h: ☐ 5 WORKING DAYS:

SAMPLING DATE: 05.02.2018

AFTER TEST STORAGE: ROOM TEMP: ☐ FRIDGE: X FREEZER: ☐ > 4 WEEKS: ☐ OTHER: ☐

REPORT FORMAT: DISK: ☐ E-MAIL: ☐

CONSULTANTS SIGNATURE: CONSULTANT E-MAIL: a.palmer@adenvirotech.com.au,

PROJECT MANAGERS SIGNATURES: PROJECT MANAGERS E-MAIL: b.withnall@adenvirotech.com.au

LABORATORY REFERENCE NO. (Lab use ONLY): 13493 - 2

RECEIVED BY: Meenakchhi Dahal

SAMPLES: 11 CHILLED: ✓ PRESERVED: ✓

MINIMAL HEADSPACE: ✓ WITHIN HOLDING TIME: ✓

DATE: 05/02/18 TIME: 3:45 pm

SIGNATURE: Dahal

SAMPLE DATA						CONTAINER DATA		ANALYSIS REQUIRED										TCLP				
Sample ID (Lab Use)	Sample Name Invoice Number	Sample number	MATRIX	DELIVERY DATE	DELIVERY TIME	TYPE & PRESERVATIVE	NO.	6 Metal Suite	8 Metal Suite	BTEX	PAH	OCP/OPP	PCB	vTRH (C6-C10)	TRH (C10-C40)	pH (1:5)	pH/pH fox	TCLP Prep ONLY	TCLP PAH B(a)P PQL<0.2 ug/L	TCLP PAH B(a)P PQL<5.0 ug/L	TCLP Metals (SPECIFY METALS WHICH NEED TO BE ANALYSED)	NOTES
C12	13493	WAC2.TP1	Soil	05.02.2018	16:00	1 x soil bag and 1x jar	1		X	X	X	X	X	X	X	X						
C13	13493	WAC2.TP2	Soil	05.02.2018	16:00	1 x soil bag and 1x jar	2		X	X	X	X	X	X	X	X						
C14	13493	WAC2.TP3	Soil	05.02.2018	16:00	1 x soil bag and 1x jar	3		X	X	X	X	X	X	X	X						
C15	13493	WAC2.TP4	Soil	05.02.2018	16:00	1 x soil bag and 1x jar	4		X	X	X	X	X	X	X	X						
C16	13493	WAC2.TP5	Soil	05.02.2018	16:00	1 x soil bag and 1x jar	5		X	X	X	X	X	X	X	X						
C17	13493	WAC2.TP6	Soil	05.02.2018	16:00	1 x soil bag and 1x jar	6		X	X	X	X	X	X	X	X						
C18	13493	WAC2.TP7	Soil	05.02.2018	16:00	1 x soil bag and 1x jar	7		X	X	X	X	X	X	X	X						
C19	13493	WAC2.TP8	Soil	05.02.2018	16:00	1 x soil bag and 1x jar	8		X	X	X	X	X	X	X	X						
C20	13493	WAC2.TP9	Soil	05.02.2018	16:00	1 x soil bag and 1x jar	9		X	X	X	X	X	X	X	X						
C21	13493	WAC2.TP10	Soil	05.02.2018	16:00	1 x soil bag and 1x jar	10		X	X	X	X	X	X	X	X						
C22	13493	WAC2.BR	Soil	05.02.2018	16:00	1x jar	11		X	X	X	X	X	X	X							

Environmental and OHS Laboratory

CLIENT / PROJECT: CSJJV Westconnecx M4 East

CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER **WCX-03-13493**

LABORATORY REFERENCE NO. (Lab use ONLY): 13493 -1

SAMPLES DELIVERED BY: ADE Consulting Group
6/7 Millennium Ct, Silverwater NSW 2128

RECEIVED BY: Swetha Ravella

SAMPLERS: AP

SAMPLES: CHILLED: ☑ PRESERVED: ☐ N/A

TURNAROUND: **24h: X** 48h: ☐ 72h: ☐ 5 WORKING DAYS:

MINIMAL HEADSPACE: ☑ WITHIN HOLDING TIME: ☑

SAMPLING DATE: 22.01.2018

DATE: 23/1/18 TIME: 1:00pm

AFTER TEST STORAGE: ROOM TEMP: ☐ FRIDGE: X FREEZER: ☐ > 4 WEEKS: ☐ OTHER: ☐

SIGNATURE: R.Swetha

REPORT FORMAT: DISK: ☐ E-MAIL: ☐

CONSULTANTS SIGNATURE:

CONSULTANT E-MAIL: a.palmer@adenvirotech.com.au,

PROJECT MANAGERS SIGNATURES:

PROJECT MANAGERS E-MAIL: b.withnall@adenvirotech.com.au

SAMPLE DATA						CONTAINER DATA		ANALYSIS REQUIRED										TCLP				NOTES
Sample ID (Lab Use)	Sample Name: Invoice Number	Sample Name: Sample number	MATRIX	DELIVERY DATE	DELIVERY TIME	TYPE & PRESERVATIVE	NO.	6 Metal Suite	8 Metal Suite	BTEX	PAH	OCP/OPP	PCB	vTRH (C6-C10)	TRH (C10-C40)	pH (1:5)	pH/pH fox	TCLP Prep ONLY	TCLP PAH B(a)P PQL<0.2 ug/L	TCLP PAH B(a)P PQL<5.0 ug/L	TCLP Metals (SPECIFY METALS WHICH NEED TO BE ANALYSED)	
C1	13493	WAC1.TP1	Soil	23.01.2018	11:00	1 x soil bag and 1x jar	1		X	X	X	X	X	X	X	X						
C2	13493	WAC1.TP2	Soil	23.01.2018	11:00	1 x soil bag and 1x jar	2		X	X	X	X	X	X	X	X						
C3	13493	WAC1.TP3	Soil	23.01.2018	11:00	1 x soil bag and 1x jar	3		X	X	X	X	X	X	X	X						
C4	13493	WAC1.TP4	Soil	23.01.2018	11:00	1 x soil bag and 1x jar	4		X	X	X	X	X	X	X	X						
C5	13493	WAC1.TP5	Soil	23.01.2018	11:00	1 x soil bag and 1x jar	5		X	X	X	X	X	X	X	X						
C6	13493	WAC1.TP6	Soil	23.01.2018	11:00	1 x soil bag and 1x jar	6		X	X	X	X	X	X	X	X						
C7	13493	WAC1.TP7	Soil	23.01.2018	11:00	1 x soil bag and 1x jar	7		X	X	X	X	X	X	X	X						
C8	13493	WAC1.TP8	Soil	23.01.2018	11:00	1 x soil bag and 1x jar	8		X	X	X	X	X	X	X	X						
C9	13493	WAC1.TP9	Soil	23.01.2018	11:00	1 x soil bag and 1x jar	9		X	X	X	X	X	X	X	X						
C10	13493	WAC1.TP10	Soil	23.01.2018	11:00	1 x soil bag and 1x jar	10		X	X	X	X	X	X	X	X						
C11	13493	WAC1.BR	Soil	23.01.2018	11:00	1x jar	11		X	X	X	X	X	X	X							

ESA-F-02

Chain of Custody (Internal)

Environmental and OHS Laboratory

CLIENT / PROJECT:	CSJJV Westconnecx M4 East	LABORATORY REFERENCE NO. (Lab use ONLY):	13493-1 Silica Gel clean up
CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER	**WCX-03-13493**		
SAMPLES DELIVERED BY:	ADE Consulting Group 6/7 Millennium Ct, Silverwater NSW 2128	RECEIVED BY:	Hannah
SAMPLERS:	AP	SAMPLES: CHILLED: ☑	PRESERVED: ☐ N/A
TURNAROUND:	**24h: X** 48h: ☐ 72h: ☐ 5 WORKING DAYS:	MINIMAL HEADSPACE : N/A	WITHIN HOLDING TIME: ☑
SAMPLING DATE:	22.01.2018	DATE: 25/01/18	TIME: 11:10
AFTER TEST STORAGE:	ROOM TEMP: ☐ FRIDGE: X FREEZER: ☐ > 4 WEEKS: ☐ OTHER: ☐	SIGNATURE:	
REPORT FORMAT:	DISK: ☐ E-MAIL: ☐	ANALYSIS REQUIRED	
CONSULTANTS SIGNATURE:	CONSULTANT E-MAIL: a.palmer@adenvirotech.com.au,		
PROJECT MANAGERS SIGNATURES:	PROJECT MANAGERS E-MAIL: b.withnall@adenvirotech.com.au		

SAMPLE DATA						CONTAINER DATA		ANALYSIS REQUIRED														
Sample ID (Lab Use)	Sample Name		MATRIX	DELIVERY DATE	DELIVERY TIME	TYPE & PRESERVATIVE	NO.											TCLP				NOTES
	Invoice Number	Sample number						6 Metal Suite	8 Metal Suite	BTEX	PAH	OCP/OPP	PCB	vTRH (C6-C10)	TRH (C10-C40)	pH (1:5)	Silica Gel Clean Up	TCLP Prep ONLY	TCLP PAH B(a)P PQL<0.2 ug/L	TCLP PAH B(a)P PQL<5.0 ug/L	TCLP Metals (SPECIFY METALS WHICH NEED TO BE ANALYSED)	
C1	13493	WAC1.TP1	Soil	25.01.2018	11:00	1x jar	1										X					DSAP
C10	13493	WAC1.TP10	Soil	25.01.2018	11:00	1x jar	2										X					
C11	13493	WAC1.BR	Soil	25.01.2018	11:00	1x jar	3										X					

Date printed: 25/01/2018

ABI Laboratory

SAMPLES SUBMITTED BY:	ADE Consulting Group, Unit 6/7 Millennium Court Silverwater, 2128 NSW	LABORATORY REF. NO.:	13493 ASB1
SAMPLERS:	AP	RECEIVED BY:	Alex Gi
REPORT FORMAT:	DISK: X E-MAIL: X	TIME:	12:30 pm 23.01.2018
JOB CONTACT E-MAIL:	b.withnall@adenvirotech.com.au;	SIGNATURE:	Alex
CLIENT:	CSJJV M4E		
CLIENT CODE - PROJECT NUMBER - INVOICE NUMBER	**WCX-03-13493**	SIGNATURE:	
JOB LOCATION:	**Northcote Tunnel, Ashfield, NSW**		

	SAMPLE DATA		MATRIX										SAMPLES SUBMITTED		DATA NEEDED	
Sample ID (Lab Use)	INVOICE NUMBER	SAMPLE NUMBER	FC	FM	BM	VT	VC	Mastic	Vermiculite	Soil	Soil	Other	DATE	TIME	DATE	TIME
13493-Asb1	13493	WAC1.TP1								X			23.01.2018	12:00	24.01.2018	12:00
2	13493	WAC1.TP2								X			23.01.2018	12:00	24.01.2018	12:00
3	13493	WAC1.TP3								X			23.01.2018	12:00	24.01.2018	12:00
4	13493	WAC1.TP4								X			23.01.2018	12:00	24.01.2018	12:00
5	13493	WAC1.TP5								X			23.01.2018	12:00	24.01.2018	12:00
6	13493	WAC1.TP6								X			23.01.2018	12:00	24.01.2018	12:00
7	13493	WAC1.TP7								X			23.01.2018	12:00	24.01.2018	12:00
8	13493	WAC1.TP8								X			23.01.2018	12:00	24.01.2018	12:00
9	13493	WAC1.TP9								X			23.01.2018	12:00	24.01.2018	12:00
10	13493	WAC1.TP10								X			23.01.2018	12:00	24.01.2018	12:00

ADE Consulting Group Pty Ltd	PM-F-07b1a Chain of Custody and Order (External)	Page: 1 of 1 Date: 06/11/2017

Job Number: WCX-03-13493

From: ADE Consulting Group Pty Ltd
Unit 6/7 Millennium Court,
Silverwater NSW 2128
Phone: (02) 8541 7214
Email: info@adenvirotech.com.au

To: ALS Global
Sydney
277-289 Woodpark Road
Smithfield NSW 2164
Attention:

ADE
CONSULTING
GROUP

QUOTE NUMBER: EN/097/17
ALS ACCOUNT ID: ADENVT

TAT

Sampler: Alec Palmer — *print name* — *signature* — Date: 22.01.2018

Delivery: *print name* — *signature* — Date:23.01.2018

Received for Laboratory: Sergy Stefano *print name* — *signature* 23/1/18 1500 18.3 C — Date: 10.01.18

DETAILS OF SAMPLE							ANALYSIS R	
Laboratory Sample ID	ADE Sample ID	Sample Type	Container & Preservation	S-16 TRH (C6-C40) / BTEXN / PAH / Phenols / OC / OP / PCB / 8 Metals				
1	13493.WAC1.SR	Soil	Jar & No Pres	X				

Environmental Division
Sydney
Work Order Reference
ES1802732
Telephone : + 61-2-8784 8555

Further instructions:

1. Invoices are required to be sent to **accounts@adenvirotech.com.au** and CC'd to the contact below. ADE Consulting Group Pty Ltd will not be processing any invoices going forward unless they are emailed to this address.

2. Please analyse all samples on **24 Hour turnaround time** and report results to **info@adenvirotech.com.au** and **b.withnall@adenvirotech.com.au** a

3. Please keep soil samples in refrigerated condition for 2 months following reporting.

4. Please keep water samples in refrigerated condition for 2 weeks following reporting.

ADE Consulting Group Pty Ltd	PM-F-07b1a Chain of Custody and Order (External)	Page: 1 of 2 Date: 06/11/2017

Job Number: **WCX-03-13493**

From: ADE Consulting Group Pty Ltd
Unit 6/7 Millennium Court,
Silverwater NSW 2128
Phone: (02) 8541 7214
Email: info@adenvirotech.com.au

To: ALS Global
Sydney
277-289 Woodpark Road
Smithfield NSW 2164
Attention:

ADE CONSULTING GROUP

QUOTE NUMBER: EN/097/17
ALS ACCOUNT ID: ADENVT

TAT

Sampler: Alec Palmer (*print name*) (*signature*) Date: 22.01.2018

Delivery: (*print name*) (*signature*) Date:23.01.2018

Received for Laboratory: Sean (*print name*) ALS. (*signature*) Date: 10.01.18

185C
1500

DETAILS OF SAMPLE				ANALYSIS REQUIRED				
Laboratory Sample ID	ADE Sample ID	Sample Type	Container & Preservation	Phenols	Sulfates	Chlorides		
1	13493.WAC1.TP1	Soil	Jar & No Pres	X	X	X		
2	13493.WAC1.TP3	Soil	Jar & No Pres	X	X	X		
3	13493.WAC1.TP5	Soil	Jar & No Pres	X	X	X		
4	13493.WAC1.TP7	Soil	Jar & No Pres		X	X		
5	13493.WAC1.TP9	Soil	Jar & No Pres		X	X		

Environmental Division
Sydney
Work Order Reference
ES1802744

Telephone : + 61-2-8784 8555

Job Number: **WCX-03-13493**

Further instructions:

1. Invoices are required to be sent to **accounts@adenvirotech.com.au** and CC'd to the contact below. ADE Consulting Group Pty Ltd will not be processing any invoices going forward unless they are emailed to this address.

2. Please analyse all samples on **24 Hour turnaround time** and report results to **info@adenvirotech.com.au** and b.withnall@adenvirotech.com.au a

3. Please keep soil samples in refrigerated condition for 2 months following reporting.

4. Please keep water samples in refrigerated condition for 2 weeks following reporting.

ADE Consulting Group Pty Ltd	PM-F-07b1a Chain of Custody and Order (External)	Page: 1 of 1 Date: 06/11/2017

Job Number: WCX-03-13493

Environmental Division
Sydney
Work Order Reference
ES1803897

Telephone : + 61-2-8784 8555

ADE
CONSULTING
GROUP

From: ADE Consulting Group Pty Ltd
Unit 6/7 Millennium Court,
Silverwater NSW 2128
Phone: (02) 8541 7214
Email: info@adenvirotech.com.au

To: ALS Global
Sydney
277-289 Woodpark Road
Smithfield NSW 2164
Attention:

QUOTE NUMBER: EN/097/17
ALS ACCOUNT ID: ADENVT

Sampler: Alec Palmer
print name *signature*
Date: 05.02.2018

Delivery:
print name *signature*
Date:05.02.2018

Received for Laboratory:
print name *signature*
Date
5-2-18 16:45
10.8°

DETAILS OF SAMPLE				ANALYSIS REQUIRED						
Laboratory Sample ID	**ADE Sample ID**	**Sample Type**	**Container & Preservation**	**S-16** TRH (C6-C40) / BTEXN / PAH / Phenols / OC / OP / PCB / 8 Metals						
1	13493.WAC2.SR	Soil	Jar & No Pres	X						

Further instructions:

1. Invoices are required to be sent to **accounts@adenvirotech.com.au** and CC'd to the contact below. ADE Consulting Group Pty Ltd will not be processing any invoices going forward unless they are emailed to this address.

2. Please analyse all samples on **24 Hour turnaround time** and report results to **info@adenvirotech.com.au** and b.withnall@adenvirotech.com.au a

3. Please keep soil samples in refrigerated condition for 2 months following reporting.

4. Please keep water samples in refrigerated condition for 2 weeks following reporting.

Certification:
WestConnex Stage 2 Tunnel Spoil

1. I *[full name]*	Michael Spence
of *[organisation and address]*	CPB Dragados Samsung (CDS) Joint Venture L6, 201 Coward Street, Mascot, 2020

certify that the waste as set out in section 2 of this notice is WestConnex Stage 2 Tunnel Spoil (WTS) as defined in section 1 of *The WestConnex Stage 2 tunnel spoil Order 2017*.

This certification is made on behalf of the waste generator *CPB Dragados Samsung (CDS) Joint Venture of L6, 201 Coward Street, Mascot, 2020.*

2. The waste was generated at:	WestConnex M5 Tunnel Site – Bexley Tunnel South
Street address:	Bexley Southern Construction Compound, Bexley Road, Bexley NSW
Title reference (Lot/DP, etc.):	
The amount of waste (by volume or weight) is:	250 000 m^3

3. I have made the determination that the waste is WTS because:

- ☒ I have assessed the historical and current land use of the site at which the waste was generated.
- ☒ The waste is not contaminated with manufactured chemicals, or with process residues, as a result of industrial, commercial, mining or agricultural activities.
- ☒ The waste does not contain any sulfidic ores or soils.
- ☒ The waste does not contain any other waste.
- ☒ The waste does not contain asbestos in any form.

Note: that all sections of this form must be completed including all boxes checked in Section 3 above and signed below for any material to be certified as WTS.

Signature(s) ....

Name(s) (printed) MICHAEL SPENCE

Date 21/4/17

Warning: There are significant penalties under s.144AA of the *Protection of the Environment Operations Act 1997* for a person who supplies (whether knowingly or not) information that is false or misleading in a material respect about waste.

This certificate is intended to assist waste generators, contractors and/or receivers of WTS to have confidence that a range of relevant factors have been considered in the classification of a waste material as WTS.

Appendix I

VOC Area of Concern Trench Screening

Douglas Partners
Geotechnics / Environment / Groundwater

Douglas Partners Pty Ltd
ABN 75 053 980 117
www.douglaspartners.com.au
96 Hermitage Road
West Ryde NSW 2114
PO Box 472
West Ryde NSW 1685
Phone (02) 9809 0666
Fax (02) 9809 4095

Memorandum

To	Rachael Labruyere (JHCPBGJV)	Rachael.Labruyere@sSydneymetro2.com.au	John Holland CPB Ghella JV	
cc	Samuel Chapman (JHCPBGJV)	samuel.chapman@sydSydneymetro2.com.au		
From	Tom Graham		**Date**	17 Jan 2019
Subject	Sydney Metro City & SW TSE Works Waterloo - VOC Trench Screening Inspections		**Project No.**	85608.14.R.069.Rev0

Introduction

This memorandum provides a summary of trench screening inspections undertaken by Douglas Partners (DP) in the vicinity of an area of potential impact from volatile organic compounds (the VOC Area of Concern) at the proposed Waterloo Station Site at Botany Road and Cope Street, Waterloo (the site). The work was commissioned by John Holland CPB Ghella JV (JHCPBGJV) and was undertaken with reference to DP's proposal (SYD180215.P.001.Rev2) dated 28 May 2018.

Background

DP has previously provided assessments for virgin excavated natural material (VENM) in the station box excavation within the site. These assessments were provided in the following DP reports:

- *In Situ VENM Assessment: Natural Sandy Clay, Clayey Sand and Clay Not Containing Acid Sulfate Soil, Sydney Metro City & South West – Waterloo Station, Botany Road, Waterloo, NSW* August 2018 reference 85608.14.R059.Rev0 (DP, 2018a); and
- *In Situ VENM Assessment: Natural Shale and Sandstone Bedrock Outside of VOC Area of Concern, Sydney Metro City & South West – Waterloo Station, Botany Road, Waterloo, NSW* August 2018 reference 85608.14.R.064.Rev0 (DP, 2018b).

The above reports concluded that the natural sandy clays, clayey sand, clay, shale and sandstone not containing Acid Sulfate Soils (ASS) were classified as VENM, with the exception of the VOC Area of Concern. DP (2018a) defined the VOC Area of Concern as:

- Soil to 1m into clay: 15 m either side of the boundary between the site and the former dry cleaner and 15 m into the site (i.e. approximately 40 m north-south by 15 m east-west); and
- Below 1 m into clay: to be determined based on observations at shallower depths.

DP (2018a) also contained a VOC screening methodology to be used to determine if VOC impacted soils were present within the station box excavation and the potential for migration of VOC:

“*The screening will comprise taking photo-ionisation detector (PID) readings on samples collected from each screening location/ depth. The sample will be placed in a sealed snap lock bag and allowed to equilibrate with air within the bag for approximately 2-5 minutes. The PID intake will then be inserted into the bag and a reading recorded. Selected samples, including any samples with elevated PID readings will also be screened using a Kitagawa Tube*[1] *in accordance with its instructions.”*

Five rounds of trench screening inspections were undertaken by DP personnel between 24 July 2018 and 16 November 2018. During these inspections and trench excavations, PID and Kitigawa readings were undertaken during the excavation of the overlying soils within the VOC Area of Concern with all PID results less than 1 ppm and no positive results recorded in the Kitagawa Tubes. Each round of screening was followed by email advice sent to the client with the results of the screening and the areas which had been cleared.

JHCPBGJV *Waterloo RAP Addendum: Screening Trench* December 2018 reference SMCSWTSE-JCG-SWL-EM0RPT-097344 Rev: 00 (JHCBGJV, 2018 - attached) consists of a compilation of the five DP advice emails provided following each VOC screening event.

Comment

As the VOC Area of Concern has been screened to top of the bedrock and no readings of any potential VOC were recorded in the trench screenings it is considered that the area has been cleared for potential VOC contamination.

Limitations

Douglas Partners (DP) has prepared this report (or services) for this project at at the Proposed Waterloo Station site, Botany Road, Waterloo at the request of John Holland CPB Ghella JV in accordance with DP’s proposal (SYD180215.P.001.Rev2) dated 28 May 2018, and the Minor Works and Services Agreement (Agreement No. SM2-CON-00007) between John Holland Pty Ltd, CPB Contractors Pty Ltd & Ghella Pty Ltd and DP dated 26 October 2017. This report is provided for the exclusive use of John Holland CPB Contractors Ghella Joint Venture for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of DP, does so entirely at its own risk and without recourse to DP for any loss or damage. In preparing this report DP has necessarily relied upon information provided by the client and/or their agents.

The results provided in the report are indicative of the sub-surface conditions on the site only at the specific sampling and/or testing locations, and then only to the depths investigated and at the time the work was carried out. Sub-surface conditions can change abruptly due to variable geological processes and also as a result of human influences. Such changes may occur after field testing has been completed.

---

[1] A Kitagawa Tube for tetrachloroethylene with a detection limit of at least 5 ppm was used

DP's advice is based upon the conditions encountered during this investigation. The accuracy of the advice provided by DP in this report may be affected by undetected variations in ground conditions across the site between and beyond the sampling and/or testing locations. The advice may also be limited by budget constraints imposed by others or by site accessibility.

This report must be read in conjunction with all of the attached and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion stated in this report.

This report, or sections from this report, should not be used as part of a specification for a project, without review and agreement by DP. This is because this report has been written as advice and opinion rather than instructions for construction.

The contents of this report do not constitute formal design components such as are required, by the Health and Safety Legislation and Regulations, to be included in a Safety Report specifying the hazards likely to be encountered during construction and the controls required to mitigate risk. This design process requires risk assessment to be undertaken, with such assessment being dependent upon factors relating to likelihood of occurrence and consequences of damage to property and to life. This, in turn, requires project data and analysis presently beyond the knowledge and project role respectively of DP. DP may be able, however, to assist the client in carrying out a risk assessment of potential hazards contained in the Comments section of this report, as an extension to the current scope of works, if so requested, and provided that suitable additional information is made available to DP. Any such risk assessment would, however, be necessarily restricted to the (geotechnical / environmental / groundwater) components set out in this report and to their application by the project designers to project design, construction, maintenance and demolition.

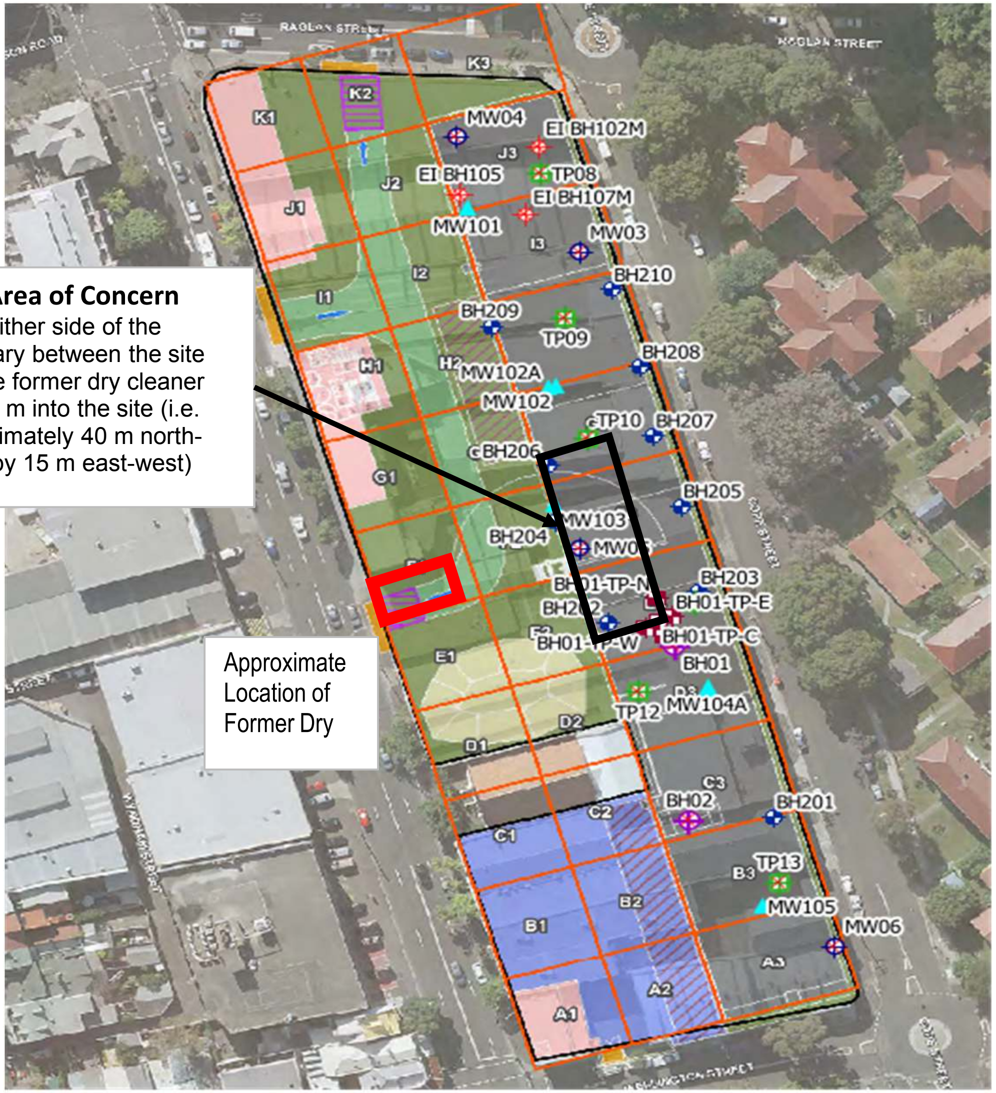
Douglas Partners Pty Ltd

Tom Graham
Environmental Scientist

Reviewed by

Tim Wright
Senior Associate

Attachments: Notes about this Report
Drawing 1
JHCPBGJV *Waterloo RAP Addendum: Screening Trench* December 2018 reference SMCSWTSE-JCG-SWL-EM0RPT-097344 Rev: 00 (JHCBGJV, 2018)



VOC Area of Concern

15 m either side of the boundary between the site and the former dry cleaner and 15 m into the site (i.e. approximately 40 m north-south by 15 m east-west)

Approximate Location of Former Dry

Douglas Partners *Geotechnics / Environment / Groundwater*	CLIENT: John Holland CPB Ghella JV	**VOC Area of Concern**	PROJECT No: 85608.14
	OFFICE: Sydney	**Sydney Metro City & South West, Tunnel & Station Works Package**	DWG No: R.069.1
	DATE: 17.01.19	**Botany Rd and Cope St, Waterloo**	REVISION: 0

1.1 First Stage of Screening Trench (24.07.18)

Email from Nerilee Edwards (Environmental Scientist Douglas Partners Pty Ltd)

This email is to provide advice on the results of the trench screening yesterday (24.07.18) for the first stage of the trench. The trench was excavated approximately 3 m east of the piles along the west of the site due to current site accessibility. The screening results do not apply to materials to the west of the trench.

It is understood that the first stage of the trench was excavated to a depth of 4 m below the original ground level (approximately 3m below current site levels) with the northern and southern extents approximately in alignment with the eastern site Piles 72 and 81 (along Cope Street, the pile drawing attached shows that this would be approximately between GDA 94 MGA56 N6247712 and N6247725).

We conducted on-site screening in accordance with the agreed methodology (DP email dated 19 July 2018). This included inspection, PID and Kitagawa screening.

No buried pipes or materials with signs of concern were observed. No elevated PID or Kitagawa screening results were recorded.

As such materials from this trench, and to the east of this trench are considered to have been screened in accordance with the in situ waste classification (Reference DP 85608.14.R.0.23.Rev0, dated 23 May 2018, attached), and the in situ waste classification is considered to apply.

We advise that in the upper 4m of the profile, the trench is required 10 m either side of the boundary between the site and the former dry cleaner and 10m into the site (i.e. approximately 30 m north-south). This is approximately GDA 94 (MGA56) N6247706 and N6247733.

We request that you organise for the location of the trench, and the required location of the trench to be surveyed by the site surveyor for future records/ validation.

We note that further trenching work is required to meet the on-site screening requirements for materials to the north and south of the current trench.

Attachment 1: SMCSWTSE-JAB-SWL-EX-DRG-515032-01

1.2 Second Stage of Screening Trench (31.07.18)

Email from Nerilee Edwards (Environmental Scientist Douglas Partners Pty Ltd)

This email is to provide advice on the results of the trench screening yesterday (31.07.18) for the second stage of the trench adjacent to site boundary closest to the former dry cleaner. The trench was excavated within the site, immediately adjacent to the western pile wall. Due to the practicality of the trenching the trench varied from <0.01 m from the piles up to approximately 1 m, with most of the trench less than approximately 0.2 m from the piles.

It is understood that the second stage of the trench was excavated to a depth of 4 m below the original ground level (approximately 3m below current site levels) with the northern and southern extents approximately in alignment with the eastern site Piles 72 and 81 (along Cope Street, the pile drawing attached shows that this would be approximately between GDA 94 MGA56 N6247712 and N6247725).

We conducted on-site screening in accordance with the agreed methodology (DP email dated 19 July 2018). This included inspection, PID and Kitagawa screening.

No buried pipes or materials with signs of concern were observed. No elevated PID or Kitagawa screening results were recorded (PID results were all less than 1 ppm, no detectable VOC was recorded in the Kitagawa tubes).

As such materials from this trench, and to the east of this trench are considered to have been screened in accordance with the in situ waste classification (Reference DP 85608.14.R.0.23.Rev0, dated 23 May 2018, attached), and the in situ waste classification (relevant to the natural sands east of the trench to a depth of 4m) is considered to apply.

We advise that in the upper 4m of the profile, the trench is required 10 m either side of the boundary between the site and the former dry cleaner and 10m into the site (i.e. approximately 30 m north-south). This is approximately GDA 94 (MGA56) N6247706 and N6247733. We request that you organise for the location of the trench to be surveyed by the site surveyor, and compared by the surveyor with the required extents for future records/ validation. We note that based on the current co-ordinates, **further trenching work is required to meet the on-site screening requirements for materials to the north and south of the current trench.**

1.3 Third Stage of Screening Trench (17.08.18)

Email from Nerilee Edwards (Environmental Scientist Douglas Partners Pty Ltd)

This email is to provide advice on the results of the trench screening on Friday (17.08.18) for the third stage of the trench adjacent to site boundary closest to the former dry cleaner. The trench was excavated within the site, approximately 3 m to the east of the western pile wall. The screening results do not apply to materials to the west of the trench.

It is understood that the trench was excavated to a depth of 4 m below the original ground level (approximately 2.5m below current site levels) with the northern and southern extents approximately in alignment with the eastern site Piles 50 and 63 (along Cope Street, the pile drawing attached shows that this would be approximately between GDA 94 MGA56 N 6247757 and N 6247738).

We conducted on-site screening in accordance with the agreed methodology (DP email dated 19 July 2018). This included inspection, PID and Kitagawa screening.

No buried pipes or materials with signs of concern were observed. No elevated PID or Kitagawa screening results were recorded (PID results were all less than 1 ppm, no detectable VOC was recorded in the Kitagawa tubes).

As such materials from this trench, and to the east of this trench are considered to have been screened in accordance with the in situ waste classification (Reference DP 85608.14.R.0.23.Rev0, dated 23 May 2018, attached), and the in situ waste classification (relevant to the natural sands east of the trench to a depth of 4m) is considered to apply.

We advise that in the upper 4m of the profile, the trench is required 10 m either side of the boundary between the site and the former dry cleaner and 10m into the site (i.e. approximately 30 m north-south).

Attachment 2: SMCSWTSE-JAB-SWL-EX-DRG-515031-00

1.4 Fourth Stage of Screening Trench (19.10.18)

Email from Tom Graham (Environmental Scientist Douglas Partners Pty Ltd)

This email is to provide advice on the results of the trench screening on Friday (19.10.18) for the fourth stage of the trench adjacent to site boundary closest to the former dry cleaner. The trench was excavated within the site abutting the western pile wall.

It is understood that the trench was excavated to a depth of 4 m below the original ground level with the northern and southern extents approximately in alignment with the western site Piles 206 and 233, the pile drawing attached shows that this would be approximately between GDA 94 MGA56 N 6247700 and N 6247738.

We conducted on-site screening in accordance with the agreed methodology (DP email dated 19 July 2018). This included inspection, PID and Kitagawa screening.

No buried pipes or materials with signs of concern were observed. No elevated PID or Kitagawa screening results were recorded (PID results were all less than 1 ppm, no detectable VOC was recorded in the Kitagawa tubes).

As such materials from this trench, and to the east of this trench are considered to have been screened in accordance with the in situ waste classification (Reference DP 85608.14.R.0.23.Rev0, dated 23 May 2018, attached), and the in situ waste classification (relevant to the natural sands east of the trench to a depth of 4m) is considered to apply.

We advise that, based on the survey data provided, the upper 4m of the profile, 10 m either side of the boundary between the site and the former dry cleaner and 10m into the site (i.e. approximately 30 m north-south), has been screened for the presence of VOC.

Attachment 3: SMCSWTSE-JAB-SWL-EX-DRG-515035-01

Attachment 4: SMCSWTSE-JAB-SWL-EX-DRG-515036-01

1.5 Fifth Stage of Screening Trench (16.11.18)

Email from Celine Li (Environmental Scientist Douglas Partners Pty Ltd)

This email is to provide advice on the results of the trench screening on Friday (16/11/18) for the last stage of the trench adjacent to site boundary closest to the former dry cleaner. The trench was excavated within the site abutting the western pile wall.

It is understood that the trench was excavated to a depth of 4 m below the current ground level (8 m below the original ground level) with the northern and southern extents approximately in alignment with the following coordinates:

Easting: 333578.223, Northing: 6247738.503

Easting: 333587.825, Northing: 6247741.295

Easting: 333598.994, Northing: 6247702.887

Easting: 333589.392, Northing: 6247700.094

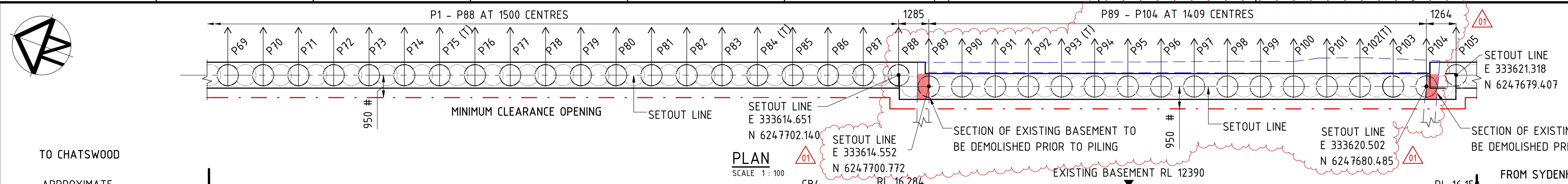
We conducted on-site screening in accordance with the agreed methodology (DP email dated 19 July 2018). This included inspection, PID and Kitagawa screening.

No buried pipes or materials with signs of concern were observed. No elevated PID or Kitagawa screening results were recorded (PID results were all less than 1 ppm, no detectable VOC was recorded in the Kitagawa tubes).

As such materials from this trench, and to the east of this trench are considered to have been screened in accordance with the in situ waste classification (Reference DP 85608.14.R.0.23.Rev0, dated 23 May 2018, attached), and the in situ waste classification (relevant to the natural sands east of the trench to a depth of 8m) is considered to apply.

We advise that, based on the survey data provided, the upper 8 m of the profile, along the section 10 m either side of the boundary opposite the former dry cleaner and 10m into the site (i.e. approximately 30 m north-south), has been screened for the presence of VOC.

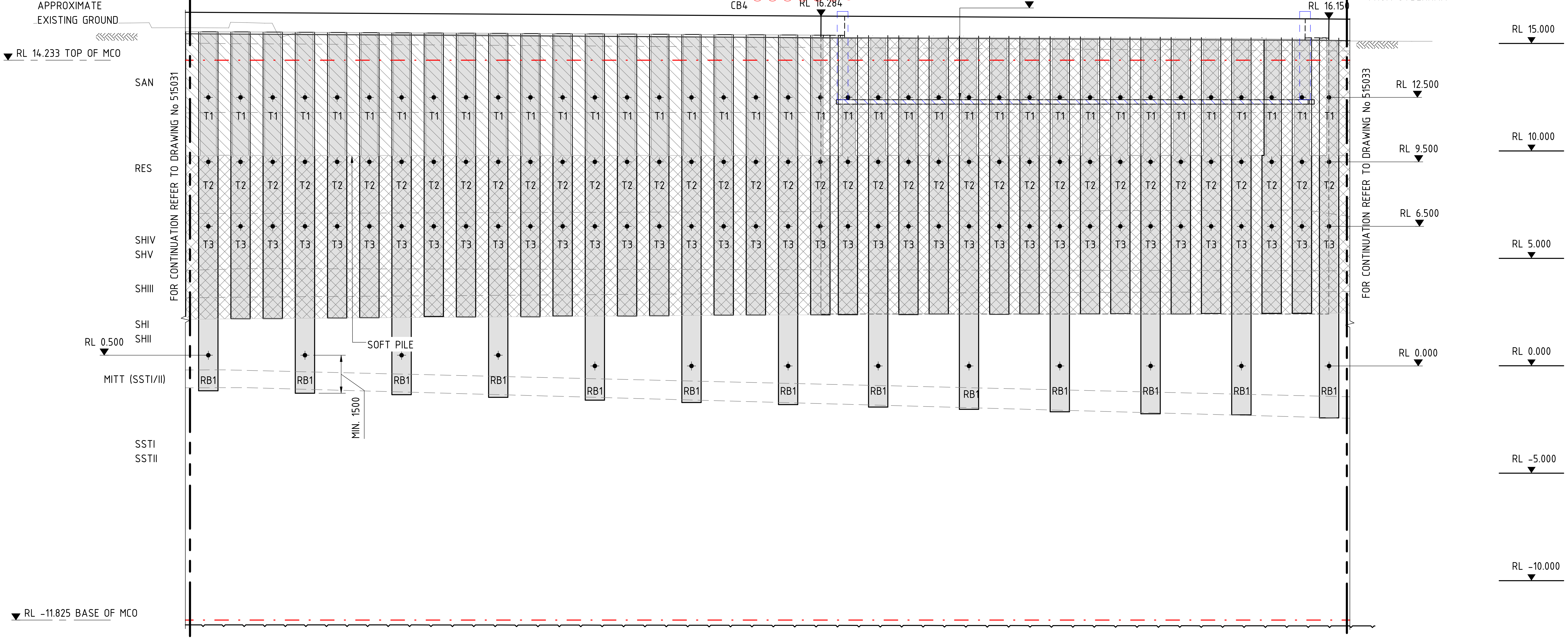
Attachment 1



PLAN
SCALE 1 : 100

NOTES

1. FOR OTHER NOTES RELATING TO THIS DRAWING, REFER TO DRAWING No. 515030.
2. FOR SHOTCRETE LEGEND RELATING TO THIS DRAWING, REFER TO DRAWING No. 515030.



PILE MARK	P69	P70	P71	P72	P73	P74	P75 (T)	P76	P77	P78	P79	P80	P81	P82	P83	P84 (T)	P85	P86	P87
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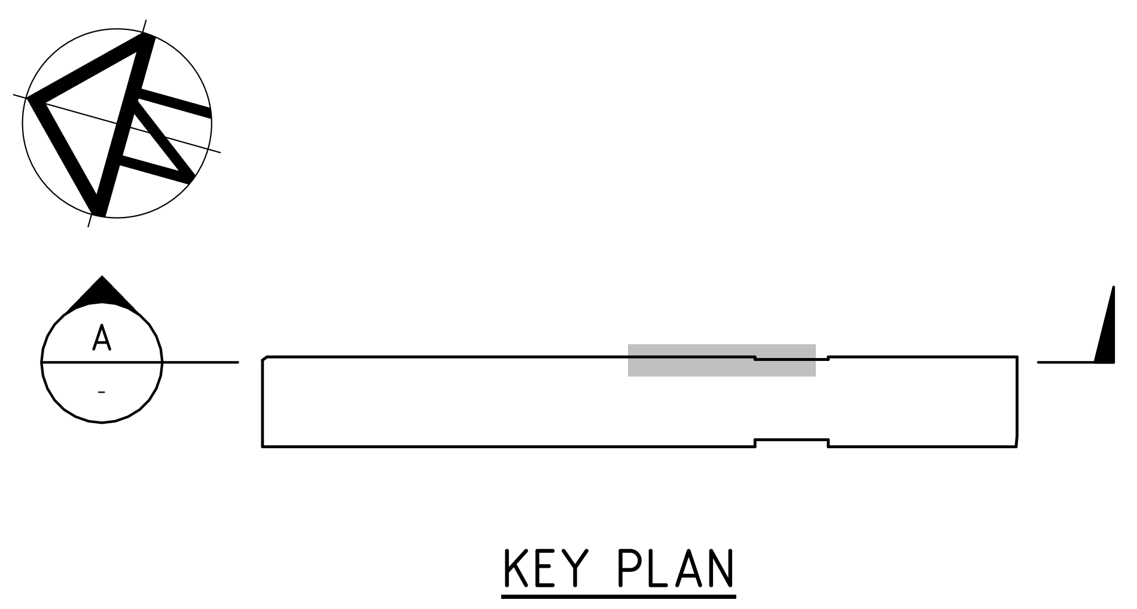
NORTHING	6247729.488	6247728.049	6247726.609	6247725.170	6247723.731	6247722.291	6247720.852	6247719.412	6247717.973	6247716.534	6247715.094	6247713.655	6247712.216	6247710.776	6247709.337	6247707.897	6247706.458	6247705.019	6247703.579
EASTING	333606.630	333607.052	333607.474	333607.896	333608.318	333608.740	333609.163	333609.585	333610.007	333610.429	333610.851	333611.273	333611.695	333612.118	333612.540	333612.962	333613.384	333613.806	333614.229
PILE CUT-OFF RL	15.555	15.547	15.539	15.530	15.522	15.513	15.505	15.497	15.488	15.480	15.472	15.463	15.455	15.447	15.438	15.430	15.422	15.413	15.405
PILE TOE RL	-1.154	2.197	2.209	-1.270	2.232	2.243	-1.336	2.304	2.278	-1.459	2.292	2.320	-1.589	2.327	2.338	-1.700	2.362	2.373	-1.797

PILE MARK	P88	P89	P90	P91	P92	P93 (T)	P94	P95	P96	P97	P98	P99	P100	P101	P102(T)	P103	P104	P105
PILE TYPE	P900-B	P900-B	P900-A	P900-B	P900-B	P900-A	P900-B	P900-B	P900-A	P900-B	P900-B	P900-A	P900-B	P900-B	P900-A	P900-B	P900-B	P900-A
NORTHING	6247702.140	6247700.771	6247699.419	6247698.067	6247696.714	6247695.362	6247694.009	6247692.657	6247691.305	6247689.952	6247688.600	6247687.247	6247685.895	6247684.542	6247683.190	6247681.838	6247680.485	6247679.407
EASTING	333614.651	333614.552	333614.949	333615.345	333615.742	333616.139	333616.535	333616.932	333617.329	333617.725	333618.122	333618.519	333618.915	333619.312	333619.709	333620.105	333620.502	333621.318
PILE CUT-OFF RL	15.397	15.388	15.380	15.372	15.363	15.355	15.347	15.338	15.330	15.321	15.313	15.305	15.296	15.288	15.280	15.280	15.271	15.263
PILE TOE RL	2.381	2.388	-1.913	2.392	2.418	-2.016	2.407	2.418	-2.130	2.421	2.433	-2.226	2.418	2.438	-2.274	2.450	2.451	-2.417

ELEVATION
SCALE 1 : 100

A
515010



KEY PLAN

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
01	P89-P104 AT 1409 DIM ADDED, SETOUT COORDINATES UPDATED (RFI58)	DT / 12.02.18	MI / 12.02.18	GR / 12.02.18
00	ASSURED FOR CONSTRUCTION	DT / 10.01.18	MI / 10.01.18	GR / 10.01.18

CO-ORDINATE SYSTEM: MGA
HEIGHT DATUM: AHD
SCALE: 1:100

SCALES
0 1 2 3 4 5 6m
SCALE 1:100 AT A1 SIZE

IC CERTIFIED - IC CERTIFICATE SMCSWTSE-IC-CER-B2-010-A

CLIENT
[redacted]

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[redacted]

DRAWN	C.V WOERDAN	12.02.18
DESIGNED	D.THOMY	12.02.18
DRG CHECK	R.SAFARIAN	12.02.18
DESIGN CHECK	M.ING	12.02.18
APPROVED	G.RIORDAN	12.02.18

SYDNEY METRO CITY & SOUTHWEST
WATERLOO STATION EXCAVATION AND PRECINCT
OPEN EXCAVATION SHORING
WALL ELEVATIONS
SHEET 3

FILE No.
SHEET: 15 OF 26
A1
STATUS: FOR CONSTRUCTION
©
DRG No.
SMCSWTSE-JAB-SWL-EX-DRG-515032
01
EDMS No.

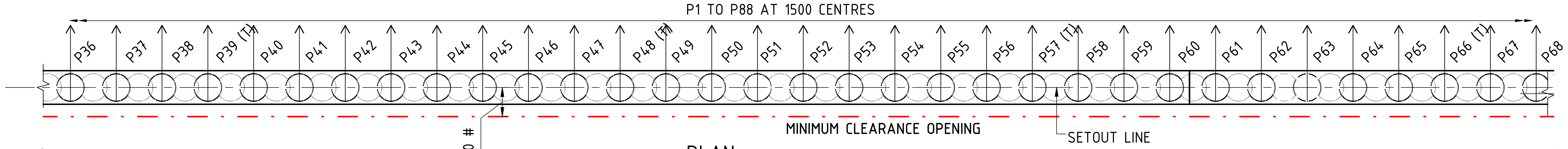
DF 801*554

File Plotted BIM 360://TSE - Sydney Metro/SMCSWTSE-JAB-SWL-EX-MOD-344020.rvt
Plot Date & Time 12/02/2018 3:56:10 PM

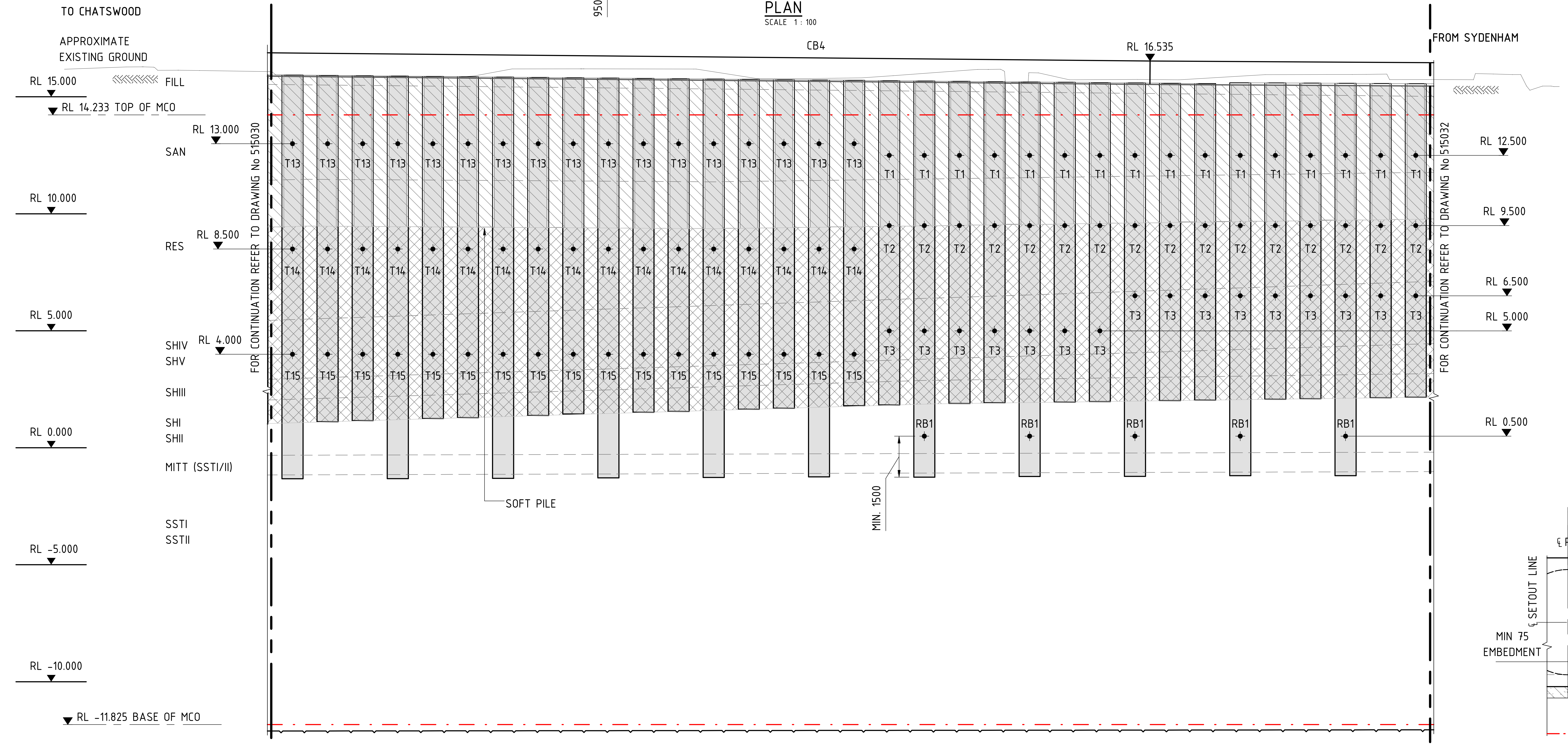
Attachment 2

NOTES

1. FOR OTHER NOTES RELATING TO THIS DRAWING, REFER TO DRAWING No. 515030.
2. FOR SHOTCRETE LEGEND RELATING TO THIS DRAWING, REFER TO DRAWING No. 515030.

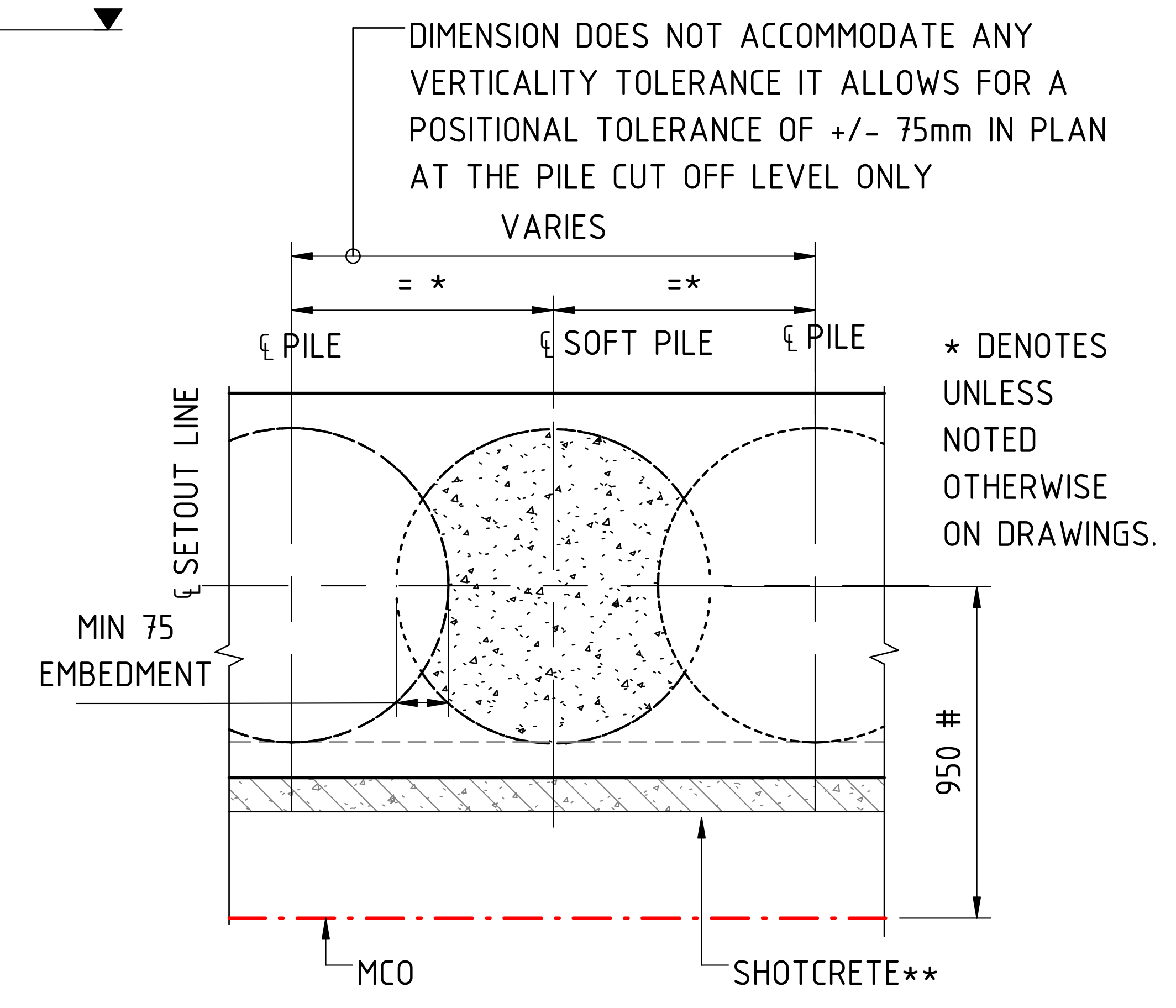


PLAN
SCALE 1 : 100

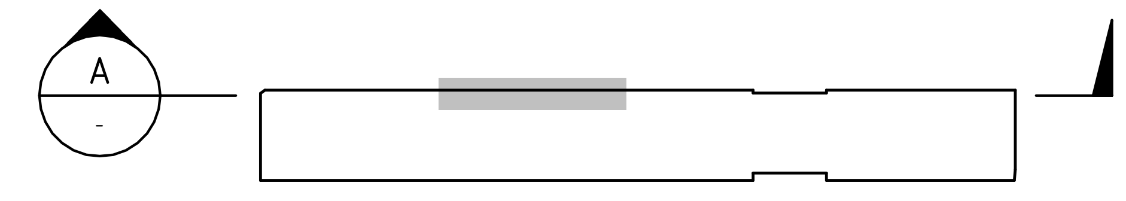


PILE MARK	P36	P37	P38	P39 (T)	P40	P41	P42	P43	P44	P45	P46	P47	P48 (T)	P49	P50	P51	P52	P53	P54	P55	P56	P57 (T)	P58	P59	P60	P61	P62	P63	P64	P65	P66 (T)	P67	P68
PILE TYPE	P900–B	P900–D	P900–D	P900–B	P900–D	P900–D	P900–B	P900–D	P900–D	P900–B	P900–D	P900–D	P900–B	P900–D	P900–D	P900–B	P900–D	P900–B	P900–A	P900–B	P900–B	P900–A	P900–B	P900–B	P900–A	P900–B	P900–B	P900–A	P900–B	P900–B	P900–A	P900–B	P900–B
NORTHING	6247776.988	6247775.548	6247774.108	6247772.669	6247771.230	6247769.790	6247768.351	6247766.912	6247765.472	6247764.033	6247762.593	6247761.154	6247759.715	6247758.275	6247756.836	6247755.397	6247753.957	6247752.518	6247751.078	6247749.639	6247748.200	6247746.760	6247745.321	6247743.882	6247742.442	6247741.003	6247739.564	6247738.124	6247736.685	6247735.245	6247733.806	6247732.367	6247730.927
EASTING	333592.698	333593.120	333593.542	333593.965	333594.387	333594.809	333595.231	333595.653	333596.075	333596.498	333596.920	333597.342	333597.764	333598.186	333598.608	333599.031	333599.453	333599.875	333600.297	333600.719	333601.141	333601.564	333601.986	333602.408	333602.830	333603.252	333603.674	333604.097	333604.519	333604.941	333605.363	333605.785	333606.207
PILE CUT-OFF RL	15.931	15.917	15.903	15.889	15.875	15.862	15.848	15.834	15.820	15.806	15.792	15.778	15.764	15.750	15.736	15.722	15.708	15.694	15.680	15.666	15.652	15.635	15.627	15.609	15.600	15.581	15.571	15.605	15.597	15.589	15.580	15.572	15.564
PILE TOE RL	-1.319	1.117	1.163	-1.315	1.252	1.292	-1.301	1.384	1.450	-1.283	1.522	1.558	-1.266	1.650	1.696	-1.239	1.800	1.834	-1.254	1.896	1.927	-1.222	1.957	1.979	-1.220	2.021	2.041	-1.188	2.081	2.099	-1.187	2.142	2.165

ELEVATION A
SCALE 1 : 100
515010



PILE SETOUT DETAIL
SCALE 1 : 20



KEY PLAN

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
00	ASSURED FOR CONSTRUCTION	DT / 10.01.18	MI / 10.01.18	GR / 10.01.18

CO-ORDINATE SYSTEM: MGA
HEIGHT DATUM: AHD
SCALE: 1:20, 1:100

SCALES
0 1 2 3 4 5 6m
SCALE 1:100 AT A1 SIZE
0 0.2 0.4 0.6 0.8 1.0 1.2m
SCALE 1:20 AT A1 SIZE

IC CERTIFIED - IC CERTIFICATE SMCSWTSE-IC-CER-B2-010-A

CLIENT
[redacted]

[redacted]

DRAWN	C.V WOERDAN	10.01.18
DESIGNED	D.THOMY	10.01.18
DRG CHECK	R.SAFARIAN	10.01.18
DESIGN CHECK	M.ING	10.01.18
APPROVED	G.RIORDAN	10.01.18

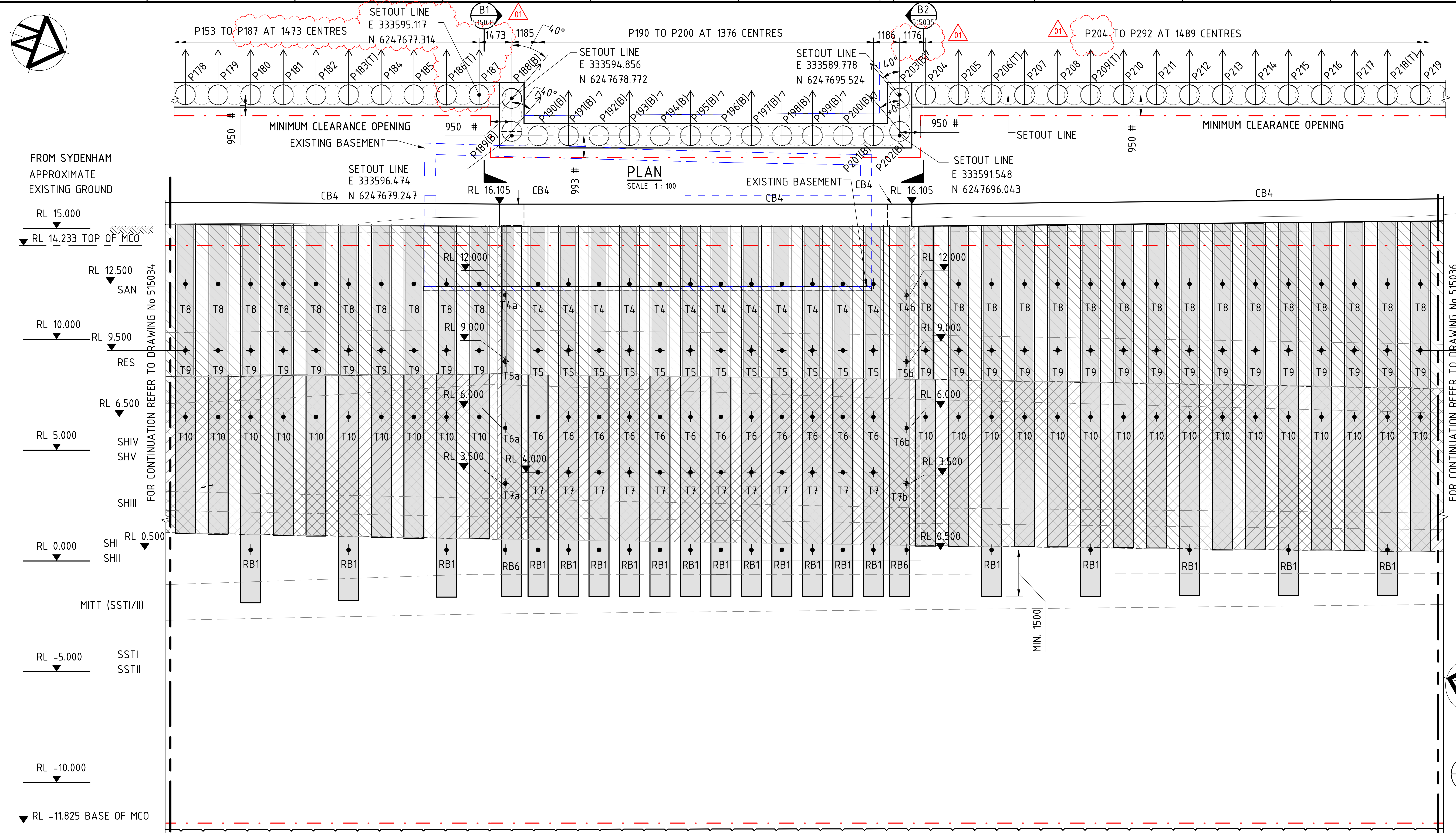
SYDNEY METRO CITY & SOUTHWEST
WATERLOO STATION EXCAVATION AND PRECINCT
OPEN EXCAVATION SHORING
WALL ELEVATIONS
SHEET 2

FILE No.
SHEET: 14 OF 26
A1
STATUS: FOR CONSTRUCTION
©
DRG No. SMCSWTSE-JAB-SWL-EX-DRG-515031
00
EDMS No.

DF 801*554

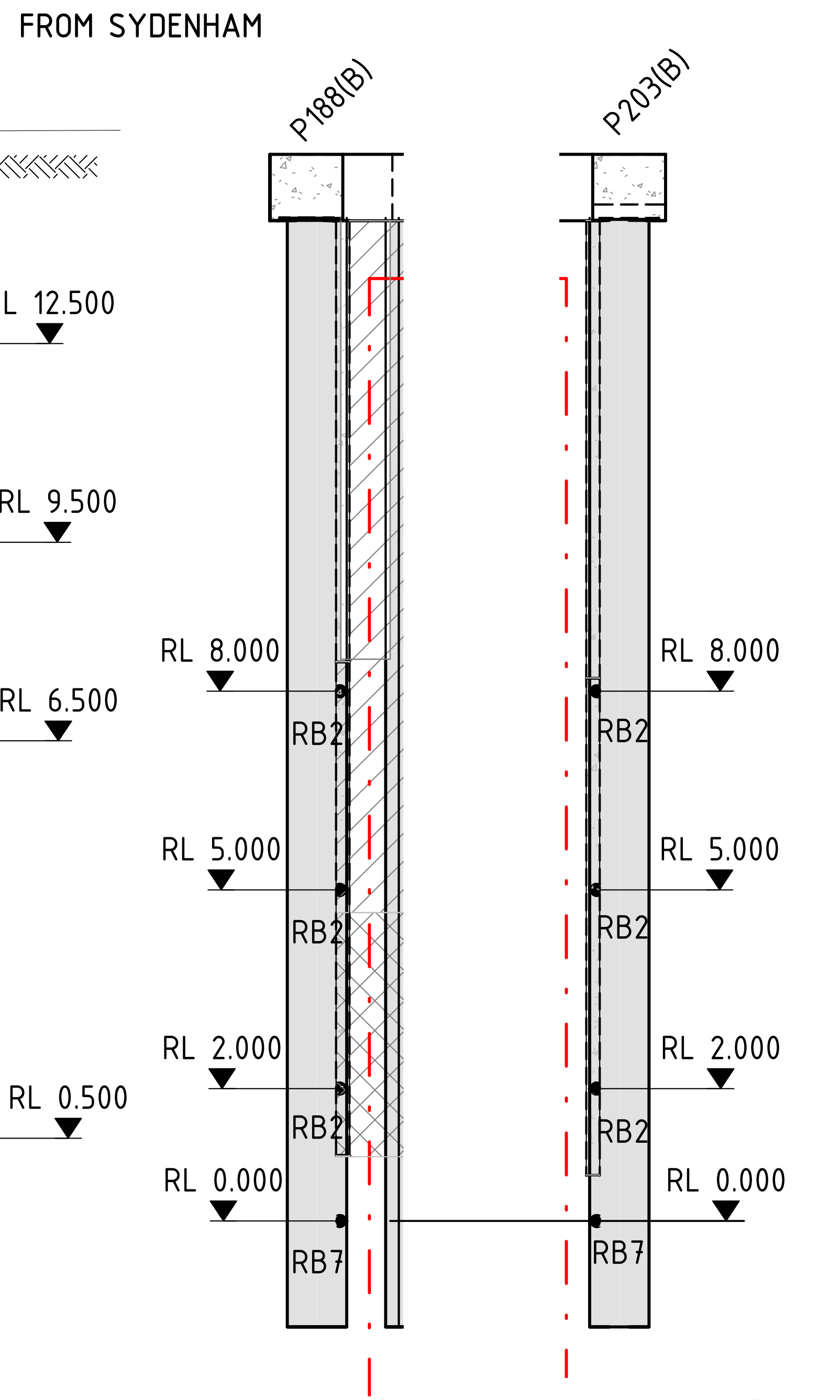
File Plotted BIM 360://TSE - Sydney Metro/SMCSWTSE-JAB-SWL-EX-MOD-3440250.rvt
Plot Date & Time 10/01/2018 4:29:07 PM

Attachment 3



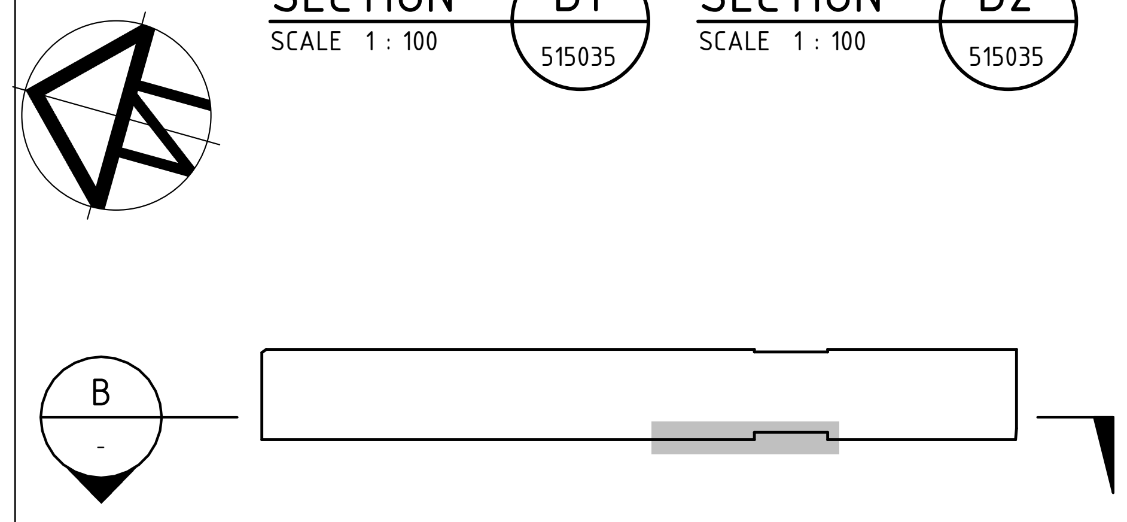
NOTES

1. FOR OTHER NOTES RELATING TO THIS DRAWING, REFER TO DRAWING No. 515030.
2. FOR SHOTCRETE LEGEND RELATING TO THIS DRAWING, REFER TO DRAWING No. 515030.



SECTION B1 515035
SCALE 1 : 100

SECTION B2 515035
SCALE 1 : 100



KEY PLAN

PILE MARK	PILE TYPE	NORTHING	EASTING	PILE CUT-OFF RL	PILE TOE RL
P178	P900-B	6247664.596	333598.848	15.219	1.245
P179	P900-B	6247666.009	333598.433	15.211	1.215
P180	P900-A	6247667.422	333598.019	15.204	-1.890
P181	P900-B	6247668.835	333597.604	15.196	1.154
P182	P900-B	6247670.248	333597.190	15.189	1.124
P183(T)	P900-A	6247671.662	333596.775	15.181	-1.799
P184	P900-B	6247673.075	333596.361	15.174	1.063
P185	P900-B	6247674.488	333595.946	15.166	1.020
P186(T)	P900-A	6247675.901	333595.532	15.140	-1.628
P187	P900-B	6247677.314	333595.117	15.140	1.002
P189(B)	P900-E	6247679.191	333596.282	15.145	-1.600
P190(B)	P900-E	6247680.384	333596.141	15.145	-1.600
P191(B)	P900-E	6247681.704	333595.754	15.145	-1.600
P192(B)	P900-E	6247683.025	333595.366	15.145	-1.600
P193(B)	P900-E	6247684.345	333594.979	15.145	-1.600
P194(B)	P900-E	6247685.665	333594.592	15.145	-1.600
P195(B)	P900-E	6247686.985	333594.205	15.145	-1.600
P196(B)	P900-E	6247688.305	333593.818	15.145	-1.600
P197(B)	P900-E	6247689.625	333593.430	15.145	-1.600
P198(B)	P900-E	6247690.945	333593.043	15.145	-1.600
P199(B)	P900-E	6247692.265	333592.656	15.145	-1.600
P200(B)	P900-E	6247693.585	333592.269	15.145	-1.600
P201(B)	P900-E	6247694.906	333591.882	15.145	-1.600
P202(B)	P900-E	6247695.987	333591.356	15.145	-1.600
P204	P900-B	6247696.652	333589.446	15.126	0.672
P205	P900-B	6247698.080	333589.028	15.110	0.656
P206(T)	P900-A	6247699.508	333588.609	15.126	-1.589
P207	P900-B	6247700.936	333588.190	15.141	0.654
P208	P900-B	6247702.365	333587.771	15.156	0.636
P209(T)	P900-A	6247703.793	333587.352	15.170	-1.586
P210	P900-B	6247705.221	333586.933	15.185	0.600
P211	P900-B	6247706.649	333586.514	15.200	0.582
P212	P900-A	6247708.078	333586.095	15.215	-1.568
P213	P900-B	6247709.506	333585.676	15.230	0.498
P214	P900-B	6247710.934	333585.257	15.245	0.528
P215	P900-A	6247712.362	333584.838	15.263	-1.564
P216	P900-B	6247713.791	333584.420	15.279	0.492
P217	P900-B	6247715.219	333584.001	15.294	0.462
P218(T)	P900-A	6247716.647	333583.582	15.309	-1.543
P219	P900-B	6247718.075	333583.163	15.325	0.438
P220	P900-B	6247719.504	333582.744	15.385	0.420
P188(B)	P900-E	6247678.772	333594.856	15.145	-1.600
P203(B)	P900-E	6247695.566	333589.921	15.145	-1.600

ELEVATION B 515010
SCALE 1 : 100

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
01	PILE SPACING & SETOUT COORDINATES UPDATED (RFI 58)	DT / 12.02.18	MI / 12.02.18	GR / 12.02.18
00	ASSURED FOR CONSTRUCTION	DT / 10.01.18	MI / 10.01.18	GR / 10.01.18

CO-ORDINATE SYSTEM: MGA
HEIGHT DATUM: AHD
SCALE: 1:100

SCALES
0 1 2 3 4 5 6m
SCALE 1:100 AT A1 SIZE

IC CERTIFIED - IC CERTIFICATE SMCSWTSE-IC-CER-B2-010-A

CLIENT
[redacted]

[redacted]

DRAWN C.V WOERDAN 12.02.18
DESIGNED D.THOMY 12.02.18
DRG CHECK R.SAFARIAN 12.02.18
DESIGN CHECK M.ING 12.02.18
APPROVED G.RIORDAN 12.02.18

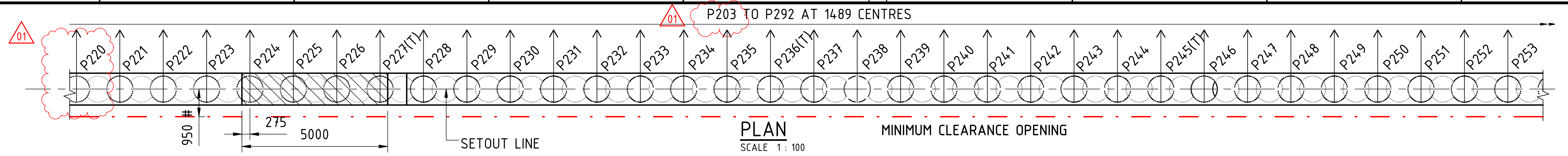
SYDNEY METRO CITY & SOUTHWEST
WATERLOO STATION EXCAVATION AND PRECINCT
OPEN EXCAVATION SHORING
WALL ELEVATIONS
SHEET 6

FILE No.
SHEET: 18 OF 26
A1
STATUS: FOR CONSTRUCTION
©
DRG No.
SMCSWTSE-JAB-SWL-EX-DRG-515035
01
EDMS No.

DF 801*554

File Plotted BIM 360://TSE - Sydney Metro/SMCSWTSE-JAB-SWL-EX-MOD-344020.rvt
Plot Date & Time 12/02/2018 3:56:28 PM

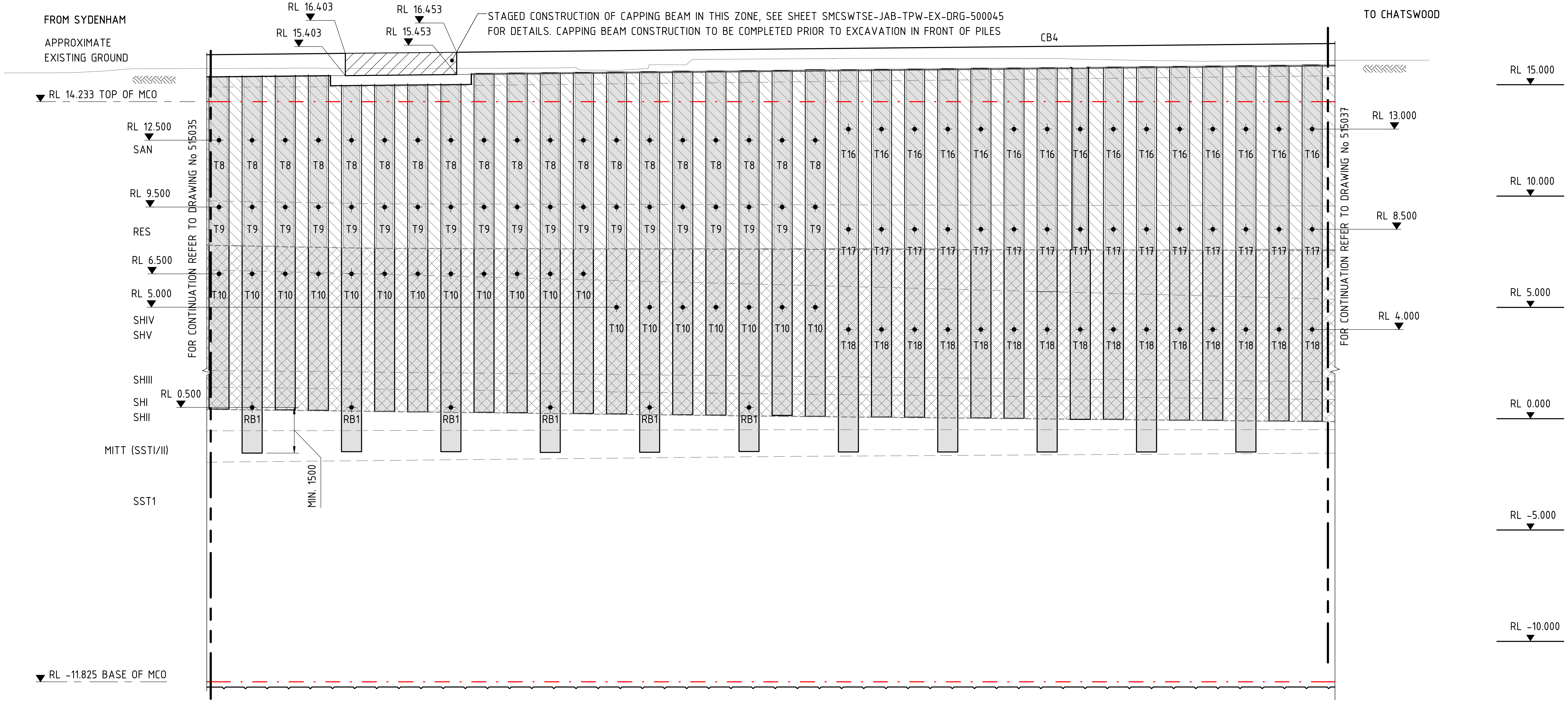
Attachment 4



PLAN
SCALE 1 : 100

NOTES

1. FOR OTHER NOTES RELATING TO THIS DRAWING, REFER TO DRAWING No. 515030.
2. FOR SHOTCRETE LEGEND RELATING TO THIS DRAWING, REFER TO DRAWING No. 515030.

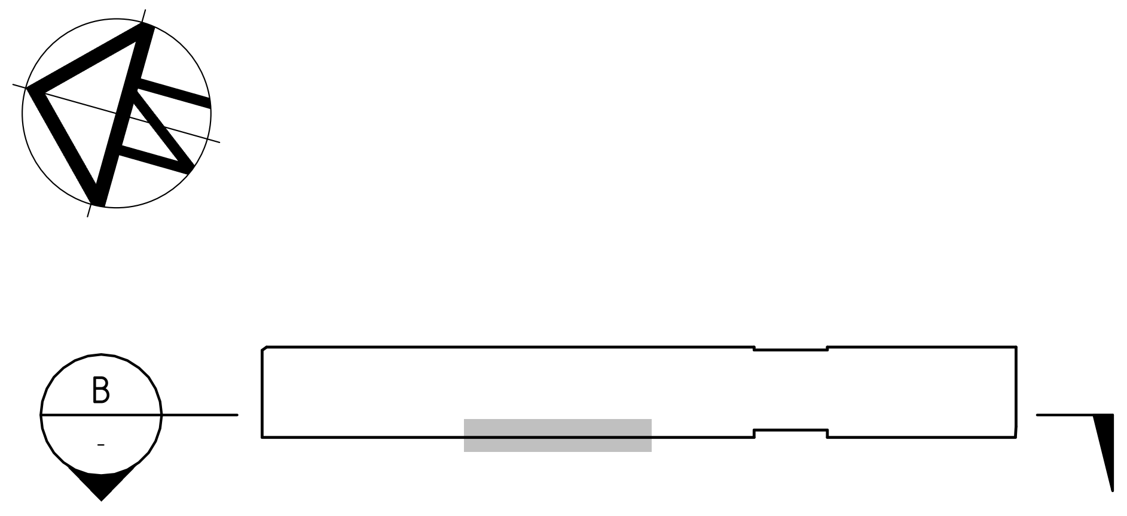


PILE MARK	P220	P221	P222	P223	P224	P225	P226	P227(T)	P228	P229	P230	P231
PILE TYPE	P900-B	P900-A	P900-B	P900-B	P900-A	P900-B	P900-B	P900-A	P900-B	P900-B	P900-A	P900-B
NORTHING	6247719.504	6247720.932	6247722.360	6247723.788	6247725.217	6247726.645	6247728.073	6247729.501	6247730.930	6247732.358	6247733.786	6247735.214
EASTING	333582.744	333582.325	333581.906	333581.487	333581.068	333580.649	333580.231	333579.812	333579.393	333578.974	333578.555	333578.136
PILE CUT-OFF RL	15.385	15.399	15.425	15.434	15.006	15.021	15.035	15.050	15.505	15.520	15.535	15.549
PILE TOE RL	0.420	-1.550	0.384	0.366	-1.489	0.322	0.300	-1.489	0.276	0.260	-1.520	0.222

PILE MARK	P232	P233	P234	P235	P236(T)	P237	P238	P239	P240	P241	P242
PILE TYPE	P900-B	P900-A	P900-B	P900-B	P900-A	P900-B	P900-B	P900-B	P900-D	P900-D	P900-B
NORTHING	6247736.643	6247738.071	6247739.499	6247740.927	6247742.356	6247743.784	6247745.212	6247746.640	6247748.068	6247749.497	6247750.925
EASTING	333577.717	333577.298	333576.879	333576.460	333576.042	333575.623	333575.204	333574.785	333574.366	333573.947	333573.528
PILE CUT-OFF RL	15.564	15.579	15.604	15.609	15.624	15.639	15.672	15.668	15.683	15.698	15.713
PILE TOE RL	0.204	-1.514	0.168	0.150	-1.481	0.141	0.097	-1.500	0.067	0.057	-1.500

PILE MARK	P243	P244	P245(T)	P246	P247	P248	P249	P250	P251	P252	P253
PILE TYPE	P900-D	P900-D	P900-B	P900-D	P900-D	P900-B	P900-D	P900-D	P900-B	P900-D	P900-D
NORTHING	6247752.353	6247753.781	6247755.210	6247756.638	6247758.066	6247759.494	6247760.923	6247762.351	6247763.779	6247765.207	6247766.636
EASTING	333573.109	333572.690	333572.271	01 333571.852	333571.434	333571.015	333570.596	333570.177	333569.758	333569.339	333568.920
PILE CUT-OFF RL	15.735	15.743	15.758	15.787	15.787	15.802	15.817	15.833	15.849	15.867	15.882
PILE TOE RL	0.022	0.007	-1.500	-0.038	-0.038	-1.500	-0.074	-0.083	-1.500	-0.114	-0.127

ELEVATION B
SCALE 1 : 100
515010



KEY PLAN

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
01	PILE ID P220 (RFI43), PILE SPACING RANGE & P246 COORD (RFI58) UPDATED	DT / 12.02.18	MI / 12.02.18	GR / 12.02.18
00	ASSURED FOR CONSTRUCTION	DT / 10.01.18	MI / 10.01.18	GR / 10.01.18

CO-ORDINATE SYSTEM: MGA
HEIGHT DATUM: AHD
SCALE: 1:100

SCALES
0 1 2 3 4 5 6m
SCALE 1:100 AT A1 SIZE

IC CERTIFIED - IC CERTIFICATE SMCSWTSE-IC-CER-B2-010-A

CLIENT

[redacted]

[redacted]

DRAWN C.V WOERDAN 12.02.18
DESIGNED D.THOMY 12.02.18
DRG CHECK R.SAFARIAN 12.02.18
DESIGN CHECK M.ING 12.02.18
APPROVED G.RIORDAN 12.02.18

SYDNEY METRO CITY & SOUTHWEST
WATERLOO STATION EXCAVATION AND PRECINCT
OPEN EXCAVATION SHORING
WALL ELEVATIONS
SHEET 7

FILE No.
SHEET: 19 OF 26
A1
STATUS: FOR CONSTRUCTION
©
DRG No. SMCSWTSE-JAB-SWL-EX-DRG-515036
01
EDMS No.

DF 801*554

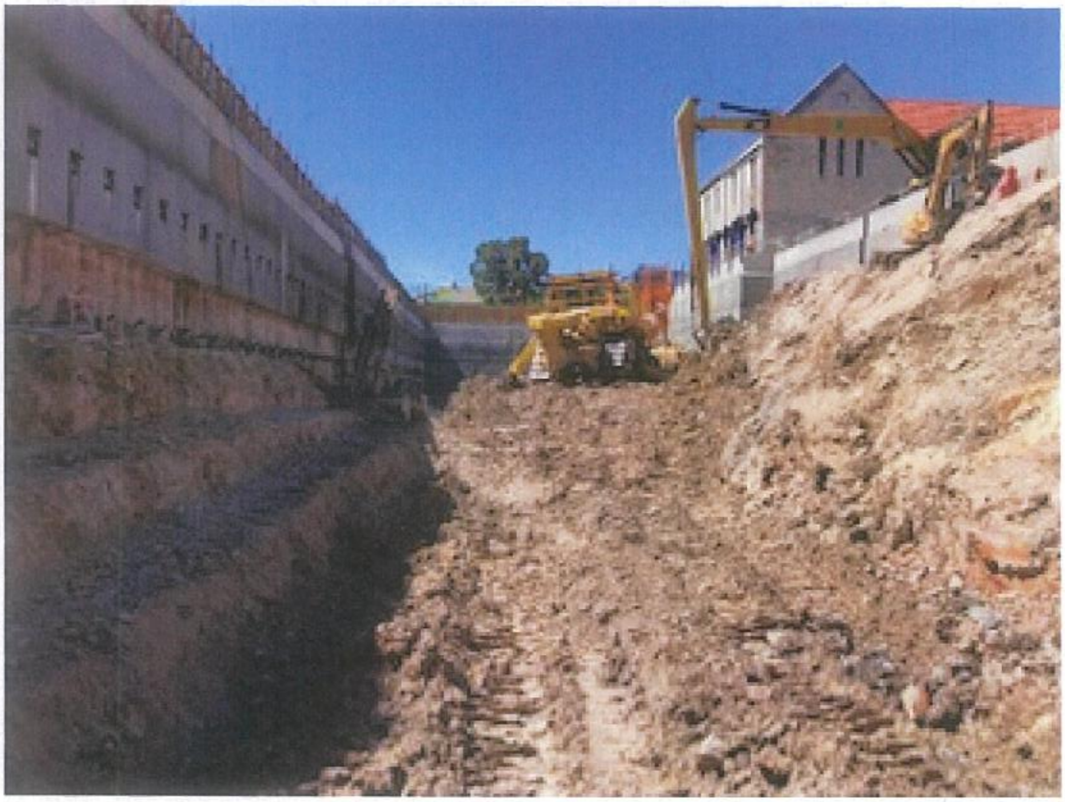
File Plotted BIM 360://TSE - Sydney Metro/SMCSWTSE-JAB-SWL-EX-MOD-344020.rvt
Plot Date & Time 12/02/2018 3:57:41 PM

Appendix J

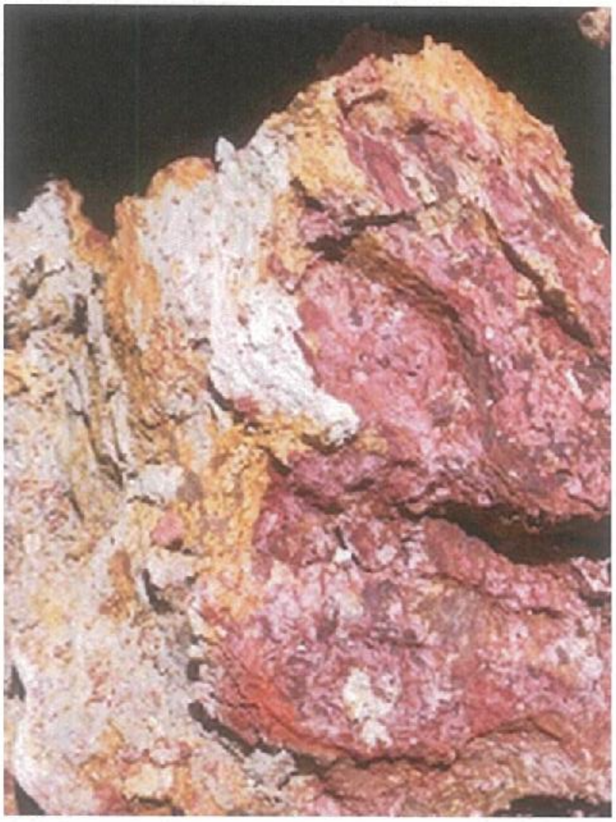
ASS Inspection Records

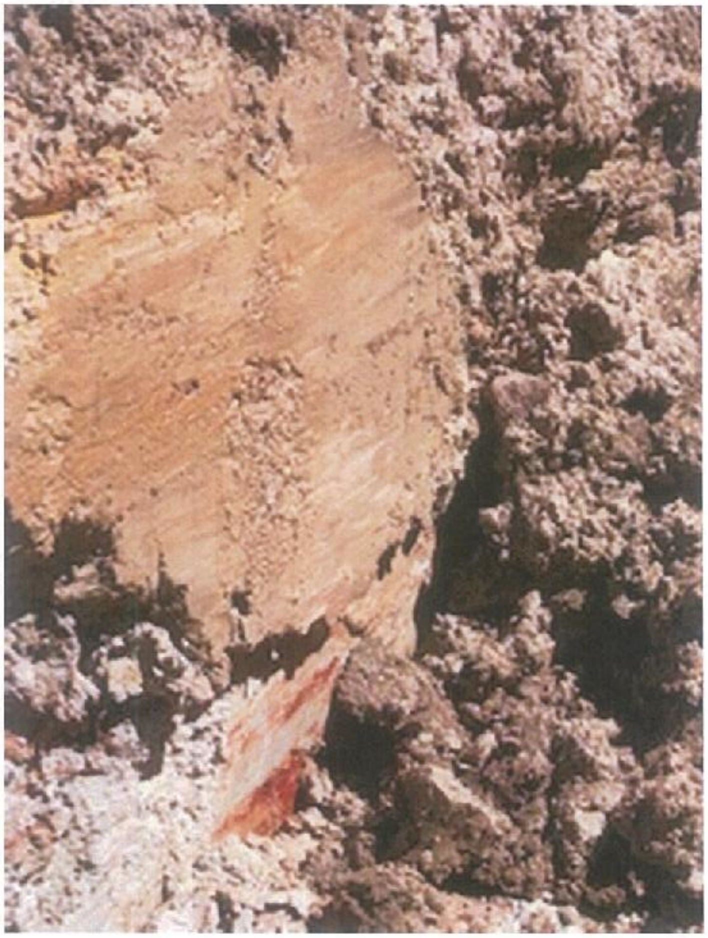
Holocene Sediment Checklist (for ASS)

Date and Time of review:	10/11/15
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	E - G
Depth of excavation:	6 RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe……Clay……
Colour of soils:	White ☑ Dark Grey ☑ Mottled Grey/Red/Yellow ☐ Other ☐ If 'Other' please describe……
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☑ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	No odours or staining
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM Clay
Waste Classification Report Reference:	85608.14.R062



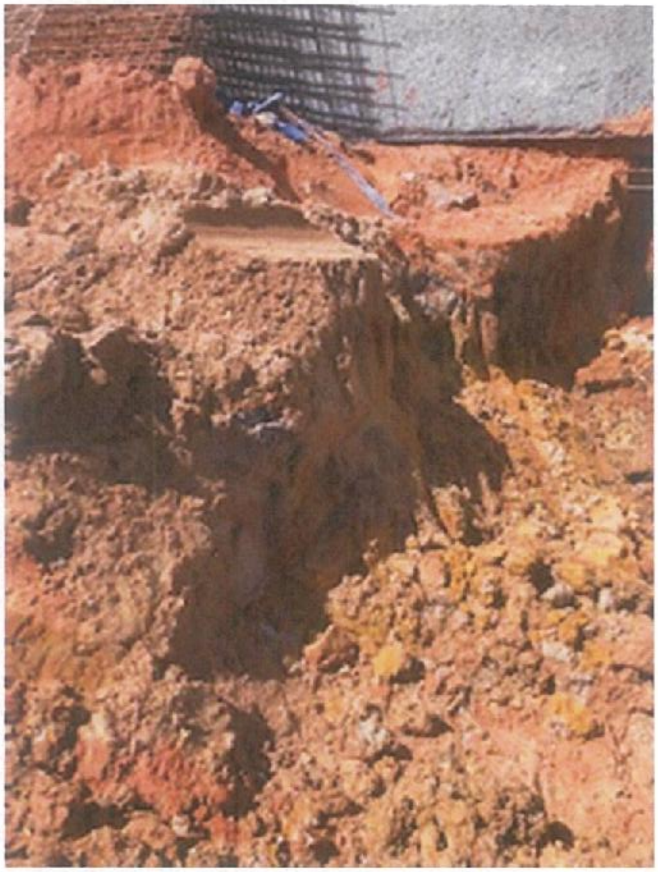
Holocene Sediment Checklist (for ASS)	
Date and Time of review:	10/11/18
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	G - J
Depth of excavation:	8.5
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe……………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe…………………………………………..
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☒ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	—
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM Clay
Waste Classification Report Reference:	85608.14.R062

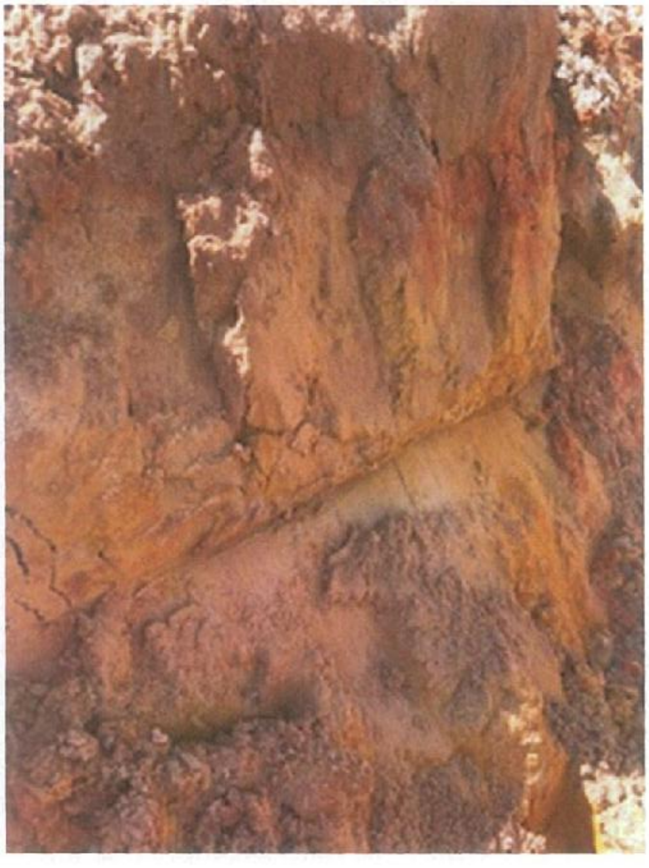




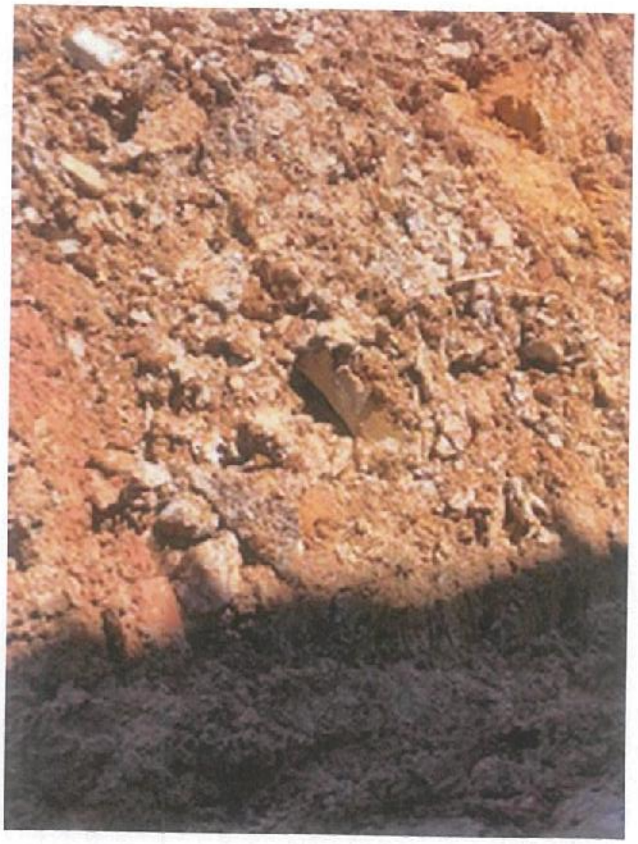
Holocene Sediment Checklist (for ASS)

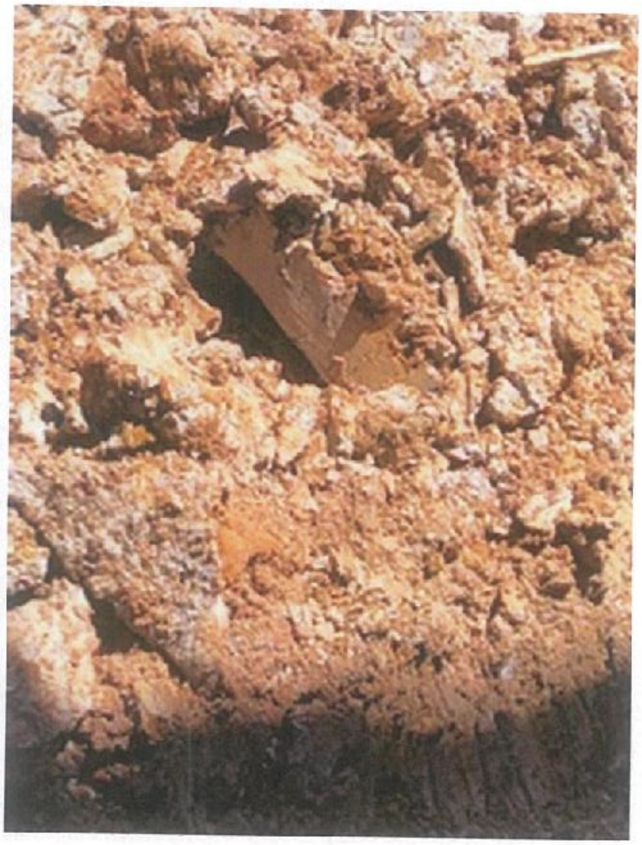
Date and Time of review:	31/10/18
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	E - 4
Depth of excavation:	6RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe………………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe…………………………………………….
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☒ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	No odours or staining
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM CLAY
Waste Classification Report Reference:	85608.14.R062



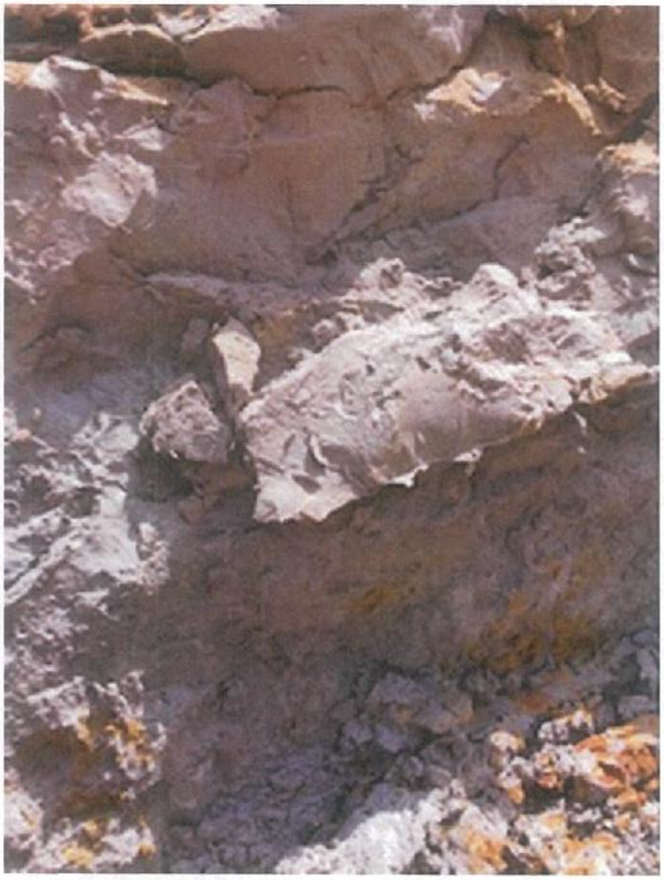


Holocene Sediment Checklist (for ASS)	
Date and Time of review:	31/10/18
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	G - M
Depth of excavation:	
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe…………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☒ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	No odours or staining
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM Clay
Waste Classification Report Reference:	85608.14.R062



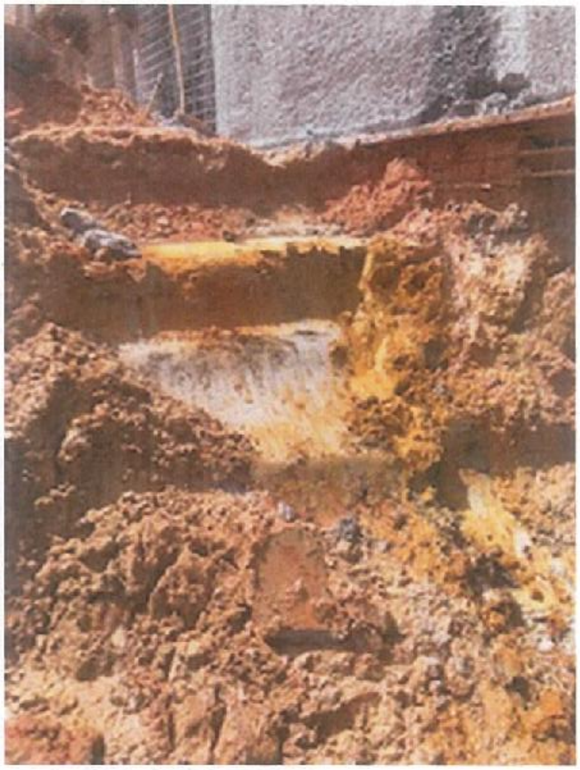


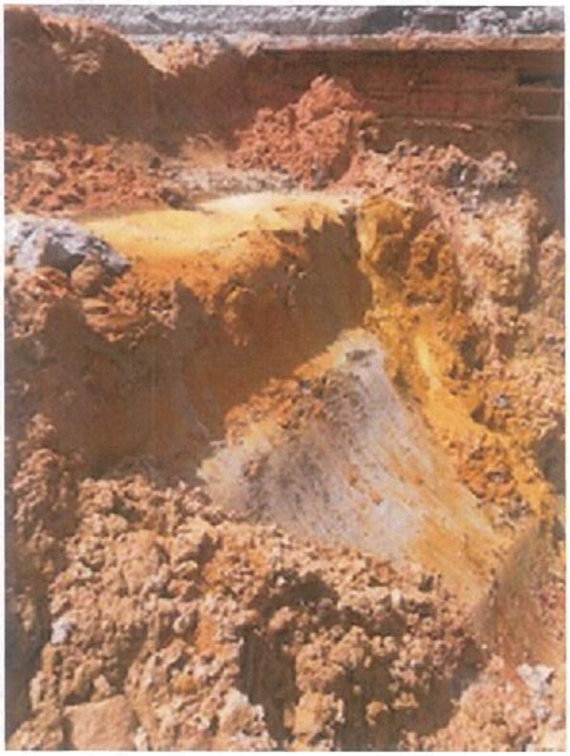
Holocene Sediment Checklist (for ASS)	
Date and Time of review:	25/10/18
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C......):	G - H
Depth of excavation:	
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe..
Colour of soils:	White ☒ Dark Grey ☐ Mottled Grey/Red/Yellow ☐ Other ☐ If 'Other' please describe...
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☒
Other Key Descriptors:	—
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM CLAY
Waste Classification Report Reference:	85608.14.R062



Holocene Sediment Checklist (for ASS)

Date and Time of review:	25/10/18
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	H-T
Depth of excavation:	8.5RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe……………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe……………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☒ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	–
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM CLAY
Waste Classification Report Reference:	85608.14.R062



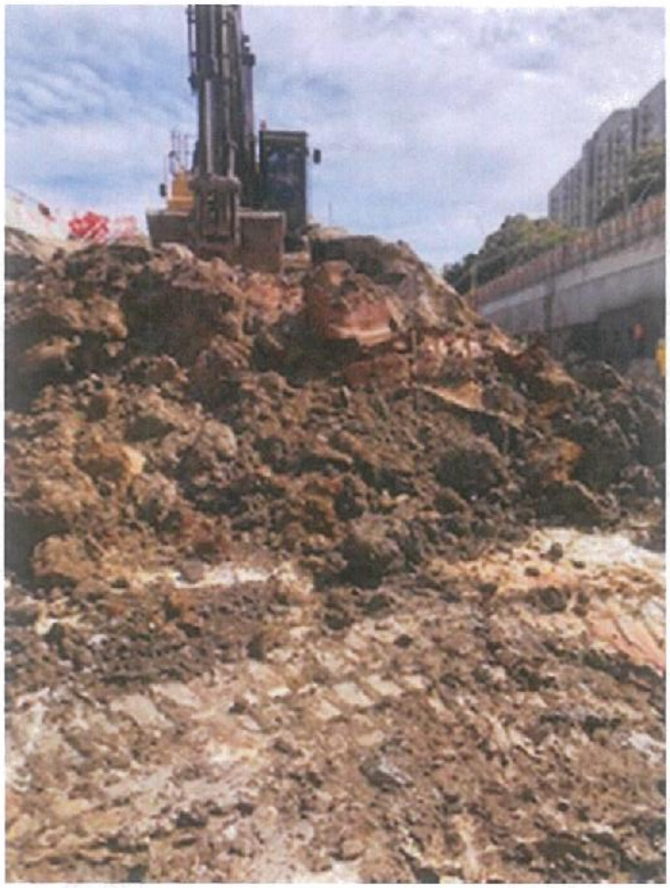


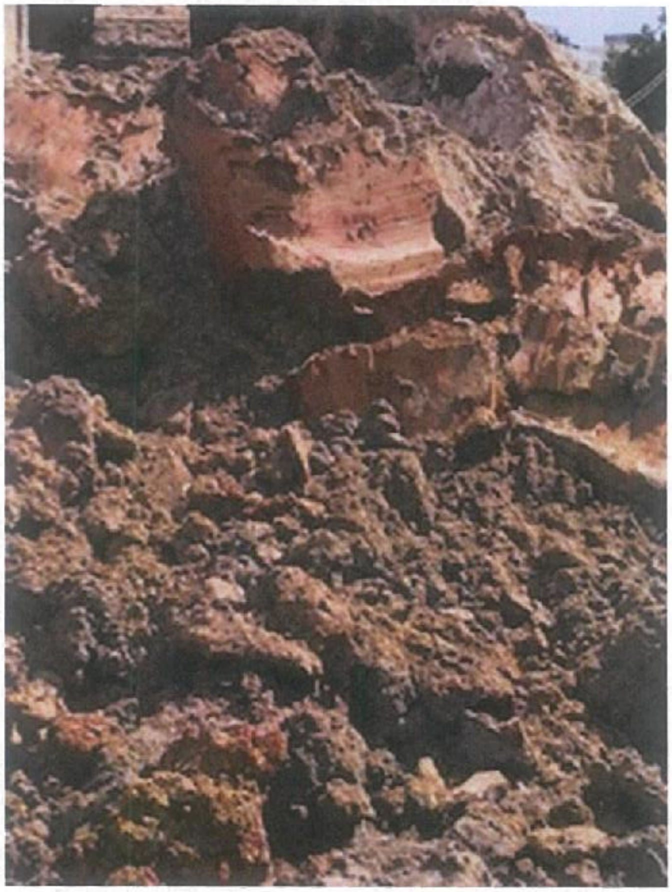
Holocene Sediment Checklist (for ASS)

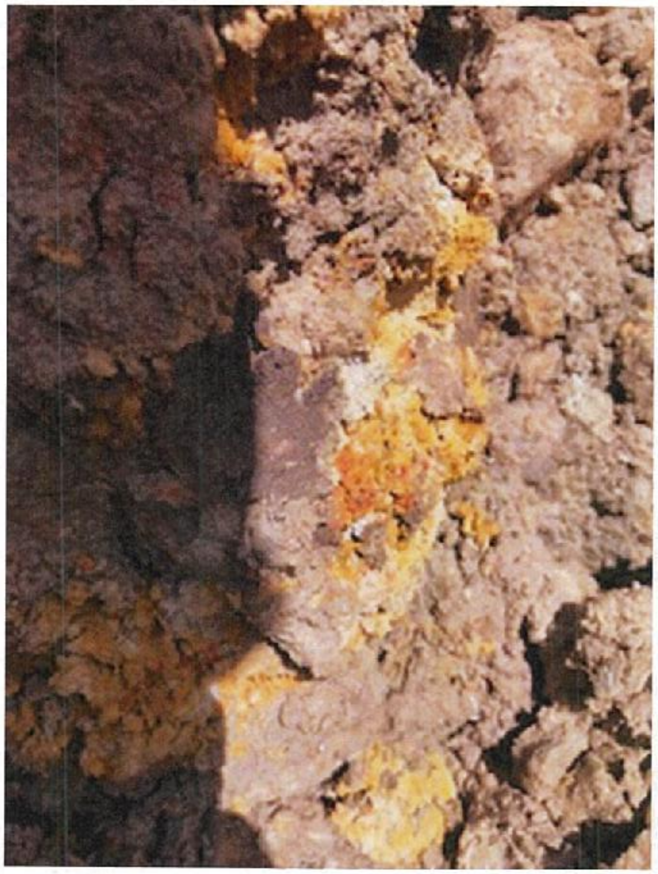
Date and Time of review:	15/10/2018
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	F2/G2
Depth of excavation:	8.5 RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe………………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe……………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☒ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	No odours or staining
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM CLAY
Waste Classification Report Reference:	85608.14.R062

Holocene Sediment Checklist (for ASS)

Date and Time of review:	9/10/2019
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	E2/F2
Depth of excavation:	8.5 RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe…………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe…………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☒ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	No odours or staining
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM CLAY
Waste Classification Report Reference:	8560K.14.R062

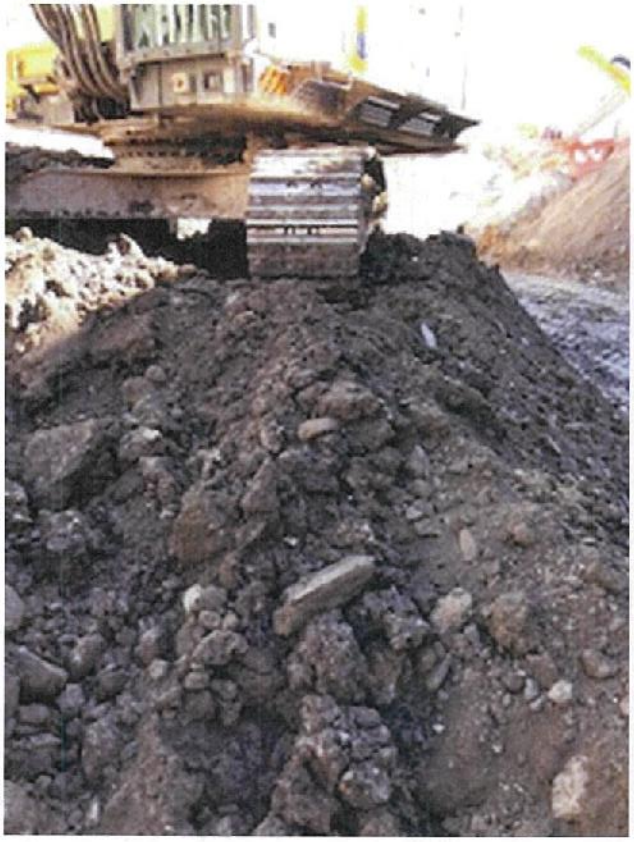




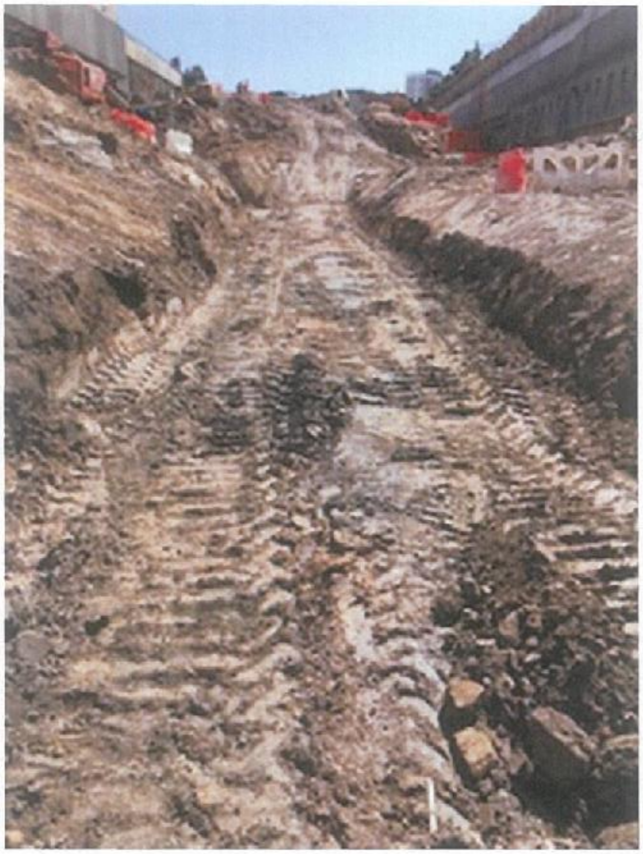


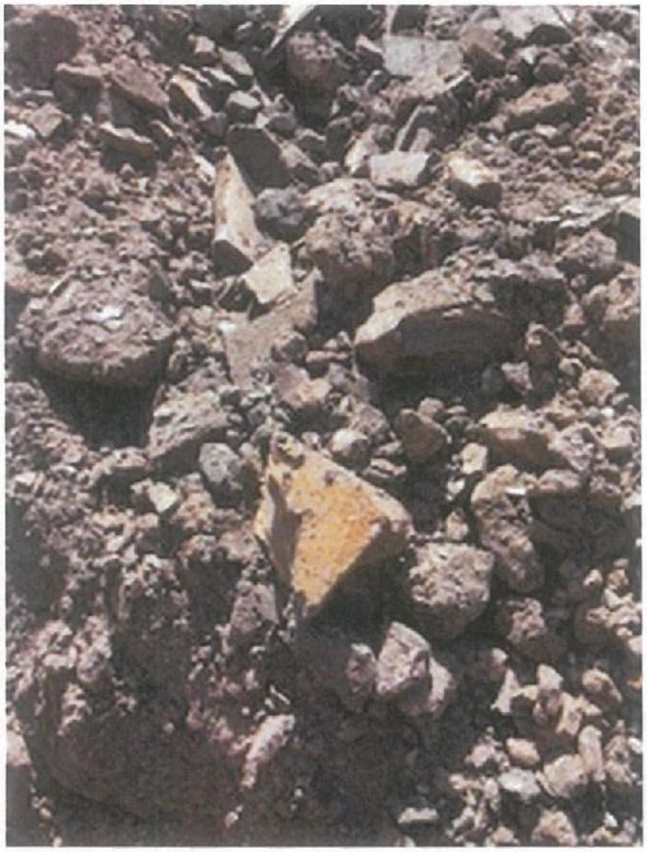
Holocene Sediment Checklist (for ASS)	
Date and Time of review:	25/09/18
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	C3
Depth of excavation:	6.5
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe………………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe……………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☒
Other Key Descriptors:	No staining or odours
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM Clay
Waste Classification Report Reference:	85608.14.R062

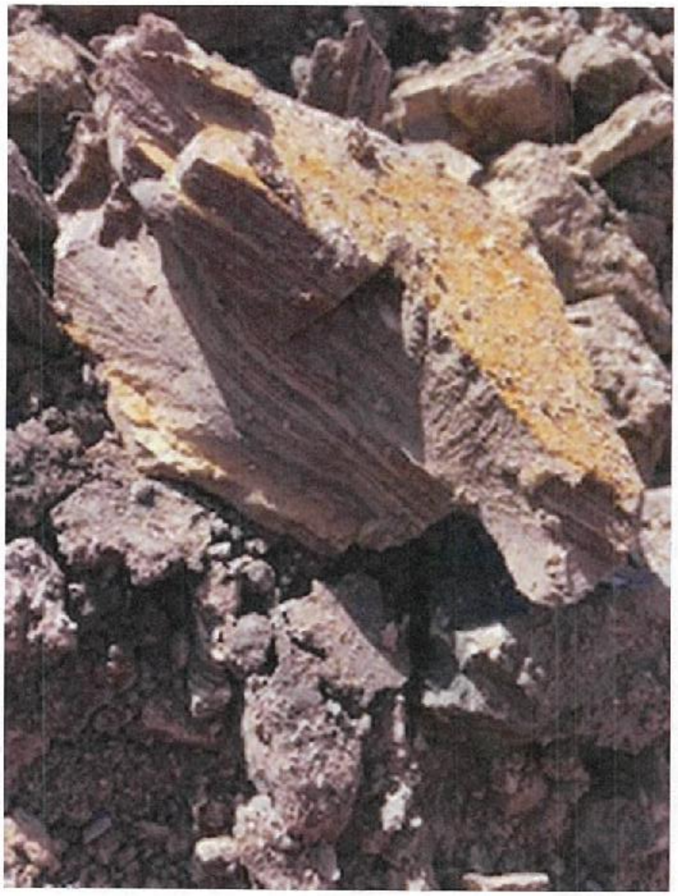
Holocene Sediment Checklist (for ASS)	
Date and Time of review:	18/09/18
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	A3, B7
Depth of excavation:	6.5 RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe…………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☐ Other ☒ If 'Other' please describe……Dark brown/black……
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☒
Other Key Descriptors:	No staining or odours
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM Clay
Waste Classification Report Reference:	85608.14.R.062



Holocene Sediment Checklist (for ASS)	
Date and Time of review:	13/09/18 1100
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	C2
Depth of excavation:	10-8.5RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe……………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☐ Other ☒ If 'Other' please describe…Slate | Dark grey………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☒
Other Key Descriptors:	No odours or staining
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM Clay
Waste Classification Report Reference:	85606.14.R.062

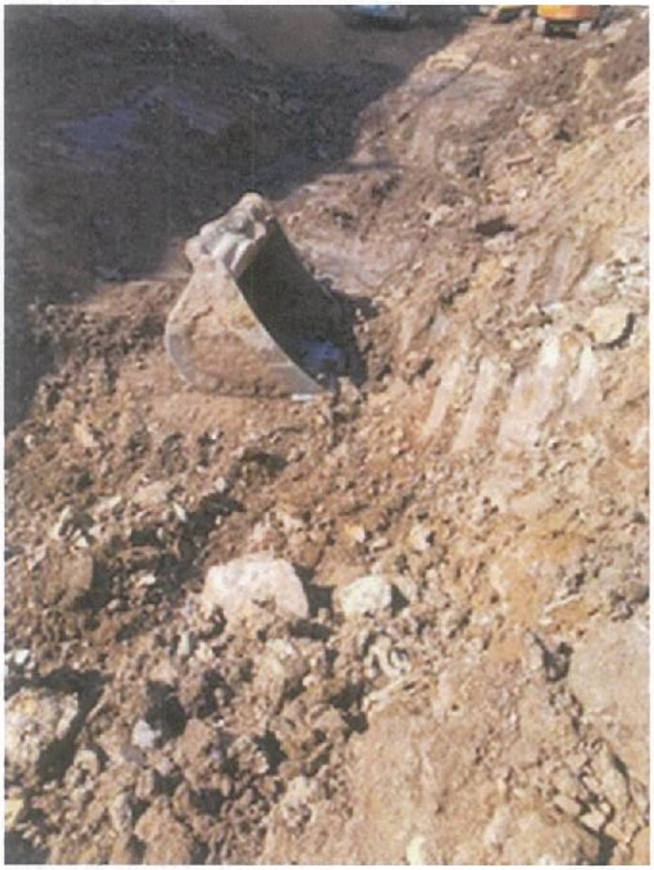


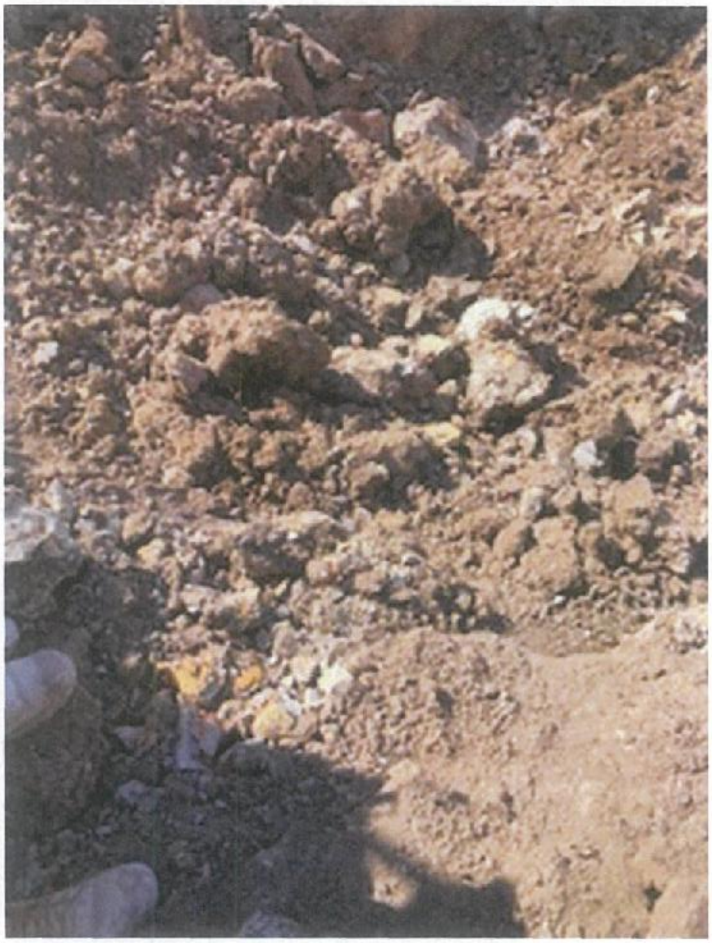


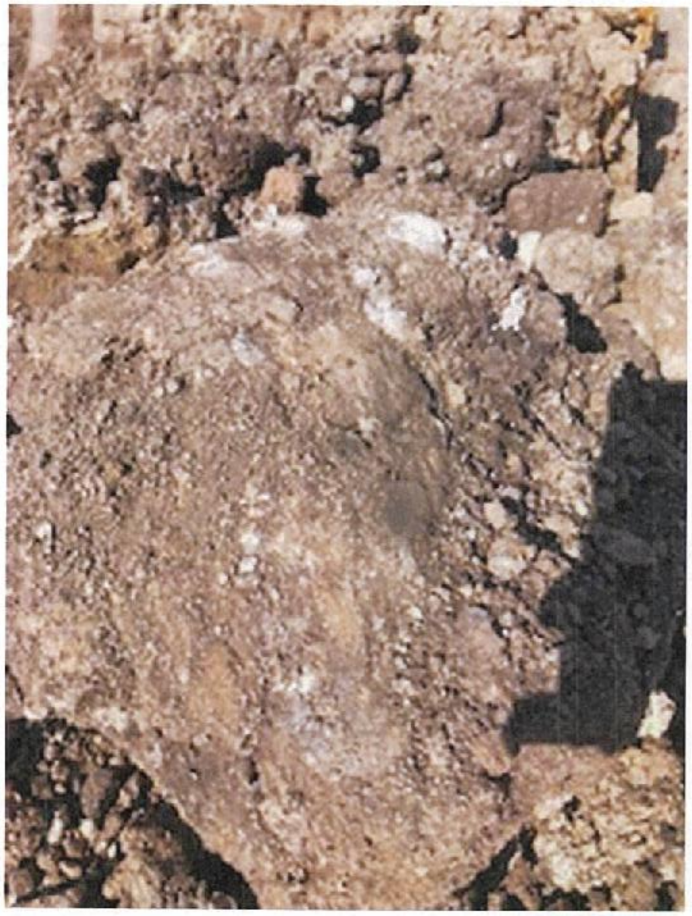


Holocene Sediment Checklist (for ASS)

Date and Time of review:	12/09/2018
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	C2
Depth of excavation:	10 - 8.5RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe……………………………………………
Colour of soils:	White ☐ Dark Grey ☑ Mottled Grey/Red/Yellow ☑ Other ☐ If 'Other' please describe…………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☑ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	No odours or staining
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM Clay
Waste Classification Report Reference:	85608.14.R:052.REV 0

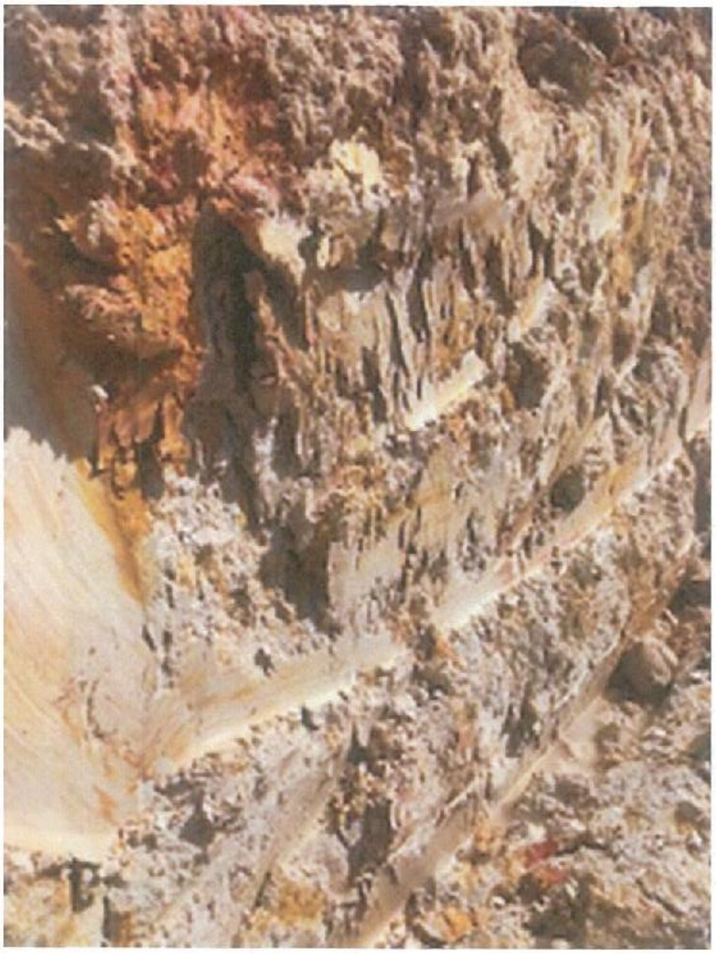


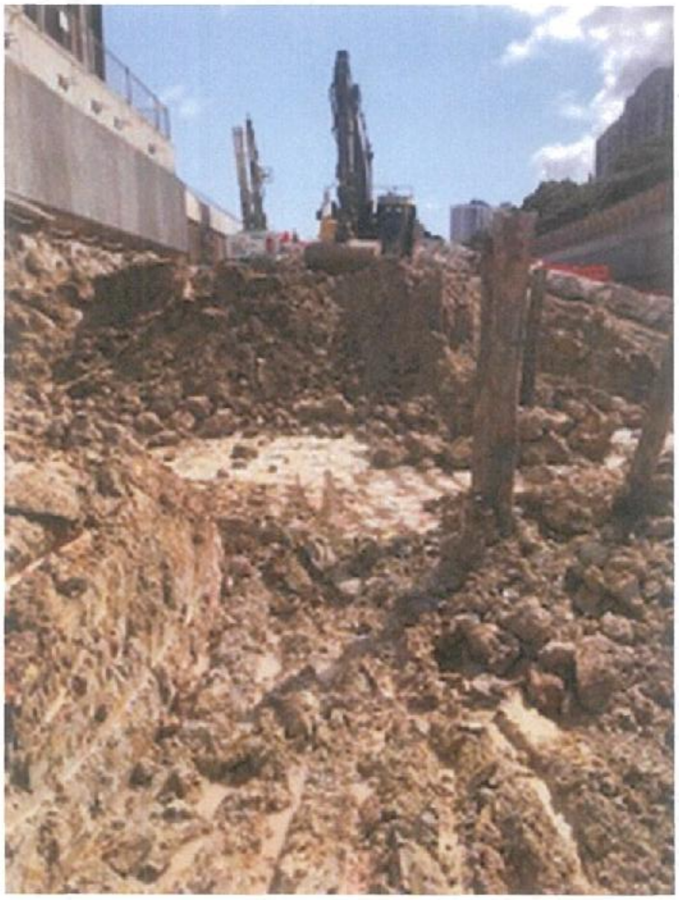


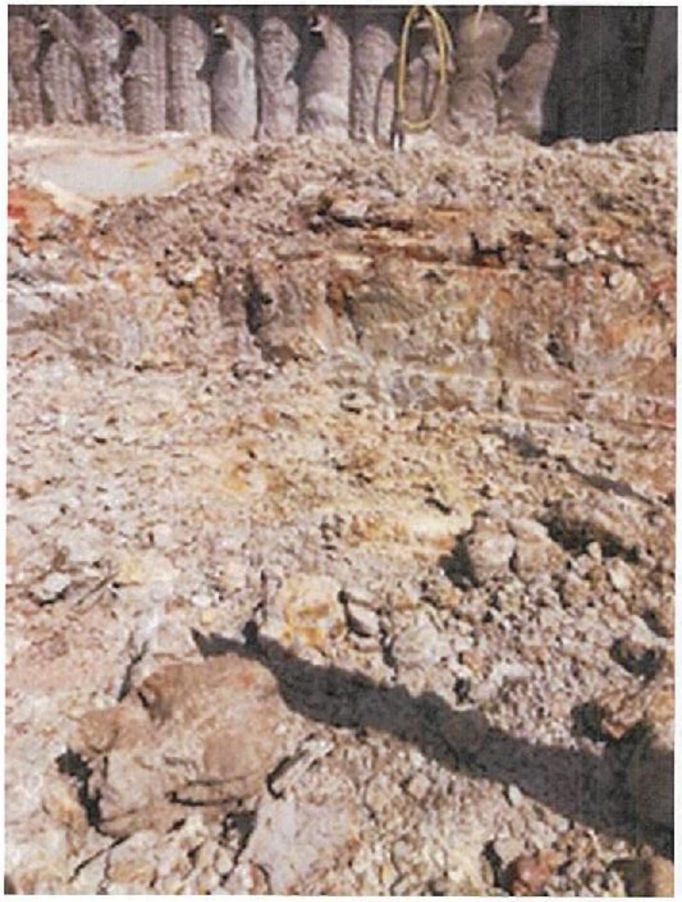


Holocene Sediment Checklist (for ASS)

Date and Time of review:	10/09/2018
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	C2/P2
Depth of excavation:	12 - 8RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe………………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe……………………………………………..
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☒ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	Red/grey clay from below basement slab behind church. No staining or odours
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM Clay
Waste Classification Report Reference:	85608.14.R.062







Holocene Sediment Checklist (for ASS)

Date and Time of review:	06/09/2019
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	A3, B3
Depth of excavation:	8.8 - 7 RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☑ Other ☐ If Other please describe……………………………………………
Colour of soils:	White ☐ Dark Grey ☑ + Dark brown Mottled Grey/Red/Yellow ☐ Other ☐ If 'Other' please describe……………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☑
Other Key Descriptors:	No odour or staining
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM clay
Waste Classification Report Reference:	85608.14.R.062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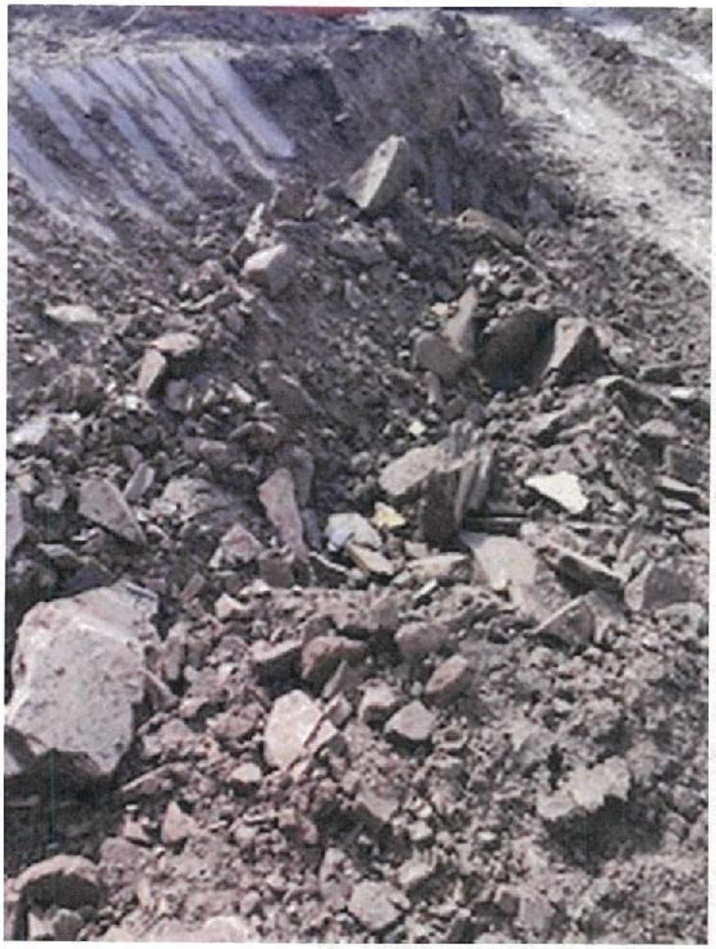
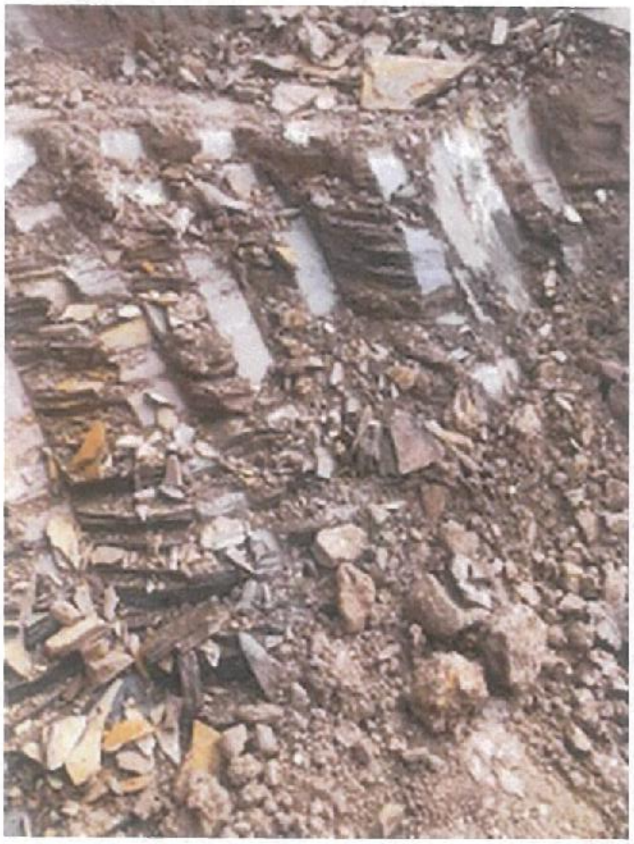


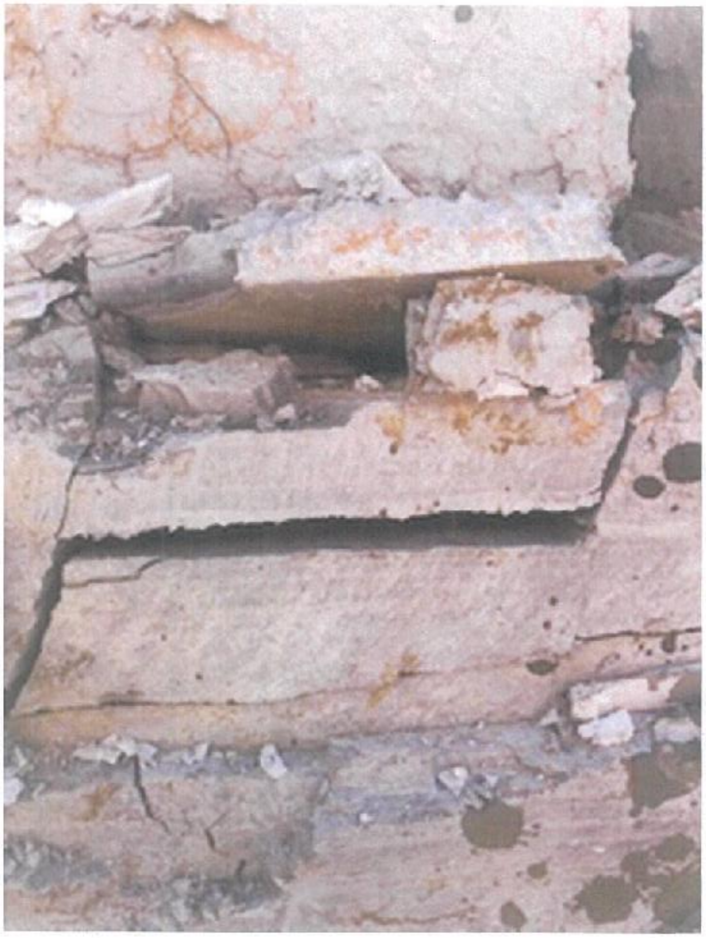
Holocene Sediment Checklist (for ASS)

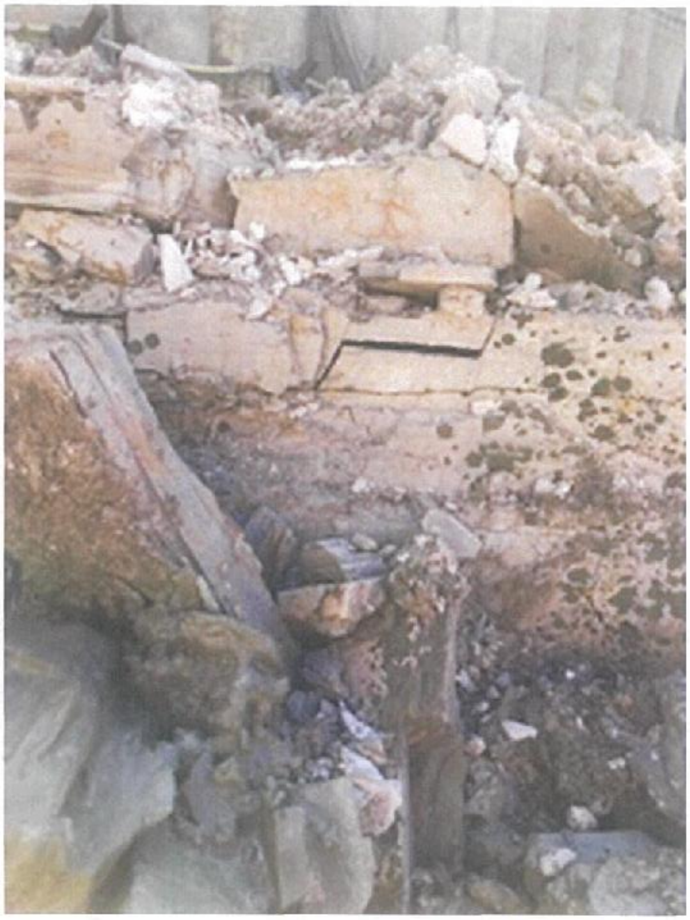
Date and Time of review:	05/09/2018
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	A3, B3
Depth of excavation:	8.8 - 7 RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☑ Other ☐ If Other please describe………………………………………………
Colour of soils:	White ☐ Dark Grey ☑ + Dark brown Mottled Grey/Red/Yellow ☐ Other ☐ If 'Other' please describe……………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☑
Other Key Descriptors:	Turning to dark brown/black in areas No odour or staining
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM CLAY
Waste Classification Report Reference:	85608.14.R.062



Holocene Sediment Checklist (for ASS)

Date and Time of review:	04/09/2018
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	A3, B3
Depth of excavation:	8.8RL – 8.0RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☑ Other ☐ If Other please describe……………………………………………
Colour of soils:	White ☐ Dark Grey ☑ Mottled Grey/Red/Yellow ☐ Other ☐ If 'Other' please describe…………………………………………..
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☑
Other Key Descriptors:	No staining or odour
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM CLAY (PLEISTOCENE)
Waste Classification Report Reference:	85608.14.062





Holocene Sediment Checklist (for ASS)

Date and Time of review:	30/08/2018 1220pm
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	B2, C2
Depth of excavation:	8-4.5 RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☑ Other ☐ If Other please describe…………………………………………
Colour of soils:	White ☐ Dark Grey ☑ Mottled Grey/Red/Yellow ☐ Other ☐ If 'Other' please describe………………………………………..
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☑
Other Key Descriptors:	No odours or staining
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☑
Determination:	VENM CLAY (PLEISTOCENE)
Waste Classification Report Reference:	85608.14.R.062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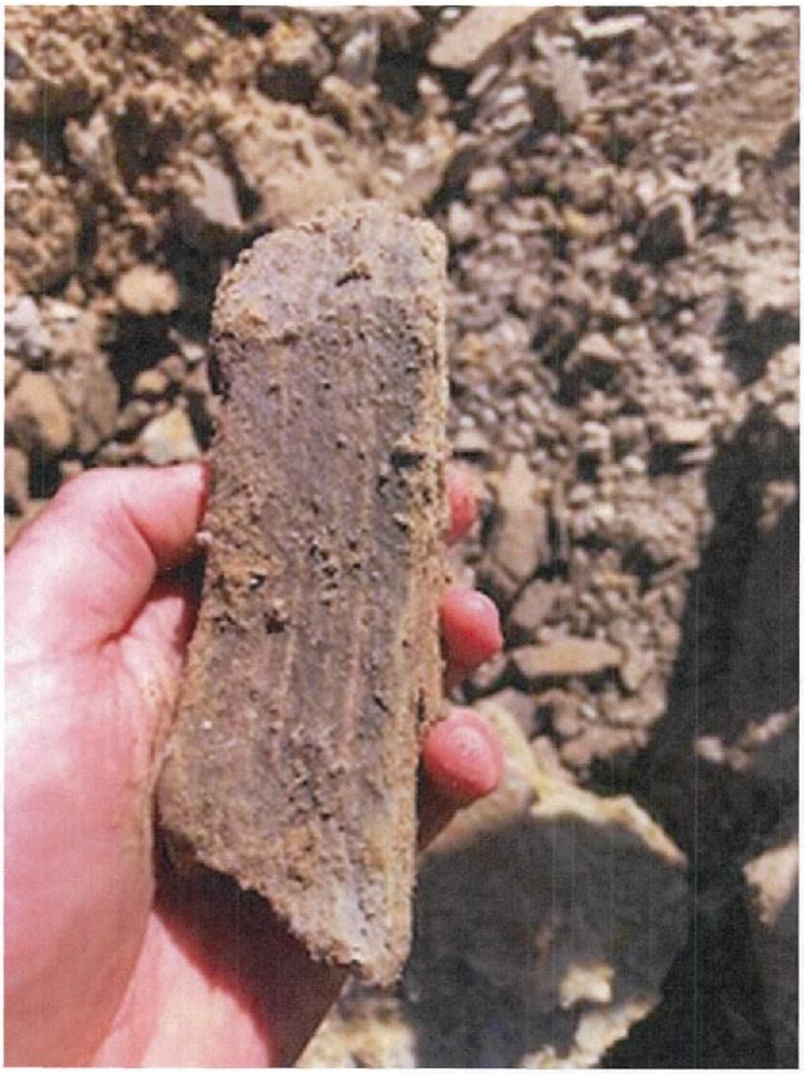
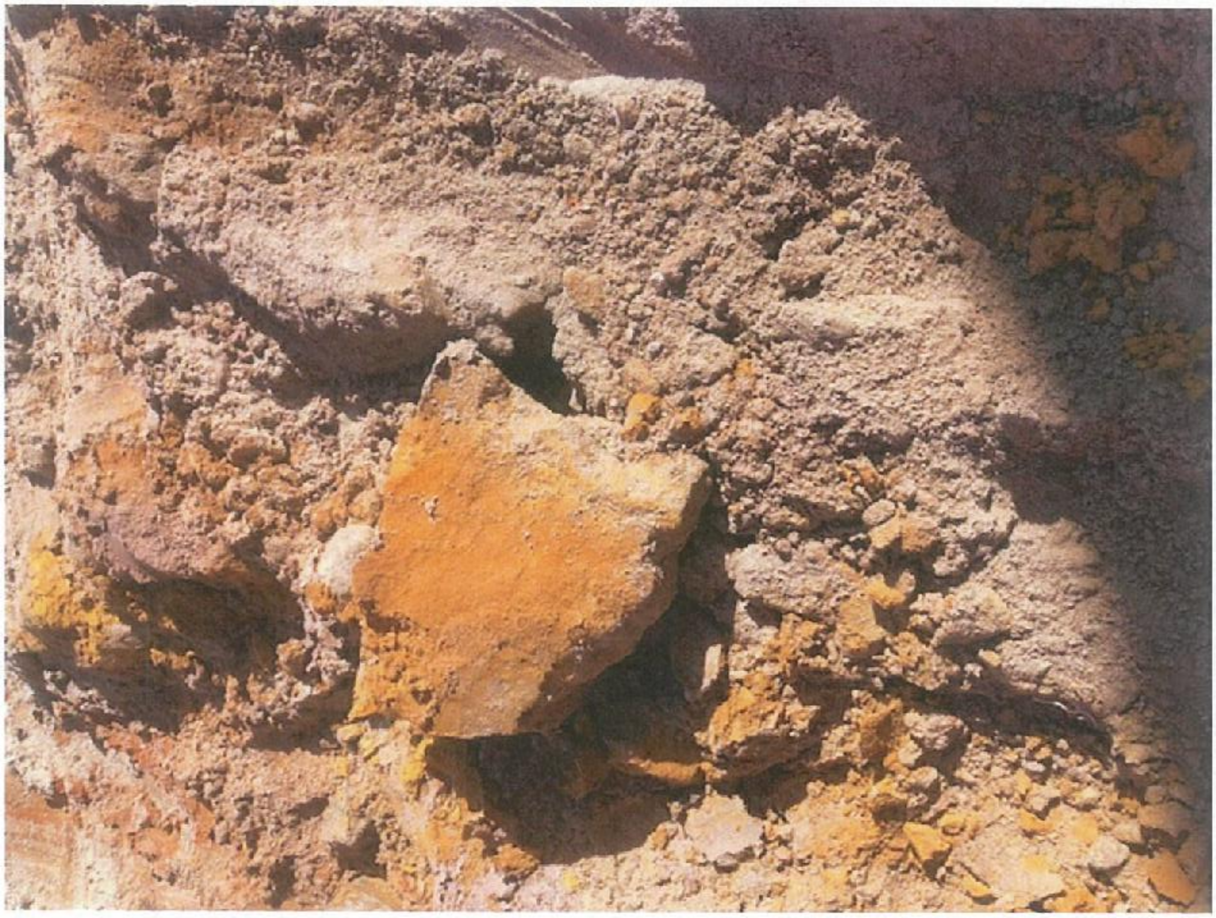
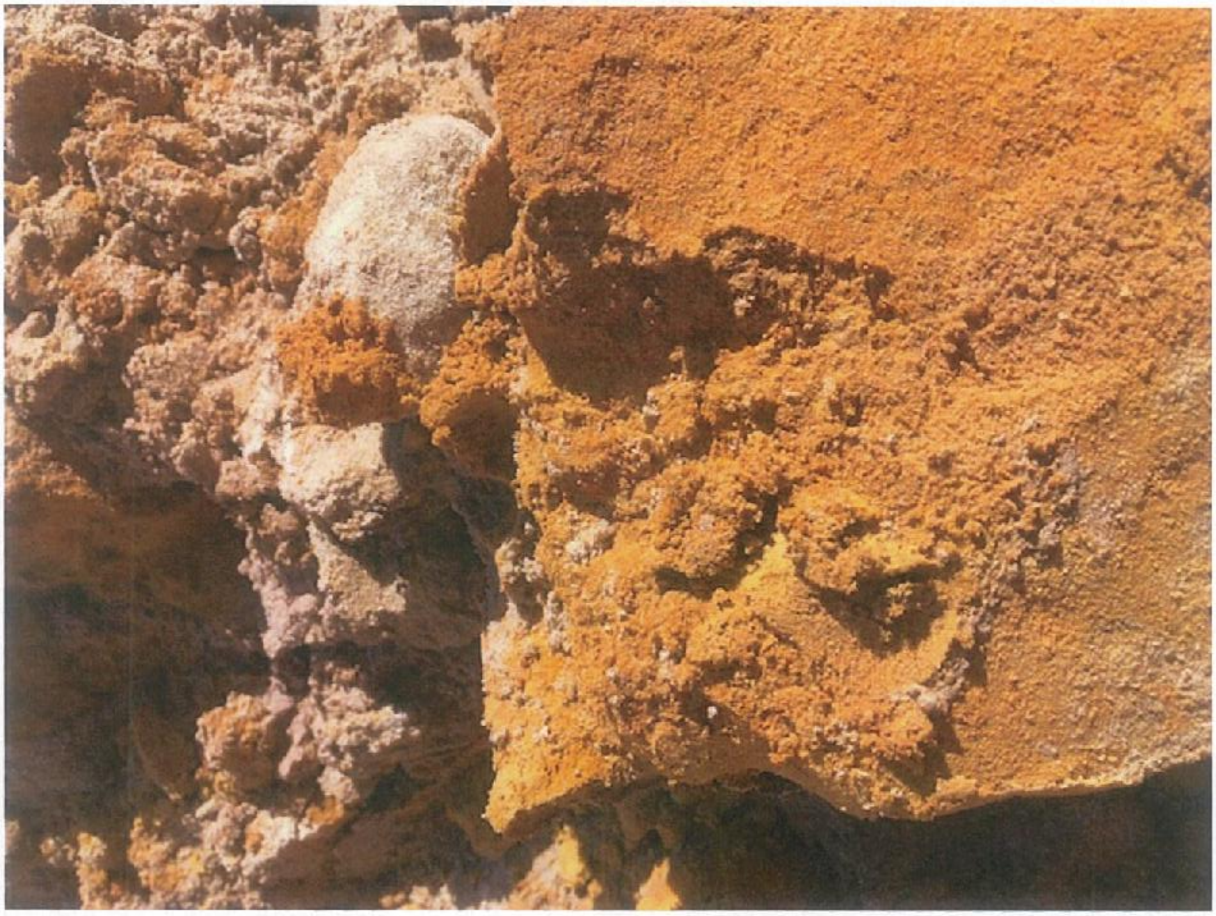


Holocene Sediment Checklist (for ASS)

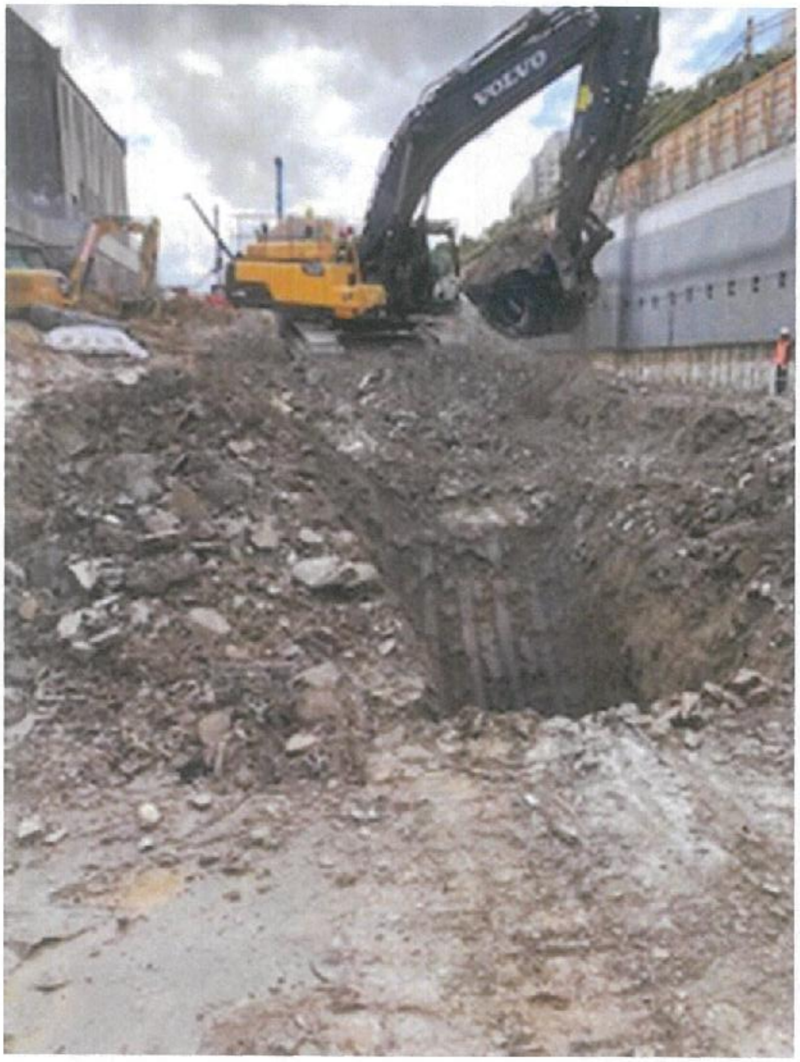
Date and Time of review:	29/08/2018
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	D2/E2
Depth of excavation:	8-11RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☑ Clay ☐ Other ☐ If Other please describe………………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☑ Other ☐ If 'Other' please describe…………………………………………….
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☑ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	Red solid pleistocene clay interspersed with weak yellow sands
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☑ No ☐
Determination:	PASS - Treated as per ASSMP Confirmed with DP
Waste Classification Report Reference:	





Holocene Sediment Checklist (for ASS)

Date and Time of review:	23/08/18 1150
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	A2, B2
Depth of excavation:	8-11 RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe…………………………………………
Colour of soils:	White ☐ Dark Grey ☒ Mottled Grey/Red/Yellow ☐ Other ☐ If 'Other' please describe…………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☒ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	Lamina like shale but still malleable like clay
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM CLAY
Waste Classification Report Reference:	85608.14.R.062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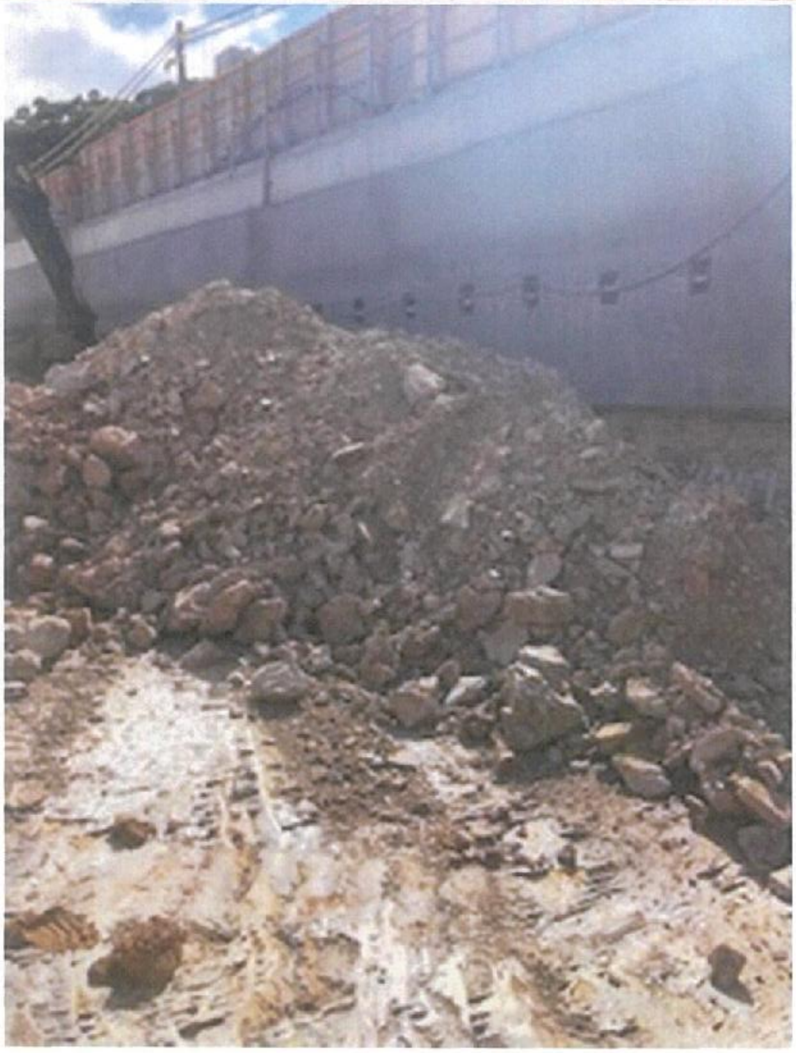
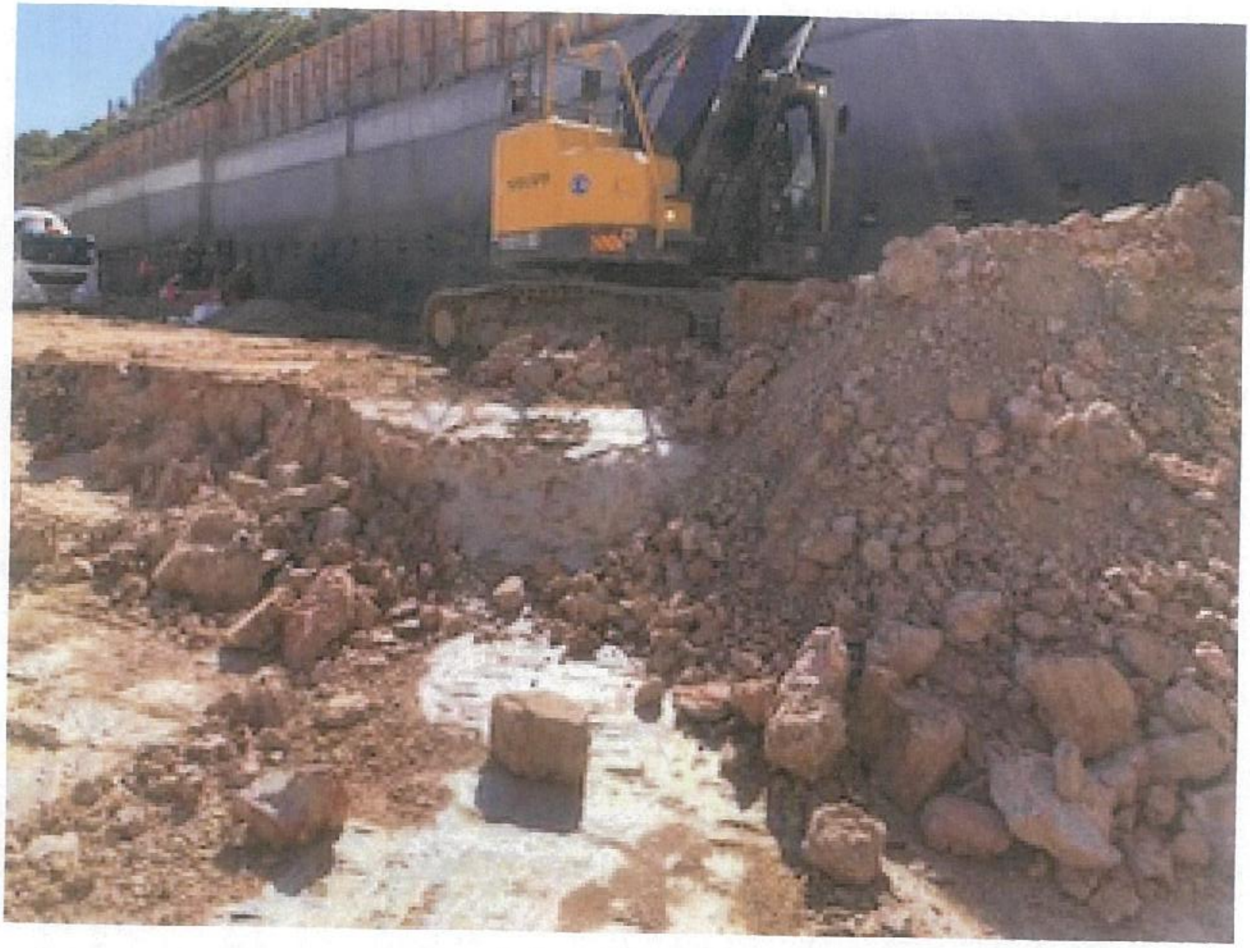
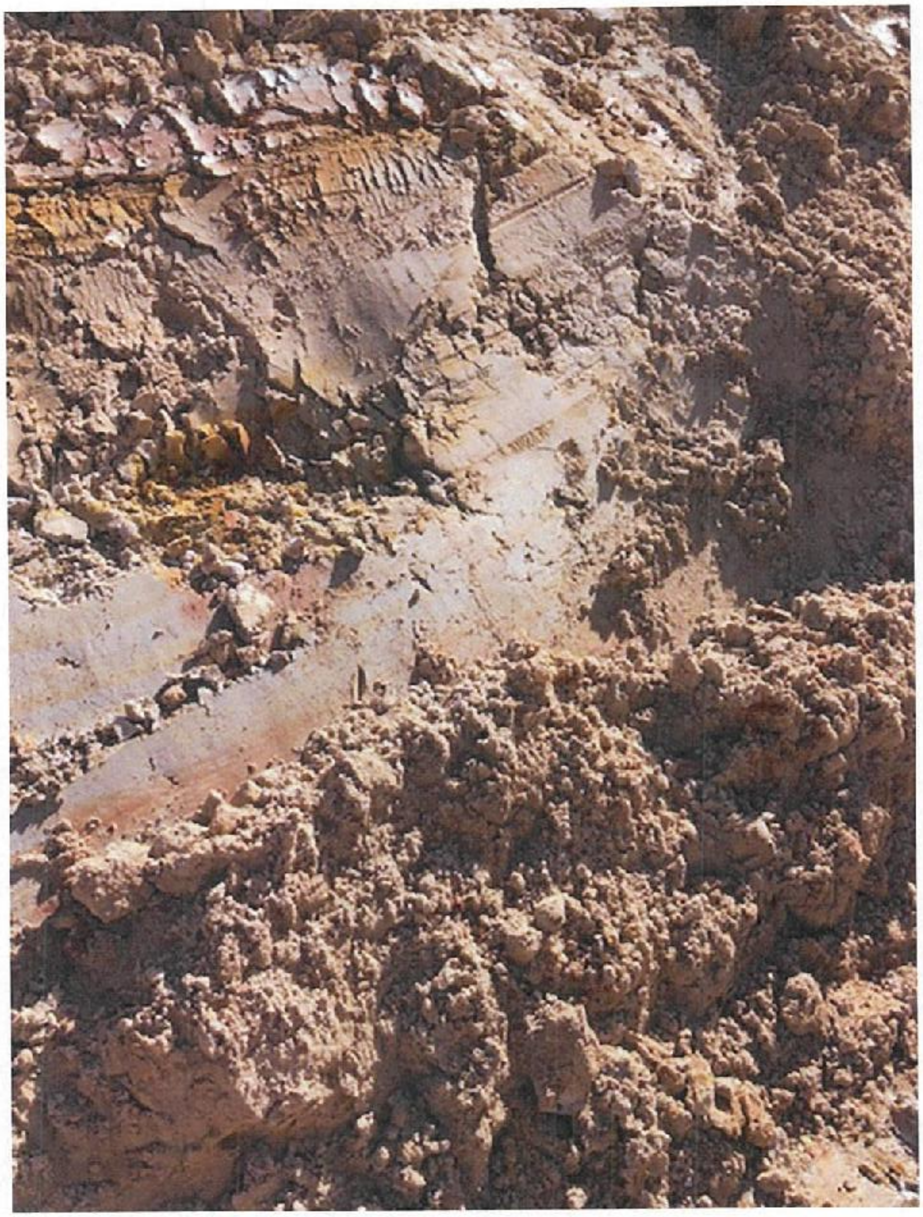
Holocene Sediment Checklist (for ASS)	
Date and Time of review:	22/08/2018 0930
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	A2, B2
Depth of excavation:	8 - 11 RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe……………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe……………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☒
Other Key Descriptors:	No odours or staining Highly competent
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	VENM Clay Pleistocene
Waste Classification Report Reference:	85608.14.R.062



Holocene Sediment Checklist (for ASS)	
Date and Time of review:	21/08/2018
Person carrying out inspection:	Sam Chapman
Area of excavation (A,B,C……):	A2, B2
Depth of excavation:	8m RL – 11m RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe…………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe…………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☐ Strong (hard soils, significant resistance) ☒
Other Key Descriptors:	No odours or staining Highly competent
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	Pleistocene VENM
Waste Classification Report Reference:	85608.14.R.062



Holocene Sediment Checklist (for ASS)	
Date and Time of review:	16/08/2018
Person carrying out inspection:	Sam Chapma
Area of excavation (A,B,C……):	C2
Depth of excavation:	8RL
Description of soils:	Sand ☐ Mixed Sand and Clay ☐ Clay ☒ Other ☐ If Other please describe…………………………………………
Colour of soils:	White ☐ Dark Grey ☐ Mottled Grey/Red/Yellow ☒ Other ☐ If 'Other' please describe…………………………………………
Soil strength:	Weak (excavator easily passes through) ☐ Medium weak (slight resistance of material) ☐ Medium strong (moderate resistance) ☒ Strong (hard soils, significant resistance) ☐
Other Key Descriptors:	
Photograph (or Reference):	Attached
Is verification from the Environmental Consultant required?	Yes ☐ No ☒
Determination:	Pleistocene Clays (Non-Ass)
Waste Classification Report Reference:	85608.14.R.059



Appendix K

Waste Receiving Site Register

Waste Management and Disposal Records

Sydney Metro TSE Works - Waste and Spoil Receival Site Register (SMCSWTSE-JCG-TPW-EM-RPT-097263)

Site ID No.	Waste disposal/ spoil reuse site details	Spoil Reuse Hierarchy Priority Ranking (where applicable)	Street address	Waste types/quantities accepted	EPL number / Planning Approval reference (where relevant)	Written confirmation of waste types that can legally be received (see Appendix B of the Construction Waste and Recycling Management Plan)	Associated Haulage Contractor	Individual Sites Approved	Hours of Operation	All weather access?	S143 Capacity/Limit	Capacity Status
TSE_02	Bingo Recycling Centre, Banksmeadow	N/A	38 McPherson Street, Banksmeadow, NSW 2019	• Virgin Excavated Natural Material (VENM) * Building and Demolition Waste * Soils which meet the CT1 thresholds for General Solid Waste	EPL No. 12857	Letter received 28/09/17	N/A		TBC	TBC		
TSE_14	MET Recycling, Silverwater	N/A	Cnr Newton Street North and Carnarvon Street, Silverwater, NSW 2128	• Virgin Excavated Natural Material (VENM) * Building and Demolition Waste * Soils which meet the CT1 thresholds for General Solid Waste	EPL No. 20948	Letter received 27/09/17	N/A		TBC	TBC		
TSE_16	Suez, Kemps Creek	N/A	1725 Elizabeth Drive, Kemps Creek, NSW 2178	• General Solid Waste (non-putrescible) • Restricted Solid Waste • Asbestos waste	EPL No. 4068	Letter received 28/09/17	N/A - EPH		TBC	TBC		
TSE_17	Breen Holdings, Kurnell	N/A	330 Captain Cook Drive, Kurnell, NSW 2231	• Virgin Excavated Natural Material (VENM) * Building and Demolition Waste * Soils which meet the CT1 thresholds for General Solid Waste	EPL No. 4608	Letter received 27/09/17	N/A - EPH		TBC	TBC		
TSE_21	Dial a Dump Industries Pty Ltd, Eastern Creek (Genesis Waste Facility (Landfill))	N/A	Honeycomb Drive, Eastern Creek, NSW 2766	* ASS/PASS * Asbestos Waste * Tyres * Soils which meet the CT1 thresholds for General Solid Waste	EPL No. 13426	Letter received 07/11/17 Update letter for demolition works received 09/03/18	N/A - EPH		TBC	TBC		
TSE_21a	Dial a Dump Industries Pty Ltd, Eastern Creek (Genesis Recycling Facility)	N/A	Honeycomb Drive, Eastern Creek, NSW 2766	* Building and Demolition Waste (specifics) * Soils which meet the CT1 thresholds for General Solid Waste	EPL No. 20121	Letter received 09/03/18	N/A - EPH	No material under the Project resource recovery exemption	TBC	TBC		
TSE_27	Boral Recycling Pty Ltd, Wetherill Park	3	39 Widemere Road, Wetherill Park, NSW 2164	• Building and Demolition Waste (concrete, brick etc) • Asphalt waste • Waste Concrete Slurry • Concrete bricks and roof tiles • Cured Concrete waste from a batch plant • Virgin Excavated Natural Material (VENM) • Excavated Natural Material (ENM)	EPL No. 11815	Letter received 10/01/18	Bakers		TBC	TBC		
TSE_28	Boral Recycling Pty Ltd, St Peters	3	25 Burrows Road South, St Peters, NSW 2044	• Building and Demolition Waste • Asphalt waste • Virgin Excavated Natural Material (VENM)	EPL No. 12418	Letter received 10/01/18	N/A	No material under the Project resource recovery exemption	Standard working hours Mon-Sat	Yes	Recycling	
TSE_36	Clean and Green Organics (Volk Holdings), Bringelly	3	765 The Northern Road, Bringelly, NSW	• Green waste (wood waste)	EPL No. 11539 Development Application No. 1726/2000	Letter received 15/02/18	SRC	N/A	24hrs Mon-Fri	All weather and will accept wet material		
TSE_37	Catherine Park residential subdivision	3	62, 70, 94, 102, 112, 116, 122 and 130 Oran Park Drive, Oran Park, NSW 2570	• Virgin Excavated Natural Material (VENM) • Excavated Natural Material (ENM)	Development Application No. 228/2014	Letter received 09/03/18	SRC		Standard working hours Mon-Sat	No	600,000m3	
TSE_39	Benedict Recycling Pty Ltd	3	Challenger Drive, Belrose, NSW 2085	• Virgin Excavated Natural Material (VENM) * Building and Demolition Waste * Soils which meet the CT1 thresholds for General Solid Waste	EPL No. 4504	Letter received 08/03/18	N/A		Standard working hours Mon-Sat	Yes		
TSE_44	Quakers Hill (Nirimba) defence housing development site - Schofields	3	Eastern Road, Quakers Hill, NSW 2763	• Virgin Excavated Natural Material (VENM)	Development Application No. DA-15-00999	Letter received 13/03/18	Bakers and SRC		Standard construction hours (No works on permitted on Sunday or public holidays, no 24 hour operations permitted.)	Light showers only	1,200,000m3	Full Capacity Used (Site can no longer accept material)
TSE_45	Aussie Skips Waste Services Pty Ltd	N/A	Unit 5, 84-108 Madeline Street, Strathfield South, NSW 2136	• Building and Demolition Waste	EPL No. 20885 Development Application No. DA9899/452/AC	Letter received 14/03/18	SRC	No material under the Project resource recovery exemption	Standard working hours Mon-Sat	No		
TSE_49	Holt Land Rehabilitation Centre (Besmaw Pty Ltd)	3	280-282 Captain Cook Drive, Kurnell, NSW 2231	• Virgin Excavated Natural Material (VENM) • Potential Acid Sulfate Soils (PASS) VENM	EPL No. 5658	Letter received 09/04/18	State Roads and EPH		Mon to Fri - 7:00am to 4:00pm Sat - 7:00am to 2:00pm. Can provide 7 days but charge E/O rate for wknds	Yes, moderate rain but can be up to tip discretion		
TSE_51	Elford Group, Badgerys Creek	3	320-400 Badgerys Creek Road, Badgerys Creek, NSW 2555	• Virgin Excavated Natural Material (VENM) • Excavated Natural Material (ENM) • Material which complies with the November 2018 Resource Recovery order/exemption	EPL No. 20498 Development Application No. DA-693/2009/C	Letter received 02/05/18	Bakers, SRC and EPH	No material under the Project resource recovery exemption	Mon to Fri - 7:00am to 4:00pm Sat - 7:00am to 5:00pm No work permitted on Sunday or Public Holidays (unless approved by Council).	Yes but dependent on tip discretion	300,000m3	
TSE_53	Razorback Development Site (Lot 143, DP 661296)	3	900 Mount Hercules Road, Razorback, NSW 2571	• Virgin Excavated Natural Material (VENM) • Excavated Natural Material (ENM)	Development Application No. 010.2009.00000066.001	Letter received 25/05/18	Bakers and SRC		Standard	No	100,000t	Full Capacity Used (Site can no longer accept material)
TSE_58	Metropolitan Demolition and Recycling, St Peters	N/A	396 Princes Highway, St Peters, NSW 2044	• Building and demolition waste * Virgin Excavated Natural Material (VENM) • Asphalt waste	EPL No. 11483	Letter received 13/06/18	SRC and Bakers	No material under the Project resource recovery exemption	Standard working hours Mon-Sat	No		
TSE_60	Penrith Lakes Scheme	3	89-151 Old Castlereagh Road, Cranebrook, NSW 2749	• Virgin Excavated Natural Material (VENM) • Excavated Natural Material (ENM)	Development Approval (DA) 3, Modification 4, approved by DP&E on 30/04/15	Initial letter received 18/06/18, letter superseeded 17/08/18	Bakers and SRC	Chatswood, Crows Nest, Waterloo (Excluding material under the project resource recovery exemption)	Standard working hours Mon-Sat. Can extend up to 10pm (confirm)	Yes, moderate rain but can be up to tip discretion		
TSE_62	Suez, Lucas Heights	5	New Illawarra Road, Lucas Heights, NSW 2234	• Excavated Natural Material (ENM) Virgin Excavated Natural Material (VENM) Clay only • Solid classified general dry waste • Asbestos • Asbestos contaminated waste	EPL No. 5065 and 12520	Letter received 02/07/18	Bakers and SRC	No material under the Project resource recovery exemption	Standard working hours Mon-Sat	No		

Sydney Metro TSE Works - Waste and Spoil Receival Site Register (SMCSWTSE-JCG-TPW-EM-RPT-097263)

Site ID No.	Waste disposal/ spoil reuse site details	Spoil Reuse Hierarchy Priority Ranking (where applicable)	Street address	Waste types/quantities accepted	EPL number / Planning Approval reference (where relevant)	Written confirmation of waste types that can legally be received (see Appendix B of the Construction Waste and Recycling Management Plan)	Associated Haulage Contractor	Individual Sites Approved	Hours of Operation	All weather access?	S143 Capacity/Limit	Capacity Status
TSE_74	Boral Emu Plains Quarry	3	39A Mackellar Street, Emu Plains, NSW 2760	• Virgin Excavated Natural Material (VENM) • Material which complies with the Project November 2018 Resource Recovery Order/Exemption	DA93/89 (DA17/0771) and EPL 2062	Letter received 08/08/18 and letter received 12/12/18	N/A		Up to 10pm	Yes	1,500,000t	
TSE_82	Barden Ridge	3	310 New Illawarra Road, Barden Ridge, NSW (Lot 1 DP1229719)	• Virgin Excavated Natural Material (VENM)	DA15/1448	Letter received 05/09/18	SRC	N/A	Mon-Fri 7am-5pm, Sat 7am-1pm	Yes	13,000m3	Site no longer in use
TSE_87	Cawdor Farming	3	440 Cawdor Road, Cawdor, NSW 2570	• Virgin Excavated Natural Material (VENM) • Excavated Natural Material (ENM)	DA 010.2012.00000125.001	Letter received 12/09/18	SRC	N/A	Mon-Sun 7am-5pm	No	30,000t and 150,000t	
TSE_95	Crossroads, Casula	3	Precinct B, Lot 21 Beech Road, Casula	• Virgin Excavated Natural Material (VENM) • Material which complies with a Resource Recovery order/exemption	DA1237/2015	Letter received 09/11/18	SRC	Pitt Street	Mon-Fri 7am-6pm, Sat 8am-1pm	No	15,000m3	Full Capacity Used (Site can no longer accept material)
TSE_98	BT Civil Box Hill	3	127 - 137 Windsor Road, Box Hill, NSW 2765	• Virgin Excavated Natural Material (VENM)	DA 1796/2016 2B	Letter received 14/11/18	Bakers	Victoria Cross and Barangaroo (Excluding material under the Project resource recovery exemption)	Mon-Sat 7am-5pm	No	10,000m3	Full Capacity Used (Site can no longer accept material)
TSE_99	BT Civil Leppington	3	Denham Court Road, Leppington, NSW 2179	• Virgin Excavated Natural Material (VENM) • Material which complies with a Resource Recovery order/exemption (Sandstone Only)	DA 693/2017/DA-SW	Letter received 23/11/18	SRC	N/A	Mon-Fri 7am-6pm, Sat 8am-1pm	No	40,000m3	
TSE_105	Lantrak Eastern Creek	3	50 Peter Brock Drive, Eastern Creek, NSW	• Virgin Excavated Natural Material (VENM)	DA 17-02115	Letter received 21/12/18	SRC	No material under the Project resource recovery exemption	7-5pm Mon-Fri/7-2pm Sat	No	50,000t	
TSE_107	Westconnex New M5 (St Peters Interchange)	3	201 Coward Street, Mascot Sydney, NSW 2020	• Virgin Excavated Natural Material (VENM)	EPL 20772 and CSSI 6788	Letter received 20/11/18		No material under the Project resource recovery exemption	7am-6pm	Yes	200,000m3	
TSE_108	Moorebank Intermodal Terminal Development	3	Gate 5, Railway Parade, Glenfield, NSW	• Virgin Excavated Natural Material (VENM) • Material which complies with a Resource Recovery order/exemption	EPL 20966 and SSD 6766	Letter received 07/12/19			7am to 6pm.Mon to Friday, 7am to 3pm Sat/Sun	Light rain only	100,000t	Full Capacity Used (Site can no longer accept material)
TSE_112	Templar Road Extension Erskine Park	3	576b Mamre Road, Erskine Park, NSW, 2759	• Virgin Excavated Natural Material (VENM) • Material which complies with a Resource Recovery order/exemption	DA16/1029	Letter received 04/03/19	SRC	Pitt Street Waterloo	24hrs Mon-Sun	Yes	78,000t	
TSE_113	Qube Moorebank	3	Moorebank Precinct East, Moorebank Avenue, Moorebank, NSW 2170	• Virgin Excavated Natural Material (VENM) • Excavated Natural Material (ENM) • Material which complies with the November 2018 Resource Recovery order/exemption * Material which complies with the June 2019 Resource Recovery Order/Exemption	MPE Stage 2 SSD 7628	Letter received 16/03/19 and Letter received 09/08/18	SRC, Bakers and EPH		Mon-Fri 7am-5pm, Sat 8am-1pm	No	2,500,000t	

	TSE_02	TSE_105	TSE_107	TSE_108	TSE_112
	Bingo Recycling Centre	Lantrak Eastern Creek	Westconnex St Peters Interchange	Moorebank Intermodal Terminal	Templar Road Extension
Row Labels	**EPL12857**	**N/A**	**EPL20772**	**EPL20966**	**N/A**
Asphalt					
Building and Demolition Waste					
Concrete					
GSW	93				
GSW (Asbestos)					
Polystyrene					
RSW					
VENM		1039.7	16701.3	54637.03	12776.51

	TSE_113	TSE_14	TSE_16	TSE_17	TSE_21	TSE_27
	Qube Moorebank	MET Recycling	Suez	Breen	Dial a Dump Industries Pty Ltd	Boral Recycling Pty Ltd
Row Labels	**EPL21054**	**EPL20948**	**EPL4068**	**EPL4608**	**EPL13426**	**EPL11815**
Asphalt						
Building and Demolition Waste						12.1
Concrete		8.78		1064.7		176.06
GSW		3456.38		31171.6	45.36	35.58
GSW (Asbestos)					4421.69	
Polystyrene						
RSW			1356.56			
VENM	6384.89	210.3		7696.84		

	TSE_28	TSE_36	TSE_37	TSE_39	TSE_44
	Boral Recycling Pty Ltd	**Clean and Green Organics**	**Catherine Park Subdivision**	**Benedict Recycling Pty Ltd**	**Nirimba Defence Housing Development**
Row Labels	**EPL12418**	**EPL11539**	**N/A**	**EPL4504**	**N/A**
Asphalt	24.1				
Building and Demolition Waste	148.28				
Concrete	2190.58				
GSW					
GSW (Asbestos)					
Polystyrene					
RSW					
VENM	366.3	710.39	51209.68	618.9	6627.41

	TSE_45	TSE_49	TSE_51	TSE_53	TSE_58
	Aussie Skips Waste Services Pty Ltd	**Holt Land Rehabilitation**	**Elford Group**	**Razorback Development Site**	**Metropolitan Demolition and Recycling**
Row Labels	**EPL20885**	**EPL5658**	**EPL20498**	**N/A**	**EPL11483**
Asphalt					
Building and Demolition Waste					26.26
Concrete	16				204.74
GSW	497.61				
GSW (Asbestos)					
Polystyrene	240.8				
RSW					
VENM		143	11897.31	521.4	

	TSE_60	TSE_62	TSE_74	TSE_82	TSE_87
	Penrith Lakes Scheme	**Suez**	**Boral Emu Plains**	**Barden Ridge Development**	**Cawdor Farming Development**
Row Labels	**N/A**	**EPL5065 & 12520**	**EPL2062**	**N/A**	**N/A**
Asphalt					
Building and Demolition Waste					
Concrete					
GSW					
GSW (Asbestos)					
Polystyrene					
RSW					
VENM	38513.443	248.06	5812.79	2603.45	71520.636

	TSE_95	TSE_98	TSE_99
	Crossroads Development	**BT Civil Development**	**BT Civil Development**
Row Labels	**N/A**	**N/A**	**N/A**
Asphalt			
Building and Demolition Waste			
Concrete			
GSW			
GSW (Asbestos)			
Polystyrene			
RSW			
VENM	9981.24	7164.94	12460.048

Row Labels	Sum of Quantity Tipped (Tonnes)	Sum of Truck Movements
Asphalt	24.1	2
Building and Demolition Waste	186.64	17
Concrete	3660.86	332
GSW	35299.55	1192
GSW (Asbestos)	4421.69	164
Polystyrene	240.8	8
RSW	1356.56	41
VENM	319845.567	9900
Grand Total	**365035.767**	**11656**

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
19/01/2018	Stockpile	A	RSW	DE-227_1rv1	TSE_16	Suez	EPL4068	BT633	ED310448742	35.34
19/01/2018	Stockpile	A	RSW	DE-227_2rv1	TSE_16	Suez	EPL4068	BT633	ED310448855	35.94
19/01/2018	Stockpile	A	RSW	DE-227_2rv1	TSE_16	Suez	EPL4068	BT633	ED310448957	35.88
23/01/2018	Stockpile	A	RSW	DE-227_1rv1	TSE_16	Suez	EPL4068	BT609	ED310449523	12.06
23/02/2018	Stockpile	WLSPQ	RSW	85605.14.R.011	TSE_16	Suez	EPL4068	CK30XE	ED310458507	36.44
23/02/2018	Stockpile	WLSPQ	RSW	85605.14.R.011	TSE_16	Suez	EPL4068	CK30XE	ED310458656	35.7
23/02/2018	Stockpile	WLSPQ	RSW	85605.14.R.011	TSE_16	Suez	EPL4068	ERC357	ED310458521	31.16
23/02/2018	Stockpile	WLSPQ	RSW	85605.14.R.011	TSE_16	Suez	EPL4068	ERC357	ED310458731	32.9
23/02/2018	Stockpile	WLSPQ	RSW	85605.14.R.011	TSE_16	Suez	EPL4068	BJ81CC	ED310458529	32.54
23/02/2018	Stockpile	WLSPQ	RSW	85605.14.R.011	TSE_16	Suez	EPL4068	BJ81CC	ED310458733	31.5
23/02/2018	Stockpile	WLSPQ	RSW	85605.14.R.011	TSE_16	Suez	EPL4068	CE96CB	ED310458558	29.68
28/02/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CK30XE	ED310459734	37.3
28/02/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CK30XE	ED310459895	36.86
28/02/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CK30XE	ED310460046	33.5
28/02/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CF96XT	ED310459732	27.12
28/02/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CF96XT	ED310459890	30.04
28/02/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CF96XT	ED310460026	33.02
1/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CC50SG	ED310460115	30.36
1/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CP27BU	ED310460266	28.5
1/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CP27BU	ED310460114	28.04
1/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	ERC609	ED310460441	32.42
2/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	JCC409	ED310460743	29.02
2/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	JCC409	ED310460951	28.64
2/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	ERC000	ED310460735	31.92
2/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	ERC000	ED310460894	32
2/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CK30XE	ED310460745	36.78
2/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	CK30XE	ED310460941	35.68
2/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	ERC609	ED310460833	39.44
2/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	ERC609	ED310460710	37.86
2/03/2018	In situ		RSW	85605.14.R.005	TSE_16	Suez	EPL4068	ERC609	ED310460982	35.42
9/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	CP27BU	ED310462860	27.9
9/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	ERC609	ED310462950	43.62
9/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	ERC609	ED310462849	33.7
9/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	ERC609	ED310463075	36.34
22/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	ERC609	ED310466854	35.92
22/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	ERC609	ED310466966	36.66
22/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	CP70NT	ED310466839	29.94
22/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	CP70NT	ED310466941	34.94
22/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	CP70NT	ED310467039	33.24
23/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	ERC609	ED310467126	35.98
23/03/2018	Stockpile	WLSPR	RSW	85605.14.R.013	TSE_16	Suez	EPL4068	ERC609	ED310467248	35.26

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
20/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT623	GEN501307	34.42
20/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT623	GEN501318	30.52
22/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT623	GEN501540	27.18
22/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT623	GEN501759	31.22
22/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT640	GEN501596	31.36
22/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT640	GEN501842	24.02
25/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT602	GEN503341	31.4
25/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT603	GEN503315	36.32
25/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT619	GEN503340	29.88
29/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT619	GEN503603	28.88
29/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT619	GEN503776	29.54
29/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT629	GEN503613	29.42
29/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT629	GEN503795	33.2
29/01/2018	Stockpile	B/C	GSW (Asbestos)	DE-227_3	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT629	GEN503476	30.38
5/02/2018	Stockpile	WLSPK	GSW (Asbestos)	85608.14.R.007.Rev1	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96CBT	GEN506247	30.52
8/02/2018	Stockpile	WLSPF	GSW (Asbestos)	85605.14.R.006	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC357T	GEN508184	32.54
9/02/2018	Stockpile	WLSPD	GSW (Asbestos)	85605.14.R.006	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC408	GEN508784	38.34
20/02/2018	Stockpile	WLSPO	GSW (Asbestos)	85608.14.R.011	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	JCC409	GEN51 292	31.42
20/02/2018	Stockpile	WLSPO	GSW (Asbestos)	85608.14.R.011	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CK30XE	GEN513168	39.6
20/02/2018	Stockpile	WLSPM	GSW (Asbestos)	85608.14.R.010.Rev0	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CK30XE	GEN513358	35.02
20/02/2018	Stockpile	WLSPM	GSW (Asbestos)	85608.14.R.010.Rev0	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BJ81CC	GEN513314	31.44
20/02/2018	Stockpile	WLSPO	GSW (Asbestos)	85608.14.R.011	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CC50SQ	GEN513283	32.26
20/02/2018	Stockpile	WLSPO	GSW (Asbestos)	85608.14.R.011	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96CBT	GEN513135	28.94
20/02/2018	Stockpile	WLSPO	GSW (Asbestos)	85608.14.R.011	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96CBT	GEN513306	27.28
21/02/2018	Stockpile	WLSPP	GSW (Asbestos)	85608.14.R.011	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BJ81CC	GEN51	21.28
6/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CK30XE	GEN518609	36.82
6/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CK30XE	GEN518795	37.46
6/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CK30XE	GEN519002	35.98
6/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN519024	34.88
6/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN518803	37.08
6/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN518610	32.82
7/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC000	GEN519354	28.76
7/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96CB	GEN519367	26.62
8/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN519842	37.78
8/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN520092	34.8
12/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN521324	33.7
12/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN521145	39.8
12/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN521483	35.8
13/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	AG88DS	GEN521923	8.06
19/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP27BU	GEN523904	29.24
19/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP27BU	GEN524068	27.22
20/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CJ80RT	GEN524542	30.18
20/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CJ80RT	GEN524359	25.06
20/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP27BU	GEN524215	28.64
20/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP27BU	GEN524353	28.04
20/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP27BU	GEN524523	26.88
21/03/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP27BU	GEN524638	31.6
27/04/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC357	GEN536568	30.92
27/04/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC357	GEN536768	30.36
27/04/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC357	GEN536904	31.56
28/04/2018	In Situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC357	GEN537019	33.12
7/05/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CJ50RQ	GEN540492	25.6

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
7/05/2018	In situ	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CK19CW	GEN540486	30.2
6/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CK79JS	GEN0035652-1	32
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CI93GR	GEN0025109-1	15.76
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CI93GR	GEN0025246-1	13.32
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CI93GR	GEN0025369-1	15.12
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO30DC	GEN0025108-1	15.82
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO30DC	GEN0025244-1	13.2
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO30DC	GEN0025371-1	13.78
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0025110-1	15.2
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0025253-1	16.42
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0025372-1	14.7
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO23SM	GEN0025175-1	15.04
13/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO23SM	GEN0025329-1	17.4
14/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CJ50RQ	GEN0025710-1	11.7
14/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CJ50RQ	GEN0025797-1	11.12
14/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO50DC	GEN0025496-1	13.22
14/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO50DC	GEN0025657-1	13.82
14/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO50DC	GEN0025774-1	14.02
14/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0025504-1	18.1
14/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0025633-1	13.6
14/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0025770-1	14.48
14/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO23SM	GEN0025659-1	11.78
14/08/2018	Insitu	N/A	GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO23SM	GEN0025784-1	13.52
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CI93GR	GEN0025968-1	15.72
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CI93GR	GEN0026084-1	14.92
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CI93GR	GEN0026236-1	15.92
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CM27TM	GEN0026227-1	31.76
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO50DC	GEN0025969-1	12.32
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO50DC	GEN0026088-1	13.24
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO50DC	GEN0026237-1	16.08
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CF28YF	GEN0026171-1	30.46
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0025955-1	17.04
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0026081-1	17.18
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0026238-1	15.4
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO23SM	GEN0025957-1	13.56
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO23SM	GEN0026102-1	16.16
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO23SM	GEN0026249-1	13.4
15/08/2018	Insitu		GSW (Asbestos)	85608.14.R.005	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CL22FL	GEN0025998-1	11.48
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CI93GR	GEN0032815-1	12.38
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CI93GR	GEN0033108-1	14.76
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO50DC	GEN0032814-1	13.26
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO50DC	GEN0033113-1	15.28
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CD13EW	GEN0032793-1	30.5
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CD13EW	GEN0032965-1	26.7
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CD13EW	GEN0033107-1	30.52
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CF28YF	GEN0032792-1	32.98
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CF28YF	GEN0033106-1	30.7
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CF28YF	GEN0032964-1	27.4
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0032808-1	17.56
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BT02YL	GEN0033065-1	10.16
16/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO23SM	GEN0032833-1	15.26
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CM27TM	GEN0033228-1	39.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CM27TM	GEN0033510-1	31.66
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP70NT	GEN0033230-1	37.7
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CD13EW	GEN0033237-1	33.6
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CD13EW	GEN0033520-1	28.74
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CF28YF	GEN0033238-1	30.52
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CF28YF	GEN0033539-1	31.68
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	STH505	GEN0033244-1	40.24
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	STH505	GEN0033558-1	33.78
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ60RM	GEN0033224-1	31.48
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ60RM	GEN0033488-1	29.5
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ60RM	GEN0033615-1	30.84
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96QM	GEN0033312-1	27.72
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96QM	GEN0033450-1	30.48
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96QM	GEN0033754-1	30.02
17/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ60RM	GEN0033489-1	13.92
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP27BU	GEN0033680-1	29.34
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP27BU	GEN0033749-1	27.84
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN0033674-1	39.8
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN0033748-1	34.62
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	STH505	GEN0033701-1	39.3
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	STH505	GEN0033766-1	39.36
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC357	GEN0033601-1	28.72
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC357	GEN0033687-1	32.46
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC357	GEN0033756-1	32.04
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ60RM	GEN0033690-1	30.36
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ60RM	GEN0033752-1	32.08
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96QM	GEN0033625-1	30.02
18/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96QM	GEN0033692-1	27.32
20/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CM27TM	GEN0033858-1	33.12
20/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CM27TM	GEN0033983-1	33.46
20/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP70NT	GEN0033844-1	27.94
20/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CP70NT	GEN0033945-1	35.24
20/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CF28YF	GEN0033990-1	31.2
20/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	STH505	GEN0034017-1	30.84
20/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC000	GEN0033871-1	29.76
20/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC000	GEN0034043-1	30.52
20/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CJ80RT	GEN0034044-1	31.7
20/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96QM	GEN0033882-1	27.52
24/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CI93GR	GEN0035802-1	13.16
24/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO50DC	GEN0035818-1	13.22
24/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CF28YF	GEN0035629-1	30.96
24/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ35VR	GEN0035638-1	32.14
24/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ60RM	GEN0035658-1	31
24/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CE96QM	GEN0035662-1	28
24/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CI93GR	GEN0035896-1	15.92
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CK79JS	GEN0036333-1	32.7
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CK79JS	GEN0036179-1	29.9
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CK79JS	GEN0036477-1	34.2
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN0036317-1	37.36
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN0036164-1	37.62
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC609	GEN0036464-1	38.54
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	GLK943	GEN0036165-1	31.84

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	GLK943	GEN0036296-1	32.12
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ60HM	GEN0036175-1	36.82
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ60HM	GEN0036459-1	33.94
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	BQ60HM	GEN0036303-1	28.5
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC000	GEN0036215-1	32.16
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC000	GEN0036379-1	34.16
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CN28HM	GEN0036323-1	36.17
27/08/2018	Insitu		GSW (Asbestos)	85608.14.R.031	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CN28HM	GEN0036170-1	34.74

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
24/08/2018	Insitu		GSW	85608.14.R.023	TSE_02	Bingo Recycling Centre	EPL12857	CP70NT	691233	31
24/08/2018	Insitu		GSW	85608.14.R.023	TSE_02	Bingo Recycling Centre	EPL12857	CP70NT	691287	31
24/08/2018	Insitu		GSW	85608.14.R.023	TSE_02	Bingo Recycling Centre	EPL12857	CP70NT	691331	31
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CE96QM	22345	27.84
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CE96QM	22398	29.64
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CE96QM	22438	29.12
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CP70NT	22344	30.64
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CP70NT	22404	28.88
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CK19CW	22341	26.56
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CK19CW	22391	29.38
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CK19CW	22428	30.66
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CP60GI	22334	30.18
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CP60GI	22427	32.08
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CP60GI	22387	31.7
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CC50SG	22368	27.02
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_14	MET Recycling	EPL20948	CC50SG	22416	30.42
4/06/2018	Stockpile	WLSP9	GSW	85605.14.R.032	TSE_14	MET Recycling	EPL20948	CP00RQ	24426	30.76
4/06/2018	Stockpile	WLSP9	GSW	85605.14.R.032	TSE_14	MET Recycling	EPL20948	CP00RQ	24393	31
4/06/2018	Stockpile	WLSP9	GSW	85605.14.R.032	TSE_14	MET Recycling	EPL20948	CP00RQ	24456	31.58
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	CK19CW	23317	30.76
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	CK19CW	23304	35.28
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	CK19CW	23291	30.38
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	CK19CW	23272	31.42
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	UPE 003	23277	26.88
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	UPE 003	23307	31.2
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	UPE 003	23293	22.98
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	CP60GI	23278	33.66
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	CP60GI	23294	35.14
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	CP60GI	23311	32.7
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	ERC 000	23281	33.44
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	ERC 000	23306	31.6
12/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	ERC 000	23319	34.72
13/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CP27BU	23391	31.56
13/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CP27BU	23378	28.46
13/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CPYDAT	23334	34.72
13/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CPYDAT	23379	37.42
13/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CPYDAT	23355	38.8
13/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CJ80RT	23336	32.24
13/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CJ80RT	23357	28.5
13/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CJ80RT	23381	31.46
13/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	ACP404	23371	28.78
13/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	ACP404	23341	31.52
13/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	ACP404	23390	31.78
13/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	STH505	23372	36.4
13/06/2018	Stockpile	WLSP10	GSW	85605.14.R.035	TSE_14	MET Recycling	EPL20948	STH505	23344	33.66
14/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CP00RQ	23429	35.08
14/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CP00RQ	23412	33.28
14/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CP00RQ	23439	32.96
14/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CP00RQ	23400	33.34
14/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CM27TM	23403	32.2
14/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CM27TM	23413	34.1
14/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_14	MET Recycling	EPL20948	CM27TM	23431	33.66

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
2/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	ERC357T	24190	32.36
2/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	ERC357T	24214	33.4
2/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	ERC357T	24240	33.94
3/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CP00RQ	24291	27.8
3/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CP00RQ	24316	32.64
3/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CP00RQ	24350	35.16
3/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CE70YV	24329	32.48
3/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CE70YV	24370	30.7
3/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	ERC357	24295	33.26
3/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	ERC357	24326	4.48
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CO23SM	24419	12.14
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CO23SM	24458	12.56
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CE70YV	24408	34.9
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CE70YV	24447	32.22
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CE70YV	24484	28.32
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CO27NL	24406	31.04
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CO27NL	24441	31.26
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CO27NL	24476	29.92
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CJ80RT	24392	29.78
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CJ80RT	24425	30.26
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CJ80RT	24453	29.78
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	ERC357	24402	32.36
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	ERC357	24435	34.52
4/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	ERC357	24460	32.86
5/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CP00RQ	24503	34.24
5/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CP00RQ	24540	34.2
5/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CP00RQ	24571	32.84
5/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CE70YV	24521	32.94
5/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CE70YV	24497	30.68
5/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CE70YV	24586	32.86
5/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CJ80RT	24546	29.74
5/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_14	MET Recycling	EPL20948	CJ80RT	24583	32.58
6/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_14	MET Recycling	EPL20948	GLK943	WG11715	30.7
6/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_14	MET Recycling	EPL20948	GLK943	WG11768	27.82
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_14	MET Recycling	EPL20948	ERC000	29269	30.2
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_14	MET Recycling	EPL20948	CP60GI	29207	31
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_14	MET Recycling	EPL20948	CP60GI	29250	31
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	XN19AV	31710	27.9
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	GLK943	31716	31.48
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	ERC609	31711	33.18
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	CM41DV	31720	28.92
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	CB12WM	31721	31.14
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	ISX500	31722	30.9
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	BQ60RM	31707	31.82
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	CQ62AI	31719	29.9
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	ERC359	31726	31.62
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	ERC359	WG27123	30.66
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	CC50SG	31730	29.36
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	CE41VX	31723	28.78
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	SB04NW	31725	30.44
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	CP76NX	WF10931	29.58
11/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	CP70Nt	32354	35

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
11/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	SB04NW	32356	29.8
19/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	GLK943	33186	33.22
19/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	GLK943	33238	27.92
19/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	ERC609	33180	34.06
19/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	CK68MN	33174	28.24
19/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	CQ62AI	33299	30.1
19/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	DCT525	33190	30.46
19/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	DCT525	33301	30.64
19/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	CJ80RT	33191	29.76
19/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	Cp60GI	33188	29.8
19/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	SB04NW	33304	26.26
24/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_14	MET Recycling	EPL20948	AW2642	33790	8.96
3/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	CH44BA	WA64692	29.78
3/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	CH44BA	WA64682	37.56
3/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	JCC404	WE487223	27.28
3/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	JCC404	WE487199	28.56
3/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	JC404	WE487227	26.32
3/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	JC404	WE487195	25.64
5/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	CE96CBT	WE487347	19.58
5/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	CH44BA	WA64703	34.26
5/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	CH44BA	WA64714	34.72
5/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	ERC000	WE487283	29.36
7/02/2018	Stockpile	WLSPJ	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	ERC357T	WE487739	33.88
7/02/2018	Stockpile	WLSPJ	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	ERC357T	WE487680	31.82
7/02/2018	Stockpile	WLSPH	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	ERC357T	WE487818	32.38
7/02/2018	Stockpile	WLSPH	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	CG74DST	WE487663	29.82
7/02/2018	Stockpile	WLSPH	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	CG74DST	WE487850	32.12
7/02/2018	Stockpile	WLSPH	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	CG74DST	WE487729	28.46
7/02/2018	Stockpile	WLSPH	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	CG74DST	WE487785	29.06
8/02/2018	Stockpile	WLSPJ	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	ERC357T	WE487897	32.82
8/02/2018	Stockpile	WLSPJ	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	CG74DST	WE487889	31.4
8/02/2018	Stockpile	WLSPJ	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	CG74DST	WE487937	32.12
8/02/2018	Stockpile	WLSPJ	GSW	85608.14.R.007	TSE_17	Breen	EPL4608	CG74DST	WE488042	29
9/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	ERC357	WE488149\1	32.86
9/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	ERC357	WE488223\1	31.92
9/02/2018	Stockpile	WLSPG	GSW	85608.14.R.009	TSE_17	Breen	EPL4608	ERC357	WE488305	31.48
17/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CK30XE	2017	31.38
17/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CK30XE	2014	30.58
19/02/2018	In situ	WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CK30XE	WE489855	30.68
19/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CK30XE	WE489972	31.96
19/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CK30XE	WE489911	29.94
19/02/2018	In situ	WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	BJ81CC	WE489970	32.72
19/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	BJ81CC	WE489851	31.78
19/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	BJ81CC	WE489907	32.06
19/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	BJ81CC	WAM4412	32.48
20/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	JCC409	WE490040	27.52
20/02/2018		WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CJ80RT	WE490100	30.52
20/02/2018		WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CJ80RT	WE490035	28.86
20/02/2018		WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CJ80RT	WE490154	30.82
20/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	BJ81CC	WE490187	31.54
20/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	BJ81CC	WE490051	31.70
20/02/2018	In situ	WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CC50SQ	WE490172	27.64

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
20/02/2018	In situ	WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CC50SQ	WE490043	26.56
20/02/2018	In situ	WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CE96CBT	WE490180	26.32
21/02/2018	In situ	WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CJ80RT	WE490423	31.36
21/02/2018	In situ	WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CJ80RT	WE490356	31.06
21/02/2018	In situ	WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CJ80RT	WE490489	21.7
21/02/2018	In situ	WLSPN	GSW	85608.14.R.010	TSE_17	Breen	EPL4608	CJ80RT	WE490286	34.74
21/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CE96CB	WE490413	29.52
21/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CE96CB	WE490357	29.08
21/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CE96CB	WE490476	29.98
23/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CK30XET	WE490933	30.04
24/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	BR39KL	WE491022	12.18
24/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CE96CBT	WE490976	29.24
24/02/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CE96CBT	WE491014	31.66
7/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	ERC408	WA66649	34.9
7/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	ERC408	WA66668	35.44
7/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	ERC408	WA66694	35.36
7/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	ERC408	WA66721	34.68
8/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CG74DS	WE492941	23.26
8/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CC50SG	WE492865	29.98
8/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CC50SG	WE492924	25.62
8/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CC50SG	WE492991	30.7
9/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CB96CB	WE493166	28.7
9/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CB96CB	WA66873	26.34
9/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CB96CB	WE493094	29.5
19/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CP27BU	WE494598/1	28.78
19/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CF47XQ	WE494616	11.18
21/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CJ80RT	WE495137	27.18
21/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CJ80RT	WA67382	27.26
21/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	ERC000	WE495148	28.64
21/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	CP27BU	WE495241	29.44
22/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	SUD058	WE495487	7.78
22/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	SUD058	WE495429	9.62
22/03/2018	In situ	N/A	GSW	85605.14.R.005	TSE_17	Breen	EPL4608	SUD058	WE495362	8.46
23/03/2018	Stockpile	WLPLSP1	GSW	85608.14.R.016	TSE_17	Breen	EPL4608	CJ80RT	WA67485/1	25.62
23/03/2018	Stockpile	WLPLSP1	GSW	85608.14.R.016	TSE_17	Breen	EPL4608	CJ80RT	WE495603	28.44
23/03/2018	Stockpile	WLPLSP1	GSW	85608.14.R.016	TSE_17	Breen	EPL4608	CJ80RT	WA67472	30.48
26/03/2018	Stockpile	WLPLSP1	GSW	85608.14.R.016	TSE_17	Breen	EPL4608	CP56KD	WE495983	11.88
26/03/2018	Stockpile	WLPLSP1	GSW	85608.14.R.016	TSE_17	Breen	EPL4608	CP56KD	WE495909	11.3
26/03/2018	Stockpile	WLPLSP1	GSW	85608.14.R.016	TSE_17	Breen	EPL4608	CG74DS	WE495980	28.94
26/03/2018	Stockpile	WLPLSP1	GSW	85608.14.R.016	TSE_17	Breen	EPL4608	CG74DS	WE495890	27.02
26/03/2018	Stockpile	WLPLSP1	GSW	85608.14.R.016	TSE_17	Breen	EPL4608	CG74DS	WE496060	27.42
27/03/2018	Stockpile	WLSP2	GSW	85608.14.R.017	TSE_17	Breen	EPL4608	ERC357	WE496370	32.12
27/03/2018	Stockpile	WLSP2	GSW	85608.14.R.017	TSE_17	Breen	EPL4608	ERC357	WE496142	31.06
27/03/2018	Stockpile	WLSP2	GSW	85608.14.R.017	TSE_17	Breen	EPL4608	ERC357	WE496212	34.54
27/03/2018	Stockpile	WLSP2	GSW	85608.14.R.017	TSE_17	Breen	EPL4608	ERC357	WE496298	32.88
27/03/2018	Stockpile	WLSP2	GSW	85608.14.R.017	TSE_17	Breen	EPL4608	CH44BAT	WE67709	33.02
27/03/2018	Stockpile	WLSP2	GSW	85608.14.R.017	TSE_17	Breen	EPL4608	CH44BAT	WE67694	32.62
27/03/2018	Stockpile	WLSP2	GSW	85608.14.R.017	TSE_17	Breen	EPL4608	CE65DI	WE496377	12.9
27/03/2018	Stockpile	WLSP2	GSW	85608.14.R.017	TSE_17	Breen	EPL4608	CE65DI	WE496303	8.34
28/03/2018	Stockpile	WLSP2	GSW	85608.14.R.017	TSE_17	Breen	EPL4608	BY34SP	WE496610	11.74
29/03/2018	Stockpile	WLSP2	GSW	85608.14.R.017	TSE_17	Breen	EPL4608	JMV355	WE496657	11.02
23/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CJ80RT	WE500842	28.66

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
23/04/2018	Stockpile	WLPLSP1	GSW	85608.14.R.016	TSE_17	Breen	EPL4608	CJ80RT	WF500923	27.82
24/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CL52FZ	WE501002	26.18
24/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CL52FZ	WE501117	29.58
24/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CL52FZ	WE501169/1	27.66
24/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CL52FZ	WE501067	27.1
24/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CC50SG	WE50xx67	24.8
24/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CC50SG	WE501115	28.52
24/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CC50SG	WE501066	24.38
24/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CC50SG	WE501001	26.74
26/04/2018	Stockpile	WLSP4	GSW	85609.14.R.019	TSE_17	Breen	EPL4608	CM27TM	WA69458	35.24
26/04/2018	Stockpile	WLSP4	GSW	85609.14.R.019	TSE_17	Breen	EPL4608	CM27TM	WA69425	28.24
26/04/2018	Stockpile	WLSP4	GSW	85609.14.R.019	TSE_17	Breen	EPL4608	CM27TM	WA69390	25.06
26/04/2018	Stockpile	WLSP4	GSW	85609.14.R.019	TSE_17	Breen	EPL4608	CM27TM	WA69492	27.76
26/04/2018	Stockpile	WLSP4	GSW	85609.14.R.019	TSE_17	Breen	EPL4608	Ck30XE	WA69454	30.64
26/04/2018	Stockpile	WLSP4	GSW	85609.14.R.019	TSE_17	Breen	EPL4608	Ck30XE	WA69423	30.66
27/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CJ50RQ	WE501591	28.82
27/04/2018	Stockpile	WLSP4	GSW	85609.14.R.019	TSE_17	Breen	EPL4608	CJ50RQ	WE501557	32.58
27/04/2018	Stockpile	WLSP4	GSW	85609.14.R.019	TSE_17	Breen	EPL4608	CJ50RQ	WE501519	28.72
27/04/2018	Stockpile	WLSP4	GSW	85609.14.R.019	TSE_17	Breen	EPL4608	CJ50RQ	WE501656	31.32
28/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CJ50RQ	WA69572	31.82
28/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CJ50RQ	WA69613	32.38
28/04/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	ERC357	WA69643	32.28
3/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CJ50RQ	WA70134	32.46
3/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CJ50RQ	WA502320	34.3
3/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CJ50RQ	WA502458	32.1
3/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CJ50RQ	WF38	30.06
3/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	ERC408	WAM9331	32.36
3/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	ERC408	WA70129	26.82
3/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	ERC408	WF25/1	32.1
3/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	ERC408	WA70106	29.86
7/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CJ50RQ	WG433	36.16
7/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CJ50RQ	WG433	31.64
7/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CK19CW	WG432	31.64
7/05/2018	Stockpile	WLSP3	GSW	85608.14.R.018	TSE_17	Breen	EPL4608	CK19CW	WG429	27.64
15/05/2018	Stockpile	WLSP7	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	CJ05CZ	WF853	30.56
15/05/2018	Stockpile	WLSP7	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	CJ05CZ	WF917	31.94
15/05/2018	Stockpile	WLSP7	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	CJ05CZ	WF888	30.38
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	CP76NXT	WF1302	32.74
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	CP76NXT	WF1278	32.04
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	BS91CK	WF1274	32.78
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	BS91CK	WF1296	30.3
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	ERC357T	WG3170	33.48
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	ERC357T	WG3130	32.6
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	CJ80RTT	WG3174	32.46
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	CJ80RTT	WG3128	33.06
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	CO23SM	WG3136	9.58
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	CN77QUT	WG3144	36.88
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	CN77QUT	WG3184	30.04
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	ERC000T	WG3176	34.16
19/05/2018	Stockpile	WLSP6	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	ERC000T	WG3133	33.42
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CP60GIT	WF1399	28.68
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CP60GIT	WF1368	28.44

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CP60GIT	WF1436	34.08
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CP60GIT	WG3292	27.54
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CK30XET	WF1334	29.48
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CK30XET	WF1373	28.86
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CK30XET	WF1439	30.4
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CK30XET	WF1407	29.74
21/05/2018	Stockpile	WLSP7	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	ERC357T	WG3313	32.28
21/05/2018	Stockpile	WLSP7	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	ERC357T	WG3486	34.8
21/05/2018	Stockpile	WLSP7	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	ERC357T	WG3408	33.14
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CJ80RTT	WF1411	30.7
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CJ80RTT	WF1372	30.12
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CJ80RTT	WF1451	32.86
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CJ80RTT	WF1340	30.32
21/05/2018	Stockpile	WLSP7	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	ERC000T	WG3400	29.42
21/05/2018	Stockpile	WLSP7	GSW	85608.14.R.026	TSE_17	Breen	EPL4608	ERC000T	WG3477	29.64
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	ERC000T	WG3315	31.36
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CL52FZT	WG3296	24.62
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CL52FZT	WG3397	26.72
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CL52FZT	WG3510	27.78
21/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_17	Breen	EPL4608	CL52FZT	WG3456	27.82
22/05/2018	In Situ	N/A	GSW	85605.14.R.028	TSE_17	Breen	EPL4608	CO23SM	WF1511	17.82
28/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CO23SM	374164	11.66
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CE96QM	WG5050	29.56
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CE96QM	WG5109	29.2
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CE96QM	WG5169	28.7
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CC50SGT	WG5042	29.28
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CC50SGT	WG5179	27.4
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CC50SGT	WG5101	26.66
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CK19CW	WG5030	28.16
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CK19CW	WG5090	28.44
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CK19CW	WF2264	27.7
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CH44BAT	WF2303	32.4
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CH44BAT	WF2262	28.86
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	GLK943	WG5098	28.76
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	GLK943	WF2301	30.18
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	GLK943	WF2265	29.98
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	GLK943	WG25034	29.12
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CP60GI	WG5035	27.88
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CP60GI	WF2229	27.92
29/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_17	Breen	EPL4608	CP60GI	WF2269	27.82
6/06/2018	Stockpile	WLSP9	GSW	85605.14.R.032	TSE_17	Breen	EPL4608	SB04NW	WG64031	28.84
6/06/2018	Stockpile	WLSP9	GSW	85605.14.R.032	TSE_17	Breen	EPL4608	SB04NW	WG64861	27.06
18/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CN27TM	WF3491	35.36
18/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CN27TM	WF3518	33.7
18/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CN27TM	WF3541	36.28
18/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CN27TM	WF3571	34.76
18/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC000	WG8387	32.44
18/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC000	WF3528	33.7
18/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC000	WG8508	33.1
18/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC357T	WG8380	34.84
18/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC357T	WG8430	33.24
18/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC357T	WG8502	31.82

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CP00RQ	WG9219	31.72
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CP00RQ	WG9285	33.26
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CP00RQ	WG9336	29.98
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CP00RQ	WG9399	34.52
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	BQ60RM	WG9220	30.18
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	BQ60RM	WF3838	28.1
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	UPG003	WG9230	29.6
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	UPG003	WG9292	31.48
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	UPG001	WG9289	30.4
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	UPG001	WG9354	29.14
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	UPG001	WG9231	24.06
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	UPG001	WG9411	28.24
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CH44BA	WF3791	31.76
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CH44BA	WF3812	36.2
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CH44BA	WF3822	36.12
22/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CH44BA	WF3849	34.7
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CP00RQ	WG9428	32.94
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CP00RQ	WG9445	33.36
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CP00RQ	WG9479	26.56
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC609	WF3885	34.48
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC609	WF3907	37.08
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC609	WF3915	39.6
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	BS91CKT	WF3883	35.82
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	BS91CKT	WF3898	28.28
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	BS91CKT	WF3912	29.54
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CK25KVT	WG9430	29.38
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CK25KVT	WG9452	28.32
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	CK25KVT	WG9482	29.16
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC357T	WG9433	32.68
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC357T	WG9460	35.02
23/06/2018	Stockpile	WLSP12	GSW	85608.14.R.037	TSE_17	Breen	EPL4608	ERC357T	WG9495	33.02
26/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	BS91CK	WF4009	26.78
26/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	BS91CK	WF4057	28.86
26/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	BS91CK	WF4088	26.62
30/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	CE96CB	WG10731	26.12
30/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	CE96CB	WG10765/1	25.8
30/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	CH44BA	WF4323	36.76
30/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	CH44BA	WF4333/1	29.1
2/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	CK19CW	WG10996	27.34
2/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	CH44BA	WFM41/1	29.64
2/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	CH44BA	WF4390	32.58
2/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	CH44BA	WF4418/1	33.1
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	XN19AV	WG11129	27.86
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	XN19AV	WG11067	24.98
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	XN19AV	24340	27.28
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	CO27NL	WG11086	33.28
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	CO27NL	WG11150	26.96
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	CO27NL	24348	32.9
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	CH44BA	WF4466	33.18
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	CH44BA	24322	30.8
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	CJ80RTT	WG11068	30.74
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	CJ80RTT	WG11143	27.74

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
3/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	CJ80RTT	24346	32
4/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_17	Breen	EPL4608	CP27BU	WG11398	29.68
4/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_17	Breen	EPL4608	CP27BU	24454	30.22
5/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	CQ10HL	24500	33.08
5/07/2018	Stockpile	WLSP14	GSW	85608.14.R.039	TSE_17	Breen	EPL4608	CQ10HL	24535	42.88
5/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	XN19AV	24506	29.66
5/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_17	Breen	EPL4608	XN19AV	24542	29
5/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_17	Breen	EPL4608	CH44BA	24514	31.36
5/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_17	Breen	EPL4608	CH44BA	24550	33.02
6/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CP00RQ	WG11712	31.62
6/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CP76NX	WF4892/1	32.94
6/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CO23SM	WG11724	14.22
6/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CQ10HL	WF4751	28.9
6/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CQ10HL	WF4769	30.26
6/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608		WG11838/1	27.32
7/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	BI070C	WG11935	31.48
7/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	BI070C	WG11973	33.42
7/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CP00RQ	WG11913	31.14
7/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CP00RQ	WG11949/1	34.4
7/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	UPG002	WG11925/1	26.06
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	UPG002	WG11963/1	31.4
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CK25KVT	WG11921	31.3
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CK25KVT	WG11958	30.8
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CN77QU	WF4860	26.7
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CN77QU	WF4885	31.76
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CG57XH	WG11926	28.08
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CG57XH	WG11966	25.34
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CK795S	WG11927	29.98
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CK795S	WG11965	34.84
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CD13EW	WG11911/1	30.38
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CD13EW	WG11943/1	28.18
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CQ92BS	WF4864	31.66
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CQ92BS	WG11974	31.18
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	UPG003	WG11920/1	31.82
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	UPG003	WG11961/1	27.32
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	UPC001	WG119161	27.86
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	UPC001	WG11957/1	24.4
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CJ80RT	WG119121	28.36
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_17	Breen	EPL4608	CJ80RT	WG11948	29.28
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CP70NT	WF4978	34.4
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CP70NT	WF4953	34.02
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CO23SM	WG12134	12.74
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CF96XT	WG12161/1	29.12
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	413XEB	WG12165	30.64
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CD13EW	WG12076	31.6
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CD13EW	WG12141/1	32.12
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CQ10NL	WF4937	32.74
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CQ10NL	WF4959	28.6
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	JC404	WG12121	25.98
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	JC404	WG12182	27.64
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CH44BA	WF4957	29.96
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CH44BA	WF4977	32.84

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
9/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CH44BA	WF4900/1	31.3
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	COP70NT	WF5010	36.82
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CK25KVT	WG12294	32.68
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CK25KVT	WG12244	30.08
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CF27XF	WG12262	32.06
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CF27XF	WG12350	28.62
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CF28YF	WG12263/1	29.56
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CF28YF	WG12388/1	29.56
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	UPG003	WG12241/1	32.34
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	UPG003	WG12289/1	28.36
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	UPG003	WG12361/1	29.32
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	JC404	WG122501	24.52
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	JC404	WG123061	26.44
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	JC404	WG123811	24.02
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CH44BA	WF5029/1	32.14
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CH44BA	WF5013/1	31.9
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	GLK943	WG12276	32.08
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	GLK943	WG12226	30.96
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CJ80RT	WG12231	32.5
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CJ80RT	WG12284	30.94
10/07/2018	Stockpile	WLSP17	GSW	85608.14.R.042	TSE_17	Breen	EPL4608	CJ80RT	WG12370	25.4
12/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK25KVT	WG12696	29.14
12/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK29DN	WG12703	25.5
12/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	B531DA	WG12702/1	27.46
14/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CO23SM	WG13180/1	13.98
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	B107UL	WH132231	34.04
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	B107UL	WHG13291	29.9
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK25KVT	WG13255	30.22
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK25KVT	WG13312	28.02
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK25KVT	WG13214	29.74
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CO23SM	WG13296	11.98
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK79JS	WF5395/1	32.56
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK79JS	WF5418/1	33.68
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CD13EW	WG13225	28.32
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CD13EW	WG13274	27.3
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CF29YF	WG13282/1	30.24
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CF29YF	WG13228/1	29
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	STH505	540311	37.24
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	GLK943	WG13266	29.38
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	GLK943	WG13216	29.64
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	GLK943	WG5427/1	31.62
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CP76NX	WF5389	30.5
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CP76NX	WF5411/1	29.16
16/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CH44BA	WF5398/1	33.16
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	B107UL	WG13462	31
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	B107UL	WG13532	29.74
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	B107UL	WG13589	28.84
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	CK25KV	WG13502	30.46
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	CK25KV	WG13451	30.46
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	C023SM	WG13528	11.64
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	CK79TS	WG5526	30.8
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	CK79TS	WG5501	33.34

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	CK79TS	WG5550	31.74
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	CK79TS	WG5550	31
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	STH505	WG13573	34.94
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	STH505	WF5525/1	36
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	STH505	WF5502	36.94
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	GLK943	WG13450	29.88
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	GLK943	WG13541	29.22
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	GLK943	WG5511	29.98
17/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	GLK943	WG13591	29.72
18/07/2018	Stockpile	WLSP20	GSW	85608.14.R.047	TSE_17	Breen	EPL4608	CP76NX	WF5588	30.6
19/07/2018	Stockpile	WLSP21B	GSW	85608.14.R.049	TSE_17	Breen	EPL4608	CP70NT	WF5751	32.08
19/07/2018	Stockpile	WLSP21B	GSW	85608.14.R.049	TSE_17	Breen	EPL4608	CP70NT	WF5771	35.68
19/07/2018	Stockpile	WLSP21B	GSW	85608.14.R.049	TSE_17	Breen	EPL4608	CP70NT	WF5728	29.76
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CP70NT	WF5794	27.34
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CG57XH	WG13914	30.1
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CG57XH	WG14035	24.8
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CG57XH	WG13980	30.32
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CG57XH	WG14079	25.94
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	BQ60RM	WF5773	31.54
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	BQ60RM	WF5726	29.96
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	BQ60RM	WF5753	34.58
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	BQ60RM	WF5806	29.62
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CE70YV	WF5731	33.36
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CE70YV	WF5758	31.64
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CE70YV	WF5777	30.08
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CE70YV	WG14084	27.34
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	ERC604	WF5729	29.5
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	ERC604	WG13976	33
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	ERC604	WF5776	27.06
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	ERC604	WG14083	27.5
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CH44BA	WF5722	33
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CH44BA	WF5764	34.48
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CH44BA	WF5789	28.5
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CF27YF	WG13899	31
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CF27YF	WG14059	31
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CF27YF	WG13957	31
19/07/2018	Stockpile	WLSP21A	GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CF27YF	WG14006	31
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CP27BU	WG14246	25.96
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CP27BU	WG14309	25.8
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CN77QU	WF5845	26.5
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CN77QU	WF5883	26.58
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CN77QU	WF5867	25.9
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	BQ60RM	WF5916	31.5
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK79SJ	WF5846	29.26
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK79SJ	WF5889	33.18
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK79SJ	WF5901	31.92
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CK79SJ	WF5869	29.52
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CP76NX	WF5847	29.34
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CP76NX	WF5876	31.56
20/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_17	Breen	EPL4608	CP76NX	WF5914	28.04
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	BI07UL	WG14425	29.36
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CI93GR	WG14478	4.72

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CP70NT	WF5941	30.5
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CP70NT	WF5955	33.7
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CP70NT	WF5974	30.24
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CP27BU	WG14379	31.66
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CP27BU	WG14465	23.7
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CP27BU	WG14420	27.86
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	ERC604	WF5962/1	37
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	ERC604	WF5942/1	37
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	BQ60RM	WF5946	30.24
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	BQ60RM	WF5968	34.46
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	ERC609	WG14494	31.42
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	ERC609	WG14454	26.86
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	ERC609	WG14412	30.58
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	ERC604	WG14419	29.04
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	ERC604	WG14464	27.4
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	ERC000	WG14417	30.9
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	ERC000	WG14463	32.18
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CH44BAT	WF5961	32.2
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CH44BAT	WF5945	29.3
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CH44BAT	WF5976	31.3
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CP76NX	WF5957	31.3
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CP76NX	WF5943	28.28
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CP76NX	WF5975	31.74
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	BI07UL	WG14545	32.86
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	UPG002	WG14524	29.18
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	UPG002	WG14576	28.6
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	UPG002	WG14635	28.32
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	UPGO02	WG14698	28.34
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CK79JS	WF6110	27.18
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CK79JS	WF6054	29.38
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CK79JS	WF6079	30.68
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CK79JS	WF6025	30.2
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	BQ35VR	WG14540	34.34
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	BQ35VR	WG14608	28.14
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	BQ35VR	WF6114	30.78
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	BQ35VR	WG14678	30.12
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	UPGO01	WG14586	26.42
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	UPGO01	WG14643	26.4
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	UPGO01	WG14714	21.12
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	UPGO01	WF6016	25.84
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	GLK943T	WG14638	30.48
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	GLK943T	WG14581	28.96
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	GLK943T	WG14527	29.06
23/07/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	GLK943T	WG14699	30.2
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CJ80RT	WG14532	27.3
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CJ80RT	WF6048	30.18
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CJ80RT	WF6078	26.76
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CJ80RT	WG14734	26.64
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CP76NX	WF6073	28.36
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CP76NX	WF6021	29.56
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CP76NX	WF6050	29.12
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CP76NX	WF6102	26.4

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CF27YF	WG14599	25.68
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CF27YF	WG4710	24.1
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CF27YF	WG14548	27.74
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	CF27YF	WG14660	27.28
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	STH503	WF6017	35.3
23/07/2018	Stockpile	WLSP24	GSW	85608.14.R.050	TSE_17	Breen	EPL4608	STH503	WF6045	33.94
23/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	STH503	WF6071	33.24
23/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	STH503	WF6100	32.64
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CE96QM	WG15478	28.12
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CE96QM	WG15543	29.26
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CE96QM	WG15589	29.64
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CE96QM	WG15642	31.46
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	BI07UL	WG15485	30.76
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	BI07UL	WG15617	33.14
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	BI07UL	WG15558	33.92
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CP70NT	WF6454	30.66
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CP70NT	WF6478	33.68
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CP70NT	WF6498	30.92
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CP70NT	WF6532	32.2
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CP27BU	WG15576	27.32
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CP27BU	WG15632	22.6
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CG57XH	WG15549	25.72
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CG57XH	WG15609	28.72
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CG57XH	WG15490	29.54
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	BQ60RM	WF6552	33
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CL80UL	WG15477	29.08
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CL80UL	WG15607	25.54
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CL80UL	WG15532	28.54
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CL80UL	WG15653	30.32
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	413XEB	WG15654	28.44
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	413XEB	WG15627	28.56
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	413XEB	WG15570	30.84
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	413XEB	WG15465	29.58
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	413XEB	WG15517	27.82
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CK79JS	WF6452	31.24
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CK79JS	WF6537	31.14
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CK79JS	WF6503	31.72
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CK79JS	WF6479	32.52
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CH44BAT	WF6455	30.26
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CH44BAT	WF6482	28.96
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CH44BAT	WF6499	30.48
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CH44BAT	WF6534	31.38
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CJ80RT	WG15471	28.82
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CJ80RT	WG15526	28.7
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CJ80RT	WG15585	28.94
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CJ80RT	WG15644	30.5
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CJ80RT	WG15655	31.96
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	STH503	WF6502	31.56
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	STH503	WG15476	34.66
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	STH503	WF6543	32.96
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	STH503	WF6476	33.98
27/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CF19DH	WG15631	27.58

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CE96QM	WG15682	28.62
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CE96QM	WG15715	30.42
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CE96QM	WG15748	30.16
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	ERC609	WF6589	29.54
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	ERC609	WF6608	32.2
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CG57XH	WG15725	29.14
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CG57XH	WG15694	27.26
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	BQ60RM	WF6615	33.14
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	BQ60RM	WF6591	32.02
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	BQ60RM	WF6627	31.7
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	DCT550	WG15685	30.54
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	DCT550	WG15719	30.66
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	DCT550	WG15753	32.92
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	413XEB	WG15721	30.04
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	413XEB	WG15750	29.54
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	413XEB	WG15692	29.12
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CK79JS	WF6594	29.52
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CK79JS	WF6620	35.38
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CQ92BS	WG15711	29.66
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CQ92BS	WG15745	35.18
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CJ80RT	WG1595	28.58
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	CJ80RT	WG15730	29.52
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	ACP404	WG15724	29.6
28/07/2018	Stockpile	WLSP26	GSW	85608.14.R.052	TSE_17	Breen	EPL4608	ACP404	WG15690	30.58
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	XN19AV	WF6761	23.42
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	XN19AV	WF6793	26.18
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	XN19AV	WF6818	24.8
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	XN19AV	WF6829	26.08
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	XN19AV	WG16210	27.86
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6760	33.02
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6792	32.16
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6817	31.2
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6826	30.54
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6848	29.38
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP27BU	WG16025	24.3
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP27BU	WG16092	25.44
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP27BU	WG16145	26.66
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	413XEB	WG16104	30.12
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	413XEB	WG16148	27.86
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	413XEB	WG16185	30.3
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	413XEB	WG16229	31.06
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WG16023	29.18
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WG16100	29.02
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WG16156	32.52
31/07/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WG16206	30.64
1/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6872	34.14
1/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6889	31.36
1/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6906	31.8
1/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6926	34.36
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	413XEB	WF6932	31.12
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	413XEB	WG16366	32.44
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	413XEB	WG16275	32.1

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	413XEB	WG16326	30.8
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CK79JS	WF6916	29.26
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CK79JS	WF6883	30.9
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CK79JS	WF6936	31.42
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CK79JS	WF6902	30.18
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CH44BA	WF6875	29.34
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CH44BA	WF6891	29.72
1/08/2018	Stockpile		GSW	85608.14.R.048	TSE_17	Breen	EPL4608	CH44BA	WF6909	29.16
1/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CH44BA	WF6928	31.62
1/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WG16260	29.86
1/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WG16320	29.28
1/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WF6913	29.44
1/08/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WF6931	30.58
1/08/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WG16454	33.22
1/08/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	ERC357	WG16272	33.42
1/08/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	ERC357	WG16324	31.4
1/08/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	ERC357	WG16368	32.78
1/08/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP76NX	WF6876	30.54
1/08/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP76NX	WF6890	31.8
1/08/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP76NX	WF6908	33.8
1/08/2018	Stockpile	WLSP25	GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP76NX	WF6929	31.14
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6963	31.42
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP70NT	WF6978	28.18
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	BQ60RM	WF6975	32.6
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	BQ60RM	WF6957	32.16
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	413XEB	WG16477	28.78
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CK75JS	WF6964	31.3
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CH44BA	WF6962	31.94
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CH44BA	WF7010	31.18
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WG16498	30.28
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP76NX	WF6958	31.1
2/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP76NX	WF6977	30.3
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP27BU	WG16868	28.9
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP27BU	WG16908	27.58
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CP27BU	WG16829	28.26
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	C657XH	WG16872	31.6
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	C657XH	WG16911	28.2
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	413XEB	WG16928	28.36
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	413XEB	WG16860	32.34
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	413XEB	WG16901	31.06
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CH44BA	WF7144	31.64
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CH44BA	WF7164	30.66
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WG16864	30.84
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	CJ80RT	WG16907	29.84
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	STH503	WG16859	32.74
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	STH503	WF7161	29.46
4/08/2018	Stockpile		GSW	85608.14.R.053	TSE_17	Breen	EPL4608	STH503	WG16929	32.5
6/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CP27BU	WG16979	25.18
6/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CL80UL	WG16994	27.98
6/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CR795S	WF7207	29.14
6/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CR795S	WF7304	25.6
6/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	BP69YR	WG17036	29.24

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CQ92BS	WG17006	29.44
6/08/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	ERC000	WG16996	29.66
6/08/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	CH44BA	WF7202	27.4
6/08/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_17	Breen	EPL4608	BS31PA	WG17037	25.86
6/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CJ80RT	WG16976	27.7
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CP70NT	WF7300	30.34
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CP70NT	WF7330	32.76
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CP70NT	WF7313	31.32
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CP70NT	WF7350	33.76
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	ERC000	WG17187	31.08
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	ERC000	WG17248	30.12
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	ERC000	WG17306	33.42
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	ERC000	WG17380	28.2
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CH44BA	WF7331	32.88
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CH44BA	WF7316	30.44
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CH44BA	WF7301	28.46
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CH44BA	WF7349	31.68
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	BQ60RM	WF7297	32.1
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	BQ60RM	WF7317	32.72
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	BQ60RM	WF7334	30.82
7/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	BQ60RM	WF7354	32.32
9/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CI93GR	WG17860	12.88
9/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CG57XH	WF7585	26.78
9/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CP70NT	WF7571	30.5
9/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CP70NT	WF7594	30.48
9/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CK79JS	WF7584	31.64
9/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	ERC000	WG17786	29.58
9/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	ERC000	WG17854	31.56
9/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	CJ80RT	WF7573	28.42
9/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	ERC357	WG17783	31.26
9/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	ERC357	WG17850	32.78
9/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	BQ60RM	WF7547	31.18
9/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	BQ60RM	WF7568	30.96
9/08/2018	Stockpile	WLSP27	GSW	85608.14.R.054	TSE_17	Breen	EPL4608	BQ60RM	WF7593	32.4
10/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CD13EW	WG17993	29.9
10/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CD13EW	WG17943	29.58
10/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CF28YF	WG17945	30.2
10/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CF28YF	WG17998	28.42
10/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF7632	31.34
10/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF7653	32.72
10/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF7650	31.8
10/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF7630	30.56
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CE96QM	WG18528	29.12
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CE96QM	WG18582	28.04
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CE96QM	WG18642	29.88
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CE96QM	WG18690	29.94
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CE96QM	WG18739	30.84
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	DCT525	WF7948	34.14
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	DCT525	WF7979	34.66
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CP27BU	WF7975	25.82
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CP27BU	WF7921	24.74
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CP27BU	WG18580	23.38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CP27BU	WF8000	27.76
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CN00TX	WF7973	29.8
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CN00TX	WF8002	32.88
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CG57XH	WG18504	30.2
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CG57XH	WG18638	30.56
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CG57XH	WG18568	28.32
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CL52FZ	WG18610	25.9
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CL52FZ	WG18674	29.32
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CK79JS	WF7926	32.18
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CK79JS	WF8014	34.04
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CK79JS	WF7952	35.3
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CK79JS	WF7982	34.44
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CF28YF	WG18576	27.24
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CF28YF	WG18654	29.36
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CF28YF	WG18502	30.58
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CF28YF	WG18707	29.56
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	STH505	WF7916	37.18
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	STH505	WF7943	36.94
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	STH505	WF7971	39.04
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	STH505	WF7997	37.32
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CQ92BS	WF7928	30.98
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CQ92BS	WG18603	31.26
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CQ92BS	WF7987	32.2
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CQ92BS	WG18728	30.88
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF7958	29.46
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF7931	33.6
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF7986	36.7
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF7907	33.36
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF8015	33.22
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	GLK943	WG18622	31.26
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	GLK943	WG18562	30.54
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	GLK943	WG18497	29.02
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	GLK943	WF7995	31.52
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CJ80RT	WF7919	31.3
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CJ80RT	WF7944	28.94
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CJ80RT	WF7972	31.62
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CJ80RT	WF8007	31.38
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF7993	30.9
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF7913	32.46
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF7939	31.04
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF7967	32.54
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF8025	30.24
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO40WS	WG18508	27.66
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO40WS	WF7950	27.18
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO40WS	WG18711	32.88
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO40WS	WG18653	30.56
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	STH503	WF7949	32.42
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	STH503	WF7976	36.98
14/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	STH503	WG18693	35.1
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CM27TM	WF8047	31.56
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CM27TM	WF8069	33.54
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CM27TM	WF8095	33.18

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CK79JS	WF8102	32.96
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CK79JS	WF8080	31.34
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CK79JS	WF8052	32.8
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CK79JS	WF8128	31.18
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CD13EW	WG18769	30.12
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CD13EW	WG18819	30.9
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CD13EW	WG18880	30.7
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CD13EW	WG18926	31.06
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CF28YF	WG18775	30.14
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CF28YF	WG18831	29.7
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CH44BA	WF8054	31.6
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CH44BA	WF8076	29.96
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CH44BA	WF8099	33.82
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CH44BA	WF8125	33.44
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	GLK943T	WG18762	32.46
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	GLK943T	WF8092	29.7
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	GLK943T	WG18811	30.78
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	GLK943T	WF8112	29.24
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	BQ60RM	WF8078	31.86
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	BQ60RM	WF8098	34.08
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	BQ60RM	WF8053	35.98
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	BQ60RM	WF8123	37.1
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CO40WS	WG18817	30.04
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CO40WS	WG18765	32.12
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CO40WS	WG18929	33.5
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CO40WS	WG18876	32.42
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CE96QM	WG18739	30.84
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CE96QM	WG18773	30.04
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CE96QM	WG18826	30.26
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CE96QM	WG18935	29.1
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	CE96QM	WG18878	30.52
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	STH503	WF8043	31.82
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	STH503	WF18808	34.42
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	STH503	WG18859	36.84
15/08/2018	Insitu	Piling Pad	GSW	85608.14.R.031	TSE_17	Breen	EPL4608	STH503	WF8115	35.7
16/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CM27TM	WF8201	35.56
16/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CK79JS	WF8199	33.44
16/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CK79JS	WF8218	34.48
16/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	GLK943	WG19137	33.2
16/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF8176	33.1
16/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO40WS	WG19133	32.62
16/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO40WS	WG19187	36.92
16/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CE96QM	WG19036	28.14
17/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CI93GR	WG19341	13.22
17/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CI93GR	WG19439	14.6
17/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO50DC	WG19340	13.08
17/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO50DC	WG19440	15.58
18/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO50DC	WG19522	13.82
20/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CE70YV	WF8426	31.48
20/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CQ92BS	WG19676	28.3
20/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF8428	28.84
20/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO40WS	WG19660	29.14

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
21/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CI93GR	WG19883	13.58
21/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CI93GR	WF8558	14.3
21/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO23SM	WG19965	13.54
21/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO23SM	WF8559	12.24
22/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CF28YF	WG20131	28.78
22/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	STH505	WF8572	36.84
22/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF8577	32.68
22/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF8592	31.82
22/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WG20122	30.08
23/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CP70NT	WF8692	31.9
23/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CK79JS	WF8697	32.94
23/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF8679	32.44
23/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	BQ60RM	WF8698	31.88
24/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CG57XH	WG20663	26.74
24/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CF28YF	WG20667	27.7
24/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	GLK943	WF8747	28.68
24/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CO40WS	WG20666	23.6
24/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	STH503	WF8746	31.98
24/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CN28HM	WG20629	26.68
27/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF9208	35.54
27/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF9235	30.78
27/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA	WF9275	31.56
28/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	ERC357	WG21075	31.14
28/08/2018	Insitu		GSW	85608.14.R.023	TSE_17	Breen	EPL4608	ERC000	WG121070	29.94
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF8960	29.48
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF8981	33.06
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9007	33.7
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9024	30.3
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9048	31.26
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF8986	36.92
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9038	33.9
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9012	34.36
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CD13EW	WG21287	28.54
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CD13EW	WG21370	27.14
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CD13EW	WG21430	31.04
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CF28YF	WG21278	31.24
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CF28YF	WG21356	31.34
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CF28YF	WG21429	30.26
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CF28YF	WG21543	30.2
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WG21294	27.96
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WG21439	28.04
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	GLK943	WG21268	29.64
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	GLK943	WF8979	31.96
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	GLK943	WF9010	32.06
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	GLK943	WG21472	29.98
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9011	32.26
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9031	31.16
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9053	30.24
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	ERC000	WG21500	30.4
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE96QM	WG21434	28.96
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE96QM	WG21511	30.26
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE96QM	WG21559	29.84

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WG21267	33.72
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WF8977	33.62
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WG21403	35.62
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WF9030	34.78
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG21570	30.5
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG21475	30.52
29/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG21413	32.78
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG57XH	WG21624	30.42
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG57XH	WG21758	26.48
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE70YV	WG21649	32.9
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE70YV	WG21785	35.48
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9076	33.34
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9097	35.82
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9119	33.34
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9165	33.04
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9140	36.98
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CD13EW	WG21554	27.42
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CD13EW	WG21614	28.58
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CD13EW	WG21670	30.12
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CD13EW	WG21719	29.44
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CD13EW	WG21773	31.94
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CF28YF	WG21703	31.42
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CF28YF	WG21757	31.96
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CF28YF	WG21543	30.2
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WG21577	33.88
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WG21640	29.36
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WG21706	33.44
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WG21761	32.24
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	GLK943	WG21568	30.32
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	GLK943	WG21624	30.42
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	GLK943	WF9113	29.24
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	GLK943	WG21724	33.46
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9077	35.16
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9093	28.66
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9115	30
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9135	32.78
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9159	31.12
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	ERC000	WG21583	32.68
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	ERC000	WG21644	29.72
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	ERC000	WG21715	31.42
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	ERC000	WG21764	31.32
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE96QM	WG21615	29.18
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE96QM	WG2167	28.6
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE96QM	WG21723	30.18
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE96QM	WG21775	29.2
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE96QM	WG21799	29.2
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WG21567	32.64
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WF9091	35.5
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WF9112	37.96
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WF9131	33.84
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WF9156	39.28
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG21570	30.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG21634	27.94
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG21749	30.66
30/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG21697/1	32
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG002	WG21922	30.66
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG002	WG21986	29.6
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG57XH	WG21831	26.88
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG57XH	WG21891	27.88
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG57XH	WG21959	30.84
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG57XH	WG22029	25.2
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9169	33.06
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9195	31.82
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9215	32.42
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9236	30.54
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9272	29.7
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE70YV	WG21800	32.39
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE70YV	WG21855	33.56
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE70YV	WG21919	31.68
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE70YV	WG21994	26.36
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	413XEB	WG21823	27.12
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	413XEB	WG21898	27.76
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9266	33.44
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9239	28.84
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9213	38.08
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9190	34.4
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CD13EW	WG21924	24.52
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CD13EW	WG21990	28.06
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WG21849	32.5
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WG21911	32.3
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WF9250	32.4
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG001	WG21827	26.88
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG001	WG21929	29.46
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG001	WG21999	26.36
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG001	WG22060	31
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9277	31.2
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9196	31.94
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9218	32.3
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9248	31.96
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	XN19AN	WG21818	26.56
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	XN19AN	WF9214	24.64
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	XN19AN	WF9238	25.18
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	XN19AN	WG22022	28.1
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	ERC000	WG21988	29.32
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WF9187	32.88
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WF9209	36.96
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WF9232	32.86
31/08/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WF9263	34.38
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG002	29205	30.1
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG002	29245	29.24
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG002	29273	31
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	29229	28.92
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	ERC609	WF9452	31.52
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	ERC609	29262	38.22

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	29203	31.84
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	29241	27.32
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP76NX	29265	31
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP76NX	29222	31
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP76NX	WF9453	31
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CJ80RT	29208	27.9
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG22384	29.88
4/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	29209	30.08
8/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CH44BA	WF9742	29.28
8/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CH44BA	WF9753	31.1
8/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9754	31.68
8/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9741	29.3
8/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK68MN	WG23369	31
8/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK68MN	WG23401	31
8/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE41VX	WF9755	31
8/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE41VX	WG23368	31
8/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG39BO	WG23376	31
8/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG39BO	WG23403	31
10/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG002	WG23521	29.94
10/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG57XH	WG23608	31
10/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9831	31
10/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WF9802	31.06
10/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	UPG003	WG23538	29.24
10/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9794	30.02
10/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9836	31.64
10/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9854	31
10/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CO40WS	WG23467	31
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG57XH	WG23664	30.3
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG57XH	WG23724	29.24
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CG57XH	WG23774	27.88
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CP70NT	WF9873	31.5
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	413XEB	WG23727	31
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9890	31
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9878	31
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CK79JS	WF9904	31
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ35VR	WG23686	32.06
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	GLK943	WG23739	31.36
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9905	34.18
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9881	30.88
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	BQ60RM	WF9929	29.06
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CO40WS	WG23741	31.24
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CJ80RT	WG23722	29.56
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CJ80RT	WG23771	29.8
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WG23736	36.3
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	STH503	WG23781	35.26
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CE96QM	WG23745	31.16
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CM27TM	WF9872	32.58
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG23718	31.66
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG23763	31.34
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	CN28HM	WG23806	30.38
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	HOT604	WG23751	33.62
11/09/2018	Insitu		GSW	85608.14.R.034	TSE_17	Breen	EPL4608	HOT604	WG23792	31.82

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	UPG002	29793	31
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CG57XH	WG23817	28.3
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CK19CW	29780	31
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CK19CW	29824	31
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CE70YV	29844	31
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	BQ60RM	29799	30.12
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	BQ60RM	WF9987	31
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CE96QM	WG23969	32.2
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CE96QM	WG24023	31.12
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CM27TM	29862	29.4
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CM27TM	29811	32.6
12/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CN28HM	29777	31
13/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	BQ60RM	WF10070	31.58
14/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	413XEB	WG24385	28.8
14/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CK79JS	WF10090	30.94
14/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CO40WS	wG24391	27.8
14/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CH75WE	90238	13.8
14/09/2018	Stockpile		GSW	85608.14.R.055	TSE_17	Breen	EPL4608	CH75WE	90264	13.1
20/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	AW26LR	90753	11.13
20/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	AW26LR	90789	9.38
21/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CK79JS	WF10499	30.42
21/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	GLK943	WF10497	30.56
21/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CJ80RT	WF10500	30.66
21/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CJ80RT	WG25739	29.64
21/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	BQ60RM	WF10494	31.7
21/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	BQ60RM	WF10517	31.84
21/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CC50SG	WF10521	29.58
21/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CC50SG	WF10501	28.44
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	XN19AV	WG25837	27.82
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CH44BA	WF10615	31
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CP70NT	WF10595	31.92
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CP70NT	WF10636	31.8
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	ERC609	WF10605	32
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CQ62AI	WG26011	31
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CQ24HI	WF10617	33.52
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	ERC000	WG26027	28.96
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	BQ60RM	WF10599	34.14
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	BQ60RM	WF10626	33.8
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	CC50SG	WG25995	32.92
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608	SB04NW	WG26026	28.8
24/09/2018	Piling Platform		GSW	85608.14.R.015	TSE_17	Breen	EPL4608		WF10607	33.52
25/09/2018	Piling Pad		GSW	85608.14.R.014	TSE_17	Breen	EPL4608	BQ60RM	WF10681	32.28
28/09/2018	Piling Pad		GSW	85608.14.R.014	TSE_17	Breen	EPL4608	CN77QN	WF10826	32.04
28/09/2018	Piling Pad		GSW	85608.14.R.014	TSE_17	Breen	EPL4608	CN77QN	WF10839	32.84
2/10/2018	Piling Pad		GSW	85608.14.R.014	TSE_17	Breen	EPL4608	CP70NT	WF10933	29.12
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	CE70YV	WG2726617	30.68
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	CE70YV	WG2731817	32.5
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	GLK943	WF11007	30.08
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	GLK943	WG27245	31.54
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	GLK943	WF10986	32.08
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	STH505	WF10992	40.06
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	STH505	WF10969	38.44

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	BQ60RM	WF10963	33.06
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	BQ60RM	WF10983	32.26
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	BQ60RM	WF11003	32.58
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	CN28HM	WG27247	33
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	CN28HM	WG27302	31.86
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	CK79JS	WF10965	31.32
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	CK79JS	WF10987	33
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	ISX500	WG27262	33.98
3/10/2018	Stockpile	WLSP29	GSW	85608.14.R.067	TSE_17	Breen	EPL4608	ISX500	WG27314	33.2
22/05/2018	Stockpile	WLSP8	GSW	85608.14.R.030	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	ERC 357	WG3837	35.36
16/08/2018	Piling Platform		GSW	85608.14.R.015	TSE_21	Dial a Dump Industries Pty Ltd	EPL13426	CO23SM	88291	10
8/02/2018	Stockpile	WLSPJ	GSW	85608.14.R.007	TSE_27	Boral Recycling Pty Ltd	EPL11815	BR39KL	280303	11
8/06/2018	Stockpile	WLSP9	GSW	85605.14.R.032	TSE_27	Boral Recycling Pty Ltd	EPL11815	BT02YL	374416	15.28
21/07/2018	Stockpile	WLSP16/19	GSW	85608.14.R.051	TSE_27	Boral Recycling Pty Ltd	EPL11815	CI93GR	228852	9.3
24/05/2018	Stockpile	WLSP5	GSW	85608.14.R.024	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	80733	14.64
14/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	82481	15.78
14/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	82781	10.54
16/06/2018	Stockpile	WLSP11	GSW	85605.14.R.036	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	82717	14.58
25/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	83481	14.48
25/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	83515	14.12
25/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	83453	14.22
29/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	83990	16.02
30/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	84112	14.6
30/06/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	84151	14.84
2/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	84202	15.12
2/07/2018	Stockpile	WLSP13	GSW	85608.14.R.038	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	84243	15.76
5/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	84608	13.88
5/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	84549	16.34
5/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	84660	12.58
5/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CE65DI	84624	12.74
5/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CE65DI	84661	11.12
5/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	BT02LY	84620	14.26
5/07/2018	Stockpile	WLSP15	GSW	85608.14.R.040	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	BT02LY	84659	11.12
6/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	84788	13.22
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	84826	16.4
7/07/2018	Stockpile	WLSP18	GSW	85608.14.R.043	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	84862	15.6
11/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CI93GR	85248	13.6
11/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CI93GR	85282	16.43
11/07/2018	In situ	N/A	GSW	85608.14.R.046	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CO23SM	85249	13.06
29/11/2018	Piling Pad		GSW	85608.14.R.014	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CH40VI	95772	17.22
29/11/2018	Piling Pad		GSW	85608.14.R.014	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CH40VI	95739	17
29/11/2018	Piling Pad		GSW	85608.14.R.014	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	XN12EB	95740	19.5
13/12/2018	Piling Pad		GSW	85608.14.R.014	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CH75WE	96662	15
13/12/2018	Piling Pad		GSW	85608.14.R.014	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CH75WE	96687	15
13/12/2018	Piling Pad		GSW	85608.14.R.014	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CH75WE	96634	15
13/12/2018	Piling Pad		GSW	85608.14.R.014	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CH75WE	96621	15
13/12/2018	Piling Pad		GSW	85608.14.R.014	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	XN41FO	96633	14.32
13/12/2018	Piling Pad		GSW	85608.14.R.014	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	XN41FO	96669	14.52

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	STT409		39
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CP49YX		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CP49YX		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CP49YX		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CP49YX		33
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CL04WN		32
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CL04WN		31.6
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CL04WN		31.7
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CL04WN		31.4
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	GHO511		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	GHO511		30
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	GHO511		30.9
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	GHO511		31.8
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	GHO559		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	GHO559		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	XN28DU		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	XN28DU		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	XN28DU		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CH35NL		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CH35NL		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CH35NL		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	ERC000		31.7
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	ERC000		31.9
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	ERC000		31.6
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CH04JT		32.5
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CH04JT		32.6
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CH04JT		32.3
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	CH04JT		32.2
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	GHO557		29.4
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	GHO557		27.9
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	GHO557		28.5
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_105	Lantrak Eastern Creek	N/A	GHO557		29.7
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.5
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		37.5
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.35
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.4
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		37.2
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		36.8
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.05
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.05
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN14EA		37.5
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN14EA		37.2
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN14EA		36.9
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN14EA		37.4
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CN47ZH		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CN47ZH		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CN47ZH		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CN47ZH		38
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		37.5
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.1
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		37
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		37.5
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.5
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN14EA		37
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CN33MO		30
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	GHO511		29.5
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN28DU		38.7
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ISX500		33
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	GHO543		30
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ24HI		33.5
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BT06JO		37
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	GHO555		31
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	GHO559		31.9
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN14EA		37
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN14EA		37.2
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN14EA		37.1
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN14EA		37.2
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN14EA		37
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN28DU		38.7
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN28DU		38.6
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN28DU		38.7
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN28DU		38.8
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN28DU		38.8
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.2
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.1
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.2
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.3
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BY79WF		37
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BY79WF		37.4
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BY79WF		37.25
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BY79WF		37.2
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BY79WF		37
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BY79WF		37
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BY79WF		37.95
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BY79WF		37.1
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.5
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.35
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		37
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		37.9
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.5
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		37.8
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		37.8
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		37
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.5
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.5
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.5
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.5
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.7
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.7
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.6
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.7
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		31
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		30
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		31.5
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		30
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		31.1
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38.4
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38.25
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38.05
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38.15
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38.1
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38.6
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38.15
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		37.8
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38.2
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		31.9
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.4
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.2
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.3
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.5
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.4
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.3
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.2
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		37
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.1
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.2
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		37.75
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.15
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		37
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.3
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.6
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.7
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.6
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.7
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.7
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.7
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.7
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.7
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD08MS		39
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD08MS		39
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD08MS		38.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD08MS		39
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD08MS		38.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD08MS		39
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD08MS		38.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD08MS		39.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD08MS		39
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		31.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		31
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		30

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		30.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		30.9
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		31.1
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		30.1
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN83GN		31
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		37.25
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38.4
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		37.7
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38.9
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		39.4
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	ERC609		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		31.9
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI81WY		32.1
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ44DM		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.3
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		37
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.2
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.3
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.4
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CK68MN		30.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CK68MN		31
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CK68MN		30.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CK68MN		30.8
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CK68MN		31
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CK68MN		30.9
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CK68MN		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN28DU		38.8
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN28DU		38.8
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	STT409		38.8
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.7
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CD27RQ		37.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CF40TF		32
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CN47ZH		37.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CN47ZH		37.45
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BQ10ZW		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	BQ10ZW		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN85DN		33.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ24HI		33.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CQ24HI		33.2
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		30.6
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		31.55
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		37.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CI64FG		38.2
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.8
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.2
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		28.8
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.6
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.4
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		28.8
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.2
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38.9
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32.6
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32.65
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32.7
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32.7
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32.2
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32.1
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32.3
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32.4
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32.1
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		30
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
15/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		35.7
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		36.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		36.1
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		36.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		36.3
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		36.3
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		36.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		36.6
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.4
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.2
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.6
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.4
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		28.8
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
16/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.1
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.3
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.9
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.2
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.8
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.2

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.7
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.2
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.8
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.8
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.6
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
18/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.9
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.2
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.4
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.3
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.8
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.4
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.5
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.8
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.3
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN19AV		31
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.9
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		38.1
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.8
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.9
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.4

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		36.4
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.7
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.9
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.8
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.4
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.8
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.8
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.6
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.4
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.4
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
29/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.3
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.6
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.6
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.8
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.1
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.2
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.3
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.4
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN17AV		31
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN17AV		31
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN17AV		31
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN17AV		31
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN17AV		31
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN17AV		31
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN17AV		31
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN17AV		31
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	XN17AV		31
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.4
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.6
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.8
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		37.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		38.1
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		38.2
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		38.2
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CH44BA		38.1
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.4

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.4
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.6
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.6
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.8
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.8
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		37.2
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		37.8
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		30.2
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		31
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		31.1
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		31.5
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		31.7
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		31.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CG74DS		32
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
30/04/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP27BU		29.9
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30.2
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		29.8
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CC50SG		30.3
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.9
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.1
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.5
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		36.8
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.3
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP76NX		37.4
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38.1
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		37.9
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		37.8
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		37.6
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		37.4
10/05/2019	Insitu		VENM	85608.14.R.062	TSE_107	Westconnex St Peters Interchange	EPL20772	CP70NT		38
5/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		38
5/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		38
6/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
6/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
6/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
6/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BI07UL		33.1
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BI07UL		33
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BI07UL		33.2
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP27BU		30.2
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP27BU		30.2
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP27BU		30.1
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP27BU		30.3
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP76NX		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP76NX		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP76NX		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP76NX		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM41DV		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM41DV		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM41DV		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM41DV		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM97MZ		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM97MZ		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM97MZ		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM97MZ		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		38.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG57XH		29.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG57XH		29.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG57XH		29.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG57XH		29.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.3
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.4
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		32
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	PM0303		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	PM0303		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	PM0303		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	PM0303		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN85FZ		31.4
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN85FZ		31.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN85FZ		31.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN85FZ		31.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK00KW		32.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK00KW		33
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK00KW		32.8
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK00KW		32.2

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF00ZN		32
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF00ZN		33
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF00ZN		32.75
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF00ZN		32
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.4
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KWTIPA		32.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KWTIPA		32.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KWTIPA		32.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KWTIPA		32.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC609		38
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC609		38
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC609		38
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC609		38
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK79JS		36.3
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK79JS		33.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK79JS		33
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK79JS		33
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.3
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.4
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.2
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.3
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC604		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC604		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC604		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC604		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN48EU		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN48EU		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN48EU		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN48EU		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ62AI		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ62AI		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ62AI		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ62AI		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO543		29.8
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO543		29.9
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO543		29
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO543		29.3
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		32
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		32
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		32
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		32
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CO40WS		32
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CO40WS		32.2
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CO40WS		32.1
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN33AT		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN33AT		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN33AT		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN33AT		31
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK68MN		30
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK68MN		30.1
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK68MN		30.2
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK68MN		30.4
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		29.12
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		26.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32.5
29/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		30.85
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		40.35
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.4
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38.65
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.2
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37.5
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		34.3

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		34.75
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		32.8
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		33.2
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF00ZN		33
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF00ZN		33
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF00ZN		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF00ZN		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		31.5
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		32.2
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31.3
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31.1
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31.3
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31.6
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		30.9
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		30
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.4
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.6
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.5
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		32.1
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.2
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.45
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		39
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		39
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		39
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		39
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE41VX		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE41VX		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE41VX		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE41VX		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.7
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.3
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.6
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI81WY		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32.5
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE96QM		30.5
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE96QM		30.2
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE96QM		29.9
30/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE96QM		30.5
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.5
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BW07DN		37.85
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BW07DN		38
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BW07DN		38.45
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37.9
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		36
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK00KW		34
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK00KW		34.62
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31.2
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.4
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.1
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		30.5
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.85
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.65
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.7
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE41VX		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE41VX		30.5
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN48EU		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN48EU		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN48EU		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN48EU		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN48EU		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN48EU		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO543		29.2
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO543		29.2
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		31
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE96QM		30.4
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CE96QM		30.2
31/01/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		35
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		36.5
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38.7
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.2
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37.5
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		36.1
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		32.3

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		32.6
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		31.3
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		32.1
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31.5
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31.6
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		32
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		30
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.75
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.85
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.7
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.85
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.7
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.1
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.6
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.7
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
1/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		32.1
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		32.2
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.5
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		30.4
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37.7

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37.7
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		38
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.8
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.65
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.6
2/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.3
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.4
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ25HL		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ25HL		30.7
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		32.1
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		32
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		32.2
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		31.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.3
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.4
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		30.06
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		30.4
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		35.6
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.6
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.2
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.3
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.3
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		31
4/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		37
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38.13
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		37
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.2
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		32.1
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CL04WN		32
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		30.9
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31.6

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31.8
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.4
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.8
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.9
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.25
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.72
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37.5
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37.7
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.4
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.65
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.7
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.2
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.3
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.35
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.4
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.3
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		31.5
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		29.1
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		28.3
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		31
5/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN59ER		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		37
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		37
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		37
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31.6
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		32
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		30
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31.8
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.4
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38.6
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.4
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		30.1
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		30.2
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.2
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.5
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		39.1
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		39
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		39
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		39
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.65
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.6
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.85
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.8
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.4
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.7
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.6
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.2
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.1
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.4
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.35
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.4
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.3
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		29.8
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		28.6
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		29.5
6/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30.1
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38.5
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		33
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		33
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		33
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		33
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.3
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.3
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.1

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31.6
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		32
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31.8
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		30
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.4
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		40
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.1
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MAC364		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHo537		30
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHo537		30
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHo537		30
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHo537		30
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.65
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.75
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		30
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN57VC		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN57VC		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN57VC		38
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.3
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.2
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.6
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BT06JO		38.7
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BT06JO		39.2
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BT06JO		36
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		31.5
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30.6
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		31.2
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		29.2
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
7/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38.9
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		37.9
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38.1
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		37.9
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		30.9
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31.6
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO511		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.4
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK19CW		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.6
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		36
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.3
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MAC364		30
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MAC364		30
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MAC364		30
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.6
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		30.8
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.3
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31.6
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31.6
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM27TM		33
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM27TM		32.8
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM27TM		33.3
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
8/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		36.5
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38.5
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38.5
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		36.4
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37.5
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		32.2
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		32
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC357		31.6
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		29.75
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		29.75
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		29.75
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		36.8
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38.5
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD27RQ		37.5
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MAC364		32.4
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MAC364		29.9
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38.1
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		37.9
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.6
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	ERC000		31.8
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
9/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08HS		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08HS		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08HS		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08HS		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38.6
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.55
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		36.8
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.5
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MAC364		33.3
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MAC364		32.7
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MAC364		31.7
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MAC364		30
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.05
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.25
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.3
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.15
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.35
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.5
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.7
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		35.7
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.4
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.7
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.5
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.5
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.3
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.2
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.5
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.3
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN19AV		30
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MUDDOG		37.5
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MUDDOG		38.5
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
11/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.2
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37.9
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37.5
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.5
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.5
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.9

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.5
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.1
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.4
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.3
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.4
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.6
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.4
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		39
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		39
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		39
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		39
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP70NT		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP70NT		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP70NT		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP70NT		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
12/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ62AI		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ62AI		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ62AI		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ62AI		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.4
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.35
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.45
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.4
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.3
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37.3
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		36
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.7
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		33
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.4
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.1
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.2
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.3
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.1
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.4
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.2
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.7
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.45
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.9
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.75
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.65
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.2
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.3
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31.7
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.3
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP70NT		32
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP70NT		31.5
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP70NT		32
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CM41DV		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP70NT		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP70NT		31
13/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP70NT		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.4
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.35
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.3
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		34.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.2
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.7
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		36.8
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.7
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.3
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.4
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.2
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.1
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO550		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO550		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO550		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO550		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		31.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK04KW		33.95
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK04KW		34.05
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK04KW		33
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK04KW		33
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.6
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.7
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.2
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		37
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		37
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		37
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		31.5
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		31.2
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		31.4
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		30.9
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CB12WM		33
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CB12WM		33
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CB12WM		33
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CB12WM		33
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		30
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		30
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		30
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK00KW		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK00KW		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK00KW		31
14/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	EAG130		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.3
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.35
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.45
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.25
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		33
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		33
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		33
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		33
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		36.5
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.7
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.7
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.4
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.2
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.5
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.2
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		34.74
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		35.7
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.6
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		30.7
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.6
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		37
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		37
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		37
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN28DU		37
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		31.5
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		31.4
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		30.9

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		31.2
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CB12WM		32.1
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CB12WM		32.6
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CB12WM		32
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CB12WM		31.8
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
15/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CDYDAT		38
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.4
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.45
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.4
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		32
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		36
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.7
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CJ80RT		0
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.5
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.5
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.5
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.1
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		28.05
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00DI		31.4
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		30

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG24GO		38
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG24GO		38
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG24GO		38
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO540		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ610		31.98
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ610		32.01
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ610		31.8
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO559		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO537		30
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.2
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.4
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.85
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.7
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38.65
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.2
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CB12WM		32.5
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CB12WM		32.5
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
18/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37.5
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.2
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.7
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.4
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31.8
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31.9
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31.8
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31.7
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ610		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ610		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ610		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ610		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.4
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.5
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.1
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.2
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO555		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
20/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		30
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.7
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39.3
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.85
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.8
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38.2
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38.1
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31.9
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31.8
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31.9
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		32
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31.9
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		32
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ25HI		33.7
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ25HI		33.2
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ25HI		33.9
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ25HI		33.5
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN33AT		32
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN33AT		32
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN33AT		32
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
21/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		39
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.4
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.3
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.35
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.35
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	PM0303		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	PM0303		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	PM0303		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	PM0303		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN18EQ		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN18EQ		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN18EQ		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.5
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.7
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	SAJ200		32
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.3
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.4
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.3
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.4
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN00UE		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		33
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MUDDOG		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MUDDOG		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MUDDOG		38
22/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MUDDOG		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CD08MS		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CPYDAT		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP60GI		31.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.4
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.35
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.45
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	BD90NL		32.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CK61PB		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN18EQ		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN18EQ		30

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN18EQ		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.55
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		37.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CI64FG		38.2
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	LHE002		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.7
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.6
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GLK943		31.7
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		32
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		32
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		32
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG14PH		32
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CN33MO		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		39
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	STT409		37.4
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30.15
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30.25
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		30.7
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO557		29.8
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.3
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		35.7
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN56GE		36.1
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	KNW904		30
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG24GO		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG24GO		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG24GO		39
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG24GO		38.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ44DM		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CP49YX		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN35CQ		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG39BO		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG39BO		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG39BO		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CG39BO		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		32.2
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.6
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.4
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	MCS500		31.3
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	XN14EA		38
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.3
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.4
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH04JT		32.1
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO543		29.2
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO543		29.7
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	GHO543		29.1
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		35.5
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		35.3
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		34.6
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CQ24HI		35.4
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CH44BA		31
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
25/02/2019	Insitu		VENM	85608.14.R.062	TSE_108	Moorebank Intermodal Terminal	EPL20966	CF40TF		32
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI64FG		38.2
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI64FG		38.3
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI64FG		38.2
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI64FG		38.1
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		37.7
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38.4
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	KNW904		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	KNW904		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	KNW904		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN35CQ		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN35CQ		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN35CQ		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ISX500		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ISX500		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ISX500		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ISX500		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC357		33
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC357		33
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC357		33
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC303		33
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC303		33
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC303		33
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.2
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.6
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.4
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI81WY		30.7
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI81WY		31.5
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI81WY		32
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CF40TF		32
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CF40TF		32
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CF40TF		32
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CF40TF		32
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BY79WF		37.05
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BY79WF		37.5
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BY79WF		37
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BY79WF		36.95
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI64FG		37.5
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		37.75
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38.5
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60gi		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31.8
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31.7
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CF40TF		32
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CF40TF		32
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CF40TF		32
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CF40TF		32
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		39
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		38.5
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		39
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN47ZH		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN47ZH		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.7
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.6
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.4
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN93GL		33
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN93GL		33
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN93GL		33
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC357		32.1
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC357		32
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC303		33
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC303		33
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.2
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.7
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.25
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.5
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI81WY		31.2
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI81WY		31.9
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI81WY		31.9
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI64FG		36.7
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38.3
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN14EA		37.2
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN14EA		36.9
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		30
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		30
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		30
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO511		30
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO511		31
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN28DU		38.9
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN28DU		38.8
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ISX500		33
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ISX500		33
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ISX500		33
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO543		30
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO543		30
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO543		30
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.4
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.9
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		34.2
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BT06JO		37
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BT06JO		37.2
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BT06JO		38.5
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO555		31
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO555		31
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO555		31
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO559		32
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO559		32.05
12/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO559		32.8
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	PM0303		33
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	PM0303		33
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	PM0303		33

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN33AT		31
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN33AT		31
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN33AT		31
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	LHE002		30
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN14EA		37.3
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		31
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		31
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		31
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		39
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		39
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		38.5
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		39
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		39
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		39
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.7
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.6
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.6
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO511		29
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO511		30
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO511		31
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN28DU		38.9
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT550		32
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT550		32
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT550		32
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT550		32
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC357		32.1
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC357		32.1
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC357		32.1
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC303		32.4
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC303		32.5
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC303		32.5
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.9
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.5
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.9
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		34
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI64FG		37.5
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO555		31
13/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO555		31
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.7
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.6
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.5
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
14/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI64FG		38.2
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38.5
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.7
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.6
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
15/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CK68MN		31
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT525		36.7
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT525		37.9
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT525		33.5
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BW07DN		37.9
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BW07DN		37
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BW07DN		37
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BW07DN		38.65
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38.15
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		37.9
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD27RQ		37.75
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD27RQ		37.75
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD27RQ		37.75
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN56GE		35.3
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN56GE		35.1
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN56GE		35.4
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CH44BA		31.5
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.7
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.5
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.6
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CC50SG		30
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN83GN		31
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN83GN		31
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN83GN		31
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP70NT		32
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT550		31
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT550		31
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT550		31
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC609		38
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC609		38.45
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC609		38.1
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC408		32.3
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC408		32.1
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC408		32.2
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BZ94VH		31.3
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BZ94VH		31.65
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BZ94VH		30.9
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG74DS		32
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP27BU		30
18/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP70NT		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BI07UL		33.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BI07UL		33.6
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BI07UL		33.2
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CH44BA		31.7
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CH44BA		32.2

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CH44BA		30.7
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN28DU		38.7
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN09FE		31.9
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN09FE		31.54
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN33AT		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN33AT		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN33AT		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		37.7
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD27RQ		37.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD27RQ		37.7
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CF40TF		32
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CF40TF		32
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN47ZH		37.45
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.7
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.6
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.4
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CC50SG		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP70NT		32
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP70NT		32
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BP26GS		39
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BP26GS		39
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BP26GS		38.9
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CK79JS		32.8
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CK79JS		33.15
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	DCT550		32
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BQ10ZW		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BQ10ZW		31
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN85DN		33
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.3
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC408		32.1
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	ERC408		32.2
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG74DS		31.85
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG74DS		32.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI64FG		38.5
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CM44AT		38.6
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CM44AT		38.1
19/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CM44AT		39.1
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BI07UL		32.55
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BI07UL		33
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BI07UL		33.2
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ62AI		32.7
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ62AI		30
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ62AI		30.45
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ62AI		30
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BY79WF		37

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BY79WF		37
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BY79WF		37.5
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BY79WF		37
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		37.35
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38.15
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		37.4
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	STT409		38.15
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP60GI		31.5
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN56GE		36
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN56GE		35.8
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN56GE		35.9
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CG14PH		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		39
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		39
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CD08MS		39.5
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		30
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.7
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.6
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GLK943		31.7
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO511		30.8
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO511		30.1
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO511		29.4
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI41WH		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI41WH		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CI41WH		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CM41DV		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CM41DV		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CM41DV		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CM41DV		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP49YX		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP49YX		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP49YX		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP49YX		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN35CQ		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN35CQ		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN35CQ		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN14EA		38.3
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN14EA		38.4
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN14EA		38.4
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BQ10ZW		37.2
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BQ10ZW		37.45
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BQ10ZW		37.55

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	BQ10ZW		37.3
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.3
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.48
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.74
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN48EU		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN48EU		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN48EU		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN48EU		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO555		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO555		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	GHO555		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CK68MN		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CK68MN		31
22/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CK68MN		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP76NX		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP76NX		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN63CX		32
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN63CX		32
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CC50SG		30
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CC50SG		30
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CM97MZ		36.3
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CM97MZ		36.3
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CM97MZ		35.9
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN19AV		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN19AV		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CJ80RT		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CJ80RT		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	MAC364		32
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	MAC364		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CN33MO		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	KNW904		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	KNW904		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CH44BA		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CH44BA		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN69AY		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN83GN		31.1
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN83GN		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	XN83GN		30.9
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP70NT		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CP70NT		31
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.3
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.2
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ24HI		33.2
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CJ74DS		31.85
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CJ74DS		32.4
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
23/03/2019	Insitu		VENM	85608.14.R.062	TSE_112	Templar Road Extension	N/A	CQ44DM		38
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CP76NX		31.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN83GN		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CP70NT		32.5
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CP76NX		36.9
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CP76NX		36.5
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CG39BO		30
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CG39BO		30
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CG39BO		30
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CL52FZ		31
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CL52FZ		31
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CL52FZ		31
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN48EU		31
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN48EU		31
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN48EU		31
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CP60GI		31.5
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CP60GI		31.5
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CP60GI		31.5
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	GLk943		31.6
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	GLk943		31.8
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	GLk943		32
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CI41WH		31
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CI41WH		31.8
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CI41WH		32
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	BJ81CC		38.3
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	BJ81CC		38
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	BJ81CC		38.5
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	ERC357		32.5
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	ERC357		32.5
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	ERC357		32.5
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CE41VX		30
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CE41VX		30
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CE41VX		30
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	ERC000		31.6
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	ERC000		31.8
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CQ24HI		32.5
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CQ24HI		32.6
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CQ24HI		33
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	BZ94UH		31.8
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	BZ94UH		32.05
2/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	ERC000		31
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CG39BO		30.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CG39BO		30.4
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CG39BO		30.45
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CQ62AI		30
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CQ62AI		30
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	PM0303		32.4
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	PM0303		32
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN63CX		31.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN63CX		32.1
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN33AT		33
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN33AT		33
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN33AT		33
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN19AV		29.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN19AV		31
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN19AV		31
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN18QE		27
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN18QE		26
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CP60GI		31.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CP60GI		31.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CP60GI		31.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	GLK943		32.3
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	GLK943		31.9
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	GLK943		31.7
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CI41WH		32
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CI41WH		32
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CI41WH		31.85
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	BJ81CC		38.1
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	BJ81CC		38.3
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	BJ81CC		38
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	STH503		37
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	STH503		37.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	STH503		37
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CK79JS		30.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CK79JS		32.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	ERC357		32.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	ERC357		32.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN80FX		31.25
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	XN80FX		30.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CQ24HI		32.5
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	CQ24HI		32
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	01KURU		32
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	01KURU		31.9
6/05/2019	Insitu		VENM	85608.14.R.062	TSE_113	Qube Moorebank	EPL21054	01KURU		31.8
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.8
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.2
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.9
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.9
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.8
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		29
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		26.3
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		30.05
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		29.1
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		29
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CJ80RT		29.2
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CJ80RT		29.7
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CJ80RT		30.35
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CJ80RT		30.1
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CJ80RT		30.5
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		36.7
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		36.9
14/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		36.7
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.9
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.6
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.7
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.8

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.6
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		36.2
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		37.4
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		36.7
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		37.13
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		37
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	GLK943		32.2
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	GLK943		32.3
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	GLK943		31.9
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	GLK943		32.2
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	ISX500		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	ISX500		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	ISX500		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	ISX500		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	ISX500		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CI59WD		33
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CI59WD		33.2
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CI59WD		33.4
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CI59WD		33.1
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CG74DS		31
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CG74DS		31
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CG74DS		31
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CG74DS		31
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN19AV		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN19AV		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN19AV		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN19AV		30
15/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN19AV		30
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.8
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.7
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		38
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37.7
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		38.9
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		29.1
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		28.1
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		28.1
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		28.5
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		28
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP27BU		29.9
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP27BU		30.05
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP27BU		30.15
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP27BU		30.1
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP27BU		30.15
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		36.2
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		36.4
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		37.2
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CH44BA		36.8

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CI59WD		33
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CI59WD		33.4
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CI59WD		33.5
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CI59WD		33.1
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CI59WD		33.05
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CG74DS		31
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CG74DS		31
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CG74DS		31
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CG74DS		31
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CG74DS		31
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN19AV		30
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN19AV		30
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN19AV		30
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN19AV		30
16/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN19AV		30
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP76NX		37.2
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP76NX		37.2
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CP70NT		37
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		30
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		30
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CC50SG		30
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CM44BA		31
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CM44BA		31
17/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	CM44BA		31
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN63CX		31.4
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN63CX		31.01
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN63CX		31.8
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN63CX		32.3
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN63CX		32.5
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	GLK943		32.1
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	GLK943		31.9
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	GLK943		32.2
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	GLK943		31.8
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	GLK943		32
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN83GN		31
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN83GN		31.5
22/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN83GN		30.2
24/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	XN63CX		0
24/05/2019	Insitu		VENM	85608.14.R.063	TSE_113	Qube Moorebank	EPL21054	ERC303		31.65
13/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_14	MET Recycling	EPL20948	CE96CB		30.46
13/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_14	MET Recycling	EPL20948	CE96CB		30.38
13/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_14	MET Recycling	EPL20948	CE96CB		25.46
6/07/2018	Insitu		VENM	85608.14.R.012	TSE_14	MET Recycling	EPL20948	CE70YV		31
6/07/2018	Insitu		VENM	85608.14.R.012	TSE_14	MET Recycling	EPL20948	CE70YV		31
6/07/2018	Insitu		VENM	85608.14.R.012	TSE_14	MET Recycling	EPL20948	CE70YV		31
9/07/2018	Insitu		VENM	85608.14.R.012	TSE_14	MET Recycling	EPL20948	CF28YF		31
6/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	CP70NT		33
6/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	CP00RQ		30.12
6/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	CJ80RT		31
6/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	CJ80RT		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
7/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	UPG003		31
7/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	UPG003		31
9/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	CP70NT		36.6
9/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	CH44BA		31.6
10/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	COP70NT		37
10/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	CG57XH		31
10/07/2018			VENM	85608.14.R.012	TSE_17	Breen	EPL4608	CG57XH		31
2/08/2018	Insitu		VENM	85608.14.R.045	TSE_17	Breen	EPL4608	CK75JS		31
6/08/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_17	Breen	EPL4608	CL80UL		31
6/08/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_17	Breen	EPL4608	CL80UL		31
27/08/2018	Insitu		VENM	85608.14.R.023	TSE_17	Breen	EPL4608	CH44BA		31
31/08/2018	Insitu		VENM	85608.14.R.034	TSE_17	Breen	EPL4608	UPG002		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ISX500		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ISX500		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ISX500		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ISX500		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ISX500		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ISX500		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ISX500		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ISX500		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CF96XT		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CF28YF		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CG57XH		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CG57XH		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CP60GI		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CP60GI		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CP60GI		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE96QM		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	XN19AV		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	XN19AV		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	GLK943		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	GLK943		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	GLK943		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CQ62AI		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CQ62AI		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CP76NX		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		31
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE41VX		31
21/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	413XEB		31
21/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		31
21/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	GLK943		31
21/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	GLK943		31
21/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	GLK943		31
21/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CJ80RT		31
21/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN77QU		31
22/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN77QU		31
22/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN77QU		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	XN19AV		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	XN19AV		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CH44BA		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK19CW		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK19CW		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK19CW		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK19CW		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CP70NT		33
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CP70NT		33
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE70YV		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	413XEB		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	413XEB		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	GLK943		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC609		37
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC609		37
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CQ62AI		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CQ62AI		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CP76NX		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CP76NX		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CP76NX		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CQ24HI		33
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		33
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		33
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CC50SG		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CC50SG		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	SB04NW		31
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		33
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		33
24/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		33
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	XN19AV		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	XN19AV		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	XN19AV		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	XN19AV		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CG57XH		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CG57XH		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CG57XH		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	413XEB		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	413XEB		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	413XEB		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CF28YF		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CF28YF		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CF28YF		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ35VR		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ35VR		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ35VR		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC609		37
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC609		37
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC609		37
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	STH505		37
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	STH505		37
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	STH505		37
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC604		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC604		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC604		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		28.23
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE96QM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE96QM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE96QM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE96QM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN00TX		33
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN00TX		33
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN00TX		33
25/09/2018	Insitu		VENM	85608.14.R.034	TSE_17	Breen	EPL4608	CC50SG		31
25/09/2018	Insitu		VENM	85608.14.R.034	TSE_17	Breen	EPL4608	CC50SG		31
25/09/2018	Insitu		VENM	85608.14.R.034	TSE_17	Breen	EPL4608	CC50SG		31
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		33
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		33
25/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		33
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CG57XH		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CG57XH		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CG57XH		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CP70NT		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE70YV		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE70YV		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE70YV		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE70YV		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	413-XEB		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	413-XEB		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	GLK943		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	GLK943		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	GLK943		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	STH503		37
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	STH503		37
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	STH503		37
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	UPG003		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	UPG003		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	UPG003		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CM41DV		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CM41DV		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ACP404		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ACP404		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ACP404		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	ERC000		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CJ80RT		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CJ80RT		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CJ80RT		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	STH503		35
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	STH503		36
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	STH503		37
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE96QM		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE96QM		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CE96QM		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		33
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		33
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		33
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	BQ60RM		33
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CN28HM		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CF28YF		31
27/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CF28YF		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	XN19AV		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CH44BA		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CH44BA		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CN77QN		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CG57XH		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CG57XH		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CG57XH		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CK19CW		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CK19CW		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CK19CW		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CP70NT		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CP70NT		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CP70NT		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	DCT525		33
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	DCT525		33
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	DCT525		33
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CE70YV		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CE70YV		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CE70YV		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	GLK943		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	GLK943		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	GLK943		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	ACP404		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	ACP404		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	ACP404		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	PM0303		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	PM0303		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	PM0303		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	ERC000		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	ERC000		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	ERC000		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CJ80RT		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CJ80RT		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	BQ60RM		33
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	BQ60RM		33
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	BQ60RM		33
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	BQ60RM		33
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CN28HM		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CN28HM		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CN00TX		33.1
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CN00TX		33.1
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CN00TX		35.5
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CP60GI		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CP60GI		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CP60GI		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	SLK908		33
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	SLK908		33
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	SLK908		33
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	CK79JS		33
28/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		33
28/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CK79JS		33
28/09/2018	Insitu		VENM	85608.14.R.058	TSE_17	Breen	EPL4608	CC50SG		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_17	Breen	EPL4608	ERC609		32.59
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP70NT		32
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP70NT		36.9
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP70NT		36
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP76NX		36.5
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP76NX		35.7
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP76NX		35.9
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE96CB		29.9
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE96CB		30
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE96CB		29.9
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	SB04NW		32
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_28	Boral Recycling Pty Ltd	EPL12418	SB04NW		31.5
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP70NT		33
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP70NT		33
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP70NT		33
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP70NT		33
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP00RQ		32.85
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP00RQ		32.5
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP00RQ		32.2
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	UPG003		31
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	UPG003		30.5
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	UPG003		30.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	UPG001		31
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	UPG001		31
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	UPG001		31
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	GRC357		31
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	GRC357		31
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP00RQ		32.1
21/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP00RQ		32.5
28/06/2018			VENM	85608.14.R.012	TSE_36	Clean and Green Organics	EPL11539	CO23SM		15.68
28/06/2018	In situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP56KD		11.3
28/06/2018	In situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP56KD		12.66
28/06/2018	In situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CP56KD		11.9
28/06/2018	In situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CI93GR		15
28/06/2018	In situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CI93GR		15
28/06/2018	In situ	N/A	VENM	85608.14.R.020	TSE_36	Clean and Green Organics	EPL11539	CI93GR		15
6/07/2018			VENM	85608.14.R.012	TSE_36	Clean and Green Organics	EPL11539	CP70NT		36.5
6/07/2018			VENM	85608.14.R.012	TSE_36	Clean and Green Organics	EPL11539	CP76NX		36.2
31/05/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CI93GR		15
31/05/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CI93GR		15
31/05/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	C050DC		15
1/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP70NT		32
1/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP70NT		32
1/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP70NT		32
1/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CH44BAT		33.5
1/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CH44BAT		38
1/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CH44BAT		32
1/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CK30XE		33
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CK30XE		33
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CK30XE		33
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CH44BAT		33.5
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CH44BAT		32
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CH44BAT		32
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
1/06/2018	In Situ	N/A	VENM	85608.14.R.033	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	DCT550		31
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	DCT550		31
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP27BU		29.8
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP27BU		30
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP70NT		32
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP70NT		32
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP76NX		31.5
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP76NX		31.8
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CE96CB		29.7
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CE96CB		30
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CH44BAT		31.5
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CC5056		30.8

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
6/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP27BU		29.8
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP27BU		29.5
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP27BU		30
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	GLK943		30
7/06/2018	In Situ	N/A	VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	GLK943		30
9/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	CG57XH		30
9/07/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
9/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
9/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
9/07/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK21SI		31
9/07/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK21SI		31
10/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	UPG002		31
10/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	UPG002		31
10/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	CK25KVT		30.8
10/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
10/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
10/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	CK21SI		31
10/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	UPG001		29.7
10/07/2018			VENM	85608.14.R.012	TSE_37	Catherine Park Subdivision	N/A	UPG001		30.11
31/07/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
31/07/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
31/07/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
2/08/2018	Insitu		VENM	85608.14.R.056	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31.28
2/08/2018	Insitu		VENM	85608.14.R.056	TSE_37	Catherine Park Subdivision	N/A	CP70NT		33.2
2/08/2018	Insitu		VENM	85608.14.R.056	TSE_37	Catherine Park Subdivision	N/A	413XEB		30.38
2/08/2018	Insitu		VENM	85608.14.R.056	TSE_37	Catherine Park Subdivision	N/A	413XEB		30.48
2/08/2018	Insitu		VENM	85608.14.R.056	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		30.54
2/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CP76NX		29.82
13/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33.1
13/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		32.1
13/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
13/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CM27TM		32.5
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CM27TM		32.4
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH505		37
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH505		37
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH505		37
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	GLK943		26.7
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	GLK943		29
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		30.4
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		32.6
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		29.2
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CO40WS		28.4
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CO40WS		30.1

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		27.3
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
16/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
17/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
17/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31.9
17/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CD13EW		31
17/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
17/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH505		37
17/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
17/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
17/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		32
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		32.1
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		29.58
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CF28YF		29.5
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		32.04
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31.19
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
20/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CF28YF		25.24
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		26.2
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		29.7
21/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		22.2
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CP70NT		30.5
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CP70NT		30.6
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CP70NT		28.1
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		30.07
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31.5
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		27.3
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CF28YF		29.3
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CF28YF		27
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BO35VR		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BO35VR		30.4
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH505		37
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH505		35.4
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH503		31.9
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH503		37
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH503		33.5
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		29
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		30.6
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		28.9
22/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CG57XH		25.1
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CG57XH		24.6
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CG57XH		28.7
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CP70NT		29.3
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31.4
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		28.6
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		29.3
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		28.1
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CF28YF		28
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CF28YF		29.3
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		30.9
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		30.1
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		31
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	GLK943		29.1
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	GLK943		24.5
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	GLK943		30.3
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		29.4
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		26.2
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		25.2
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		25.7
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH503		33.3
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH503		31.1
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH503		33.2
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		30.1
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		28.9
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
23/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		28.6
24/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CG57XH		27.3
24/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31
24/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
24/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CO40WS		27.8
24/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
24/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH503		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CH27TM		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CH27TM		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CH27TM		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC609		24.75
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC609		25.7
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC609		29.15
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC604		25.1
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC604		30.04
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC604		31.12
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60KM		28.9
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		27.45
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH503		24.05
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH503		25.95
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	STH503		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
28/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
29/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
29/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CD13EW		31
29/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		31
29/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
29/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
29/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
29/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
29/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
31/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CD13EW		30.3
31/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CF25YF		31
31/08/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
3/09/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		30.48
3/09/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
3/09/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		31
3/09/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		31
4/09/2018	Insitu		VENM	85608.14.R.045	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG003		28.6

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG003		29.35
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG003		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		30.2
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		25.05
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH505		37
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH505		37
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH505		37
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		30.95
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		30.5
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		30.6
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		30.65
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		33
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		32.35
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31.6
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		33
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		30.7
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		36.4
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		37
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		36.05
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		30.2
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
6/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CP70NT		29.7
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CP70NT		30.9
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CP70NT		32.6
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CD13EW		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH505		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH505		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH505		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG003		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG003		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG001		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG001		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG001		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	AKY247		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	AKY247		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	AKY247		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
10/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		29.06
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	HOT604		31
11/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	HOT604		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN00TX		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN00TX		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN00TX		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF28YF		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ35VR		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC609		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH505		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH505		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH505		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG003		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG003		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG003		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	AKY247		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	AKY247		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CRC357		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CRC357		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		37
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ05CZ		33
12/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	SIK908		31
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	UPG002		31
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	AKY247		33
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	AKY247		33
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	AKY247		33
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
13/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CP60GJ		31.38
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	AKY247		33
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	AKY247		33
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		31
14/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	XN19AV		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF96XT		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF96XT		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CF96XT		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33.46
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31.15
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	DCT525		33
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	DCT525		33
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	DCT525		33
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		33
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
17/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	DCT525		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	DCT525		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CK79JS		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	ERC609		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	STH503		37
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CE96QM		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31.5
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CN00TX		37
19/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	SIK908		31.8
20/09/2018	Insitu		VENM	85608.14.R.058	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
28/09/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
3/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
3/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	XN19AV		31
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		33
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	DCT550		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	ERC609		37

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	CG74DS		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	CP76NX		37
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	CP76NX		37
11/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
11/10/2018	Insitu		VENM	85608.14.R.063	TSE_37	Catherine Park Subdivision	N/A	CP76NX		33
15/10/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
15/10/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CN77QU		33
15/10/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31.1
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC609		36.35
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31.3
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CM41DV		30.6
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CM41DV		27.65
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		29.25
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
15/10/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CO40WS		32
15/10/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CO40WS		32
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		30.45
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CE96QM		30.5
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	SIK550		37
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	SIK550		30.04
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	SIK550		37
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		29.5
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31.65
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		33
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CM41DV		30.6
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CM41DV		27.65
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		30
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		29.6
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		30
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ACP404		31.5
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ACP404		31.6
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC604		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC609		38.22
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		32.4
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CP27BU		28.8
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CP27BU		28.7
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	STH505		36.3
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	STH505		38.4
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	DCT525		33
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ACP404		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ACP404		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		30
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		30
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC357		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ACP404		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ACP404		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC604		30.25
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	ERC604		31.5
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK79JS		33
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	STH505		37.6
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	STH505		36.2
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	CK79JS		28.66
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31.1
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CH44BA		30.8
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.5
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.4
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.6
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	ERC609		34.35
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31.1
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	SB04NW		30.1
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CH44BA		30.8
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31.4
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CH44BA		30.3
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.5
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.18
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.4
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	ERC609		37.39
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31.9
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CB12WM		32.05
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31.95
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		33
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		33
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CQ92BS		33
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	STH503		37
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	STH503		30.44
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	STH503		37
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
26/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	XN19AV		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	XN19AV		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	XN19AV		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CH44BA		30.7
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31.5
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.4
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.5
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.4
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CO40WS		29.83
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		28.91
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	STH503		37
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	STH503		37
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	STH503		37
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CC50SG		30.1
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CC50SG		30.2
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CC50SG		30
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ACP404		31.8
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ACP404		31.3
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ACP404		31.7

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
29/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC604		31.42
29/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	ERC604		37
29/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	ERC604		37
29/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
29/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
29/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
29/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
29/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	SB04NW		29.9
29/10/2018	Insitu		VENM	85608.14.R.060	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31.5
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CH44BA		29.83
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31.1
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31.1
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31.1
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.5
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.4
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.5
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CO27NL		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CO27NL		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CB12WM		32
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK68MN		30.3
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK68MN		30
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK68MN		30.2
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31.2
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31.05

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		30.85
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CM27TM		29.61
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC604		31.12
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC604		31.52
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31.1
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	SB04NW		3.9
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31.2
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK79JS		38.14
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
30/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31.5
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CH44BA		30.8
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31.1
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CO27NL		31.5
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31.13
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	STH503		37
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	STH503		37
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		33
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		33
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		33
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31.55
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	413XEB		33
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CH44BA		30.8
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CG57XH		29.87
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	STH503		37
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	STH503		37
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	STH503		37
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	ACP404		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	ACP404		31.7
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	ACP404		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CP60GI		33
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CP60GI		33
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	CP60GI		33
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31.3
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
2/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CH44BA		27.8
2/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CH44BA		30.5
2/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CH44BA		30.6
2/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
2/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
2/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	STH503		37
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	STH503		37
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	STH503		37
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CN28HM		29.28
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
2/11/2018	Insitu		VENM	85608.14.R.061	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
5/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
5/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
5/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
5/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
5/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
5/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CO27NL		31.5
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CO27NL		31.5
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CQ62Ai		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CQ62Ai		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	CQ62Ai		31
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	STH503		37
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	STH503		37
5/11/2018	Insitu		VENM	85608.14.R.065	TSE_37	Catherine Park Subdivision	N/A	STH503		37
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	ACP404		31.9
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	ACP404		31.5
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	ACP404		31.8
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
5/11/2018	Insitu		VENM	85608.14.R.064	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
6/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
6/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		26.75
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	STH503		37
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	STH503		37
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	STH503		37
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		28.77
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CK79JS		29.02
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	STH505		37
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	STH505		37
6/11/2018	Insitu		VENM	85608.14.R.066	TSE_37	Catherine Park Subdivision	N/A	STH505		37
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	GLK843		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	GLK843		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN00TX		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN00TX		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	Bq60RM		31.19
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	Bq60RM		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	01KURU		27.57
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC604		31.02
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC604		31.42
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH505		37
7/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH505		37
9/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP76NX		31
9/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP76NX		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CP27BU		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CP27BU		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CP27BU		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK19CW		29.5
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK19CW		30.3
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK19CW		29.2
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CE70YV		30.7
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH503		32.3
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH503		34.5
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH503		37
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN00TX		33
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN00TX		33
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	BQ60RM		27.3
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	01KURU		29.5
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG39BO		29.1
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG39BO		27.9
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	413XEB		30.2
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH505		37
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH505		37
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH505		37

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN787QU		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CN787QU		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CP76NX		31
9/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CP76NX		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG57XH		27.7
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	PM0303		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	413XEB		28.1
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ISX500		27
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CP27BU		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CP27BU		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP27BU		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP27BU		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP27BU		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP27BU		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CL52FZ		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CL80UL		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CL80UL		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.5
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC000		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	STH503		37
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	STH503		37
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	STH503		37
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN00TX		37
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN00TX		37
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN00TX		37
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
12/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ACP404		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ACP404		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ACP404		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK00KW		32.03
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK00KW		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CF04KW		30.2
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CF04KW		32.75
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CF00ZN		29.74
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CF00ZN		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CF96XT		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CF96XT		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CF96XT		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH505		37
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH505		37
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH505		37
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	STH505		37
12/11/2018	Insitu		VENM	85608.14.R.023	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CG57XH		29.29
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	GLK943		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.4
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.3
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CB12WM		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CM41DV		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		33
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		33
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		33
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CM27TM		30.22
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN28hm		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN28hm		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN28hm		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN00TX		28.3
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN00TX		33
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN00TX		33
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CJ80RT		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK68MN		30
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK68MN		30.1
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC609		37

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC604		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC604		31.12
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC604		30.42
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK00KW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK00KW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK00KW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	LHE002		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	LHE002		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CF00ZN		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CF00ZN		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CF00ZN		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	STH505		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	STH505		37
13/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	STH505		37
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CG57XH		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK19CW		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.5
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	GLK943		31.4
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CB12WM		32
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CB12WM		32
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CQ62AI		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		33
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		33
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		33
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ERC000		31.9
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ERC000		31.8
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ERC357		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37.5
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ISX500		33
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ISX500		33
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC604		30.92
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC604		31.12
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	ERC604		30.92
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CE70YV		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK00KW		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK00KW		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK00KW		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	LHE002		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	LHE002		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	LHE002		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	LHE002		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CF00ZN		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CF96XT		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CF96XT		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CP60GI		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	SB04NW		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	STH505		37
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_37	Catherine Park Subdivision	N/A	STH505		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CH44BA		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CP70NT		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		33
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		33
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CM27TM		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ERC609		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN77QU		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CF02ZN		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CF02ZN		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CF02ZN		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	LHE002		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CP76NX		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CP76NX		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CP76NX		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	STH505		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	STH505		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	STH505		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CQ24HI		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CO40WS		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CM27TM		33
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN00TX		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN00TX		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN00TX		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CD27RQ		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ISX500		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	ISX500		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK68MN		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	01KURU		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN77QU		33
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN77QU		33
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CF02ZN		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CF02ZN		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CF02ZN		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	LHE002		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK04KW		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CK79JS		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	STH505		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	STH505		37
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	STH505		37
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	413XEB		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CG39BO		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_37	Catherine Park Subdivision	N/A	CN28HM		31
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CP27BU		29.48
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CP27BU		27.76
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	ERC609		33.08
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	ERC609		33
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	STH505		31.98
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	STH505		37.32
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CJ80RT		25.74
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CJ80RT		29.42
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CJ80RT		30.08
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CP76NX		31.52
24/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CP76NX		31.7
25/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	XN19A		26.46
25/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CP70NT		32.26
25/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CP70NT		34.96
25/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CH44BA		25.2
25/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CH44BA		36.54
25/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CJ80RT		30.2
25/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CP76NX		30.78
25/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CP76NX		29.86
25/07/2018	Insitu		VENM	85608.14.R.031	TSE_39	Benedict Recycling Pty Ltd	EPL4504	CP76NX		31.56
1/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CE96QM		31
6/08/2018	Insitu		VENM	85608.14.R.058	TSE_44	Nirimba Defence Housing Development	N/A	CE96QM		31
6/08/2018	Insitu		VENM	85608.14.R.058	TSE_44	Nirimba Defence Housing Development	N/A	CQ62A1		31
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	CQ62A1		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	CR795S		33
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	CR795S		33
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	BP69YR		31
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	BP69YR		30.6
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	CH44BA		30
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	CH44BA		29.9
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	CH44BA		30
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	ERC357		31
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	ERC357		31
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	BS31PA		31
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_44	Nirimba Defence Housing Development	N/A	BS31PA		31
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CG57XH		29.7
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CG57XH		27.5
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CP70NT		31
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CP70NT		31
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CK79JS		31
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CK79JS		31
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	ERC000		31
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CJ80RT		28.8
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CJ80RT		31
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	ERC357		31
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	BQ60RM		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CG57XH		28
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CM41DV		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CM41DV		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CQ62AI		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CQ62AI		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CG39B0		25.9
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CG39B0		28.9
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	ISX500		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	ISX500		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30.1
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CE41VT		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CE41VT		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	PHO303		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	PHO303		31
18/08/2018	Insitu		VENM	85608.14.R.045	TSE_44	Nirimba Defence Housing Development	N/A	CJ80RT		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	XN19AV		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CP70NT		33
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CP70NT		33
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	ERC609		37
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	ERC609		37
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CM41DV		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CM41DV		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CB12WM		32.5
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CB12WM		31.9
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	ISX500		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	ISX500		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	BQ60RM		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	BQ60RM		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CQ62AI		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CQ62AI		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CJ80RT		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CJ80RT		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	ERC359		32
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CC50SG		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CC50SG		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CE41VX		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CE41VX		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	SB04NW		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	SB04NW		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CP76NX		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CP76NX		31
3/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CE70YV		31
3/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
3/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	STH505		37
3/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	BQ60RM		33
3/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CK79Js		33
3/10/2018	Insitu		VENM	85608.14.R.059	TSE_44	Nirimba Defence Housing Development	N/A	CK79Js		33
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK19CW		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CM41DV		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CO40WS		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_44	Nirimba Defence Housing Development	N/A	CP60GI		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_44	Nirimba Defence Housing Development	N/A	SB04NW		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CP27BU		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CP27BU		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CP27BU		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CB12WM		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CB12WM		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CM41DV		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CM41DV		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CM41DV		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CQ62AI		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CQ62AI		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CQ62AI		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CN28HM		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CN28HM		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CN28HM		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CJ80RT		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CJ80RT		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		30.1
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	LHE002		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CP60GI		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CP60GI		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CP60GI		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	SB04NW		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	SB04NW		30.14
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	SB04NW		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CB12WM		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CB12WM		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CO40WS		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CO40WS		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CN28HM		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CE70YV		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CE70YV		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CE70YV		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	LHE002		31
16/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	LHE002		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK19CW		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK19CW		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK19CW		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CN28HM		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CN28HM		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CN28HM		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CN28HM		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	01KURU		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	01KURU		28.11
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	01KURU		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG57XH		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG57XH		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG57XH		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CE70YV		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CE70YV		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CE70YV		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CE70YV		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	413XEB		26.05
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	413XEB		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	XN19AV		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	XN19AV		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CB12WM		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CB12WM		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CB12WM		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CM97MZ		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CM97MZ		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CM97MZ		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CL04WN		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CL04WN		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CL04WN		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK19CW		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK19CW		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK19CW		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK61PB		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK61PB		29.92
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK61PB		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK00KW		33
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK00KW		33
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK00KW		33
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		30.5
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30.2
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30.3
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		30
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		30
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		30
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	GLK943		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30.2
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30.1
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		28.69
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		30.3
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CG39BO		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_44	Nirimba Defence Housing Development	N/A	CK68MN		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_49	Holt Land Rehabilitation	EPL5658	Ck79JS		37
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_49	Holt Land Rehabilitation	EPL5658	Ck79JS		37
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_49	Holt Land Rehabilitation	EPL5658	Ck79JS		37
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_49	Holt Land Rehabilitation	EPL5658	UPGO03		32
6/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	XN19AV		31
6/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	CQ10HL		37
6/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	CQ10HL		37
6/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	CH44BA		31.3
9/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	CG57XH		30
9/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	CF96XT		31
9/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	413XEB		31
9/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	CD13EW		31
9/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	CF28YF		31
9/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	CQ10NL		31
9/07/2018			VENM	85608.14.R.012	TSE_51	Elford Group	EPL20498	JC404		29.8
6/08/2018	Insitu		VENM	85608.14.R.058	TSE_51	Elford Group	EPL20498	CE96QM		31
6/08/2018	Insitu		VENM	85608.14.R.058	TSE_51	Elford Group	EPL20498	CP27BU		28.2
6/08/2018	Insitu		VENM	85608.14.R.058	TSE_51	Elford Group	EPL20498	CP27BU		31
6/08/2018	Insitu		VENM	85608.14.R.058	TSE_51	Elford Group	EPL20498	CG57XH		31
6/08/2018	Insitu		VENM	85608.14.R.058	TSE_51	Elford Group	EPL20498	CG57XH		31
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_51	Elford Group	EPL20498	STH505		34.6
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_51	Elford Group	EPL20498	STH505		36
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_51	Elford Group	EPL20498	STH505		36
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_51	Elford Group	EPL20498	CG39BO		30.6
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_51	Elford Group	EPL20498	CG39BO		29.8
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_51	Elford Group	EPL20498	CK68MN		30.1
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_51	Elford Group	EPL20498	CK68MN		30.3
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_51	Elford Group	EPL20498	CK68MN		30.2
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_51	Elford Group	EPL20498	CE41VX		31
6/08/2018	Insitu		VENM	85608.14.R.056	TSE_51	Elford Group	EPL20498	CE41VX		31
9/08/2018	Insitu		VENM	85608.14.R.045	TSE_51	Elford Group	EPL20498	CJ80RT		31
13/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CQ92BS		31
13/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CM27TM		33.4
13/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CM27TM		33
13/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CK79JS		33
13/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CK79JS		33
13/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CQ92BS		31
13/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CQ92BS		31
13/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CH44BA		31
13/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CH44BA		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	ACP404		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	ACP404		31
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CH44BA		32.1
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CH44BA		31.8
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CH44BA		31.8
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CP70NT		31
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CP70NT		31
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CF28YF		29.56
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	DCT525		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CG57XH		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CG57XH		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CE70YV		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	413XEB		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	413XEB		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CK79JS		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CK79JS		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	GLK943		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	GLK943		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	ERC609		34.3
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	ERC609		30.9
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CO40WS		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CO40WS		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	ERC000		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CJ80RT		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	STH503		37
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	STH503		37
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CE96QM		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CE96QM		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	BQ60RM		34
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	BQ60RM		31.4
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CM27TM		31
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CN00TX		37
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	SIK908		33.55
19/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	SIK908		32.5
21/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CK79JS		31
21/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	GLK943		31
21/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	GLK943		31
24/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	XN19AV		31
24/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CH44BA		31
24/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CK19CW		31
24/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CE70YV		31
24/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	413XEB		31
24/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	GLK943		31
24/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	CQ24HI		33
24/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	ERC000		31
24/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	SB04NW		31
27/09/2018	Insitu		VENM	85608.14.R.060	TSE_51	Elford Group	EPL20498	413-XEB		31
8/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		31
8/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ62AI		31
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CE41VX		29.1
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	ISX500		29.9
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		31
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		31
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CL52FZ		31
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CL52FZ		31
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CL52FZ		31
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	ERC609		37
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	ERC609		37
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	ERC609		37
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CQ24HI		33
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CQ24HI		33
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CQ24HI		33

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CQ62Ai		31
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CQ62Ai		31
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CQ62Ai		31
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	SB04NW		31
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	SB04NW		31
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	SB04NW		31
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
9/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CP76NX		29.46
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CP76NX		33
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CP76NX		33
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CL52FZ		31
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CL52FZ		31
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	CL52FZ		31
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	SB04NW		30.2
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	SB04NW		30.2
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	SB04NW		30.2
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	XN19AV		31
9/10/2018	Insitu		VENM	85608.14.R.059	TSE_51	Elford Group	EPL20498	XN19AV		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CL52FZ		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CL52FZ		31
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_51	Elford Group	EPL20498	CG57XH		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG57XH		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CK19CW		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CE70YV		31.1
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CE70YV		31.1
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GLK943		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GLK943		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC609		37
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CO27NL		31.5
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CO27NL		31.5
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CB12WM		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ24HI		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG39BO		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG39BO		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG39BO		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CM41DV		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CM41DV		30.7
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CM41DV		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ62AI		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CO40WS		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CO40WS		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CO40WS		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CJ80RT		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CJ80RT		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC357		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC357		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	STH503		37
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_51	Elford Group	EPL20498	CM27TM		33
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_51	Elford Group	EPL20498	CM27TM		33
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_51	Elford Group	EPL20498	CN28HM		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
31/10/2018	Insitu		VENM	85608.14.R.034	TSE_51	Elford Group	EPL20498	CN28HM		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	BQ60RM		30.92
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	PM0303		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	PM0303		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CK68MN		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC604		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC604		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	SB04NW		31.2
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	SB04NW		30.9
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	SB04NW		31.5
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	413XEB		33
31/10/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	413XEB		33
1/11/2018	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	BQ60RM		31.02
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CPYDAT		38.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN14AV		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN14AV		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN14AV		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		38.2
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		37.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		37.2
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		38.2
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	LHE002		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	LHE002		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	LHE002		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	LHE002		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	STT409		38.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	STT409		39.25
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	STT409		39.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG14PH		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG14PH		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CN33MO		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ44DM		38
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ44DM		38
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ44DM		38
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ44DM		38
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN69AY		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN69AY		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN69AY		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN69AY		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GLK943		31.6
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GLK943		31.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GLK943		31.6
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GHO511		29.3
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN35CQ		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN35CQ		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN35CQ		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GHO537		30.7
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN14EA		38.2
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN14EA		38.3
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN14EA		38.3
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN28DU		37.8
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN28DU		38.6
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN28DU		38.6
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CN00UE		38.85
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CN00UE		38.95
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CN00UE		38.85
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GHO543		29.8
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GHO543		29.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GHO543		29.6
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ24HI		34
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GHO555		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GHO555		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GHO555		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CF40TF		32
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CF40TF		32
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CF40TF		32
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP76NX		31.7
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP76NX		31.5
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP76NX		31.7
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GLK943		31.6
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GLK943		31.5
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GLK943		31.6
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CC50SG		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CC50SG		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CC50SG		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN83GN		30.3
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN83GN		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN83GN		30.9
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN83GN		31.1
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP70NT		31.5
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP70NT		30.8

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP70NT		31.2
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC303		32.6
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC303		32.6
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC303		32.6
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC408		33
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC408		33
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC408		33
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN33AT		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN33AT		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN33AT		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP27BU		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP27BU		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP27BU		30
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP76NX		31.8
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP76NX		31.6
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP76NX		31.8
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		38.3
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		38.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		37.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG14PH		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG14PH		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG14PH		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CC50SG		29
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CC50SG		30
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CC50SG		30
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN83GN		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN83GN		30.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN83GN		30.9
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN83GN		31.1
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN35CQ		32
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN35CQ		31.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN35CQ		31.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC303		32.7
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC303		32.4
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC303		32.4
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	BQ10ZW		37.2
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	BQ10ZW		37
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	BQ10ZW		36.95
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC408		32.3
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC408		32.1
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC408		32

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN33AT		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN33AT		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN33AT		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP27BU		30
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP27BU		30
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP27BU		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	PM0303		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	PM0303		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	PM0303		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	KWTIPA		32
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	KWTIPA		32
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	KWTIPA		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	KWTIPA		31.65
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	BY79WF		37
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN19AV		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CK61PB		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CK61PB		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CK61PB		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		38.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		38.1
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		36.9
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI64FG		38
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	LHE002		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	LHE002		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	LHE002		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	STT409		37.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	STT409		38
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	STT409		37.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CD08MS		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CD08MS		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CD08MS		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN69AY		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN69AY		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN69AY		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN69AY		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI41WH		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN35CQ		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN35CQ		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	XN35CQ		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC357		31.2
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC357		32.2

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC303		32.6
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	ERC303		32.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	GHO543		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ24HI		34.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ24HI		33.4
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ24HI		33.4
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CQ24HI		32.6
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI81WY		31.95
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI81WY		31.15
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CI81WY		31.3
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CG74DS		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_51	Elford Group	EPL20498	CP60GI		31.5
11/07/2018			VENM	85608.14.R.020	TSE_53	Razorback Development Site	N/A	CG57XH		31
11/07/2018			VENM	85608.14.R.020	TSE_53	Razorback Development Site	N/A	CG57XH		31
11/07/2018			VENM	85608.14.R.020	TSE_53	Razorback Development Site	N/A	CE70YV		31
11/07/2018			VENM	85608.14.R.020	TSE_53	Razorback Development Site	N/A	CE70YV		31.1
11/07/2018			VENM	85608.14.R.020	TSE_53	Razorback Development Site	N/A	CF28YF		31
11/07/2018			VENM	85608.14.R.020	TSE_53	Razorback Development Site	N/A	CF28YF		31
11/07/2018			VENM	85608.14.R.020	TSE_53	Razorback Development Site	N/A	ERC604		31
11/07/2018			VENM	85608.14.R.020	TSE_53	Razorback Development Site	N/A	ERC604		31
11/07/2018			VENM	85608.14.R.020	TSE_53	Razorback Development Site	N/A	ERC604		31
11/07/2018			VENM	85608.14.R.012	TSE_53	Razorback Development Site	N/A	JC404		29.7
11/07/2018			VENM	85608.14.R.012	TSE_53	Razorback Development Site	N/A	JC404		29.2
11/07/2018			VENM	85608.14.R.012	TSE_53	Razorback Development Site	N/A	JC404		29.7
11/07/2018			VENM	85608.14.R.012	TSE_53	Razorback Development Site	N/A	CK29DN		31
11/07/2018			VENM	85608.14.R.012	TSE_53	Razorback Development Site	N/A	CK29DN		31
11/07/2018			VENM	85608.14.R.012	TSE_53	Razorback Development Site	N/A	CK29DN		31
11/07/2018			VENM	85608.14.R.012	TSE_53	Razorback Development Site	N/A	CF27YF		30.3
11/07/2018			VENM	85608.14.R.012	TSE_53	Razorback Development Site	N/A	CF27YF		30.4
10/07/2018			VENM	85608.14.R.012	TSE_60	Penrith Lakes Scheme	N/A	CH44BA		11
10/07/2018			VENM	85608.14.R.012	TSE_60	Penrith Lakes Scheme	N/A	CH44BA		11
10/07/2018			VENM	85608.14.R.012	TSE_60	Penrith Lakes Scheme	N/A	CH44BA		11
10/07/2018			VENM	85608.14.R.012	TSE_60	Penrith Lakes Scheme	N/A	CL78YT		31
10/07/2018			VENM	85608.14.R.012	TSE_60	Penrith Lakes Scheme	N/A	CL78YT		31
10/07/2018			VENM	85608.14.R.012	TSE_60	Penrith Lakes Scheme	N/A	CL78YT		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CH44BA		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
22/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		30
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	PM0303		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	ERC000		28.99
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	CJ80RT		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		29.71
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	CN28HM		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	ACP404		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31.52
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		33
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
22/10/2018	Insitu		VENM	85608.14.R.059	TSE_60	Penrith Lakes Scheme	N/A	STH505		36
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		27.73
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CG39BD		28.99
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CG39BD		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	PM0303		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	PM0303		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	PM0303		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31.32
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC604		30.92
23/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31.42
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC609		33
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC609		33
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC609		33
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		30.1
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		30.2
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	PM0303		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	PM0303		25.54
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	PM0303		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CN28HM		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CN28HM		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CN28HM		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ACP404		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ACP404		28.38
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ACP404		31
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31.12
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31.22
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31.42
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	STH505		38.1

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	STH505		38.1
24/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	STH505		37.3
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		30
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		30
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		30.1
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		30
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		30
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		30
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	PM0303		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	PM0303		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	PM0303		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	BQ60RM		33
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	BQ60RM		33
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	BQ60RM		33
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ACP404		31
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ACP404		31.5
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31.22
25/10/2018	Insitu		VENM	85608.14.R.060	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31.12
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CL80UL		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CL80UL		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CM41DV		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		33
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	BQ60RM(?)		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CF96XT		31
10/11/2018	Insitu		VENM	85608.14.R.023	TSE_60	Penrith Lakes Scheme	N/A	CF96XT		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CB12WM		31.9
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM41DV		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM41DV		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CD27RQ		37
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		33
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		31
14/11/2018	Insitu		VENM	85608.14.R.020	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		37
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
15/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CH44BA		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CH44BA		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CH44BA		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM97MZ		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM97MZ		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM97MZ		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		33
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		33
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		33
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN00TX		37
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN00TX		37
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN00TX		37
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CD27RQ		37
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CD27RQ		37
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CD27RQ		37
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		31
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		37
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		37
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH505		37
19/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH505		37
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL52FZ		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL52FZ		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP70NT		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH503		37
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH503		37
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH503		37
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	SB04NW		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	SB04NW		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	SB04NW		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP76NX		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH505		37
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH505		37
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH505		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		32
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		32
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		32
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH503		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH503		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH503		37

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH505		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STH505		37
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		37
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		37
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		27.4
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		28.52
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL80UL		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL80UL		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL80UL		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM27TM		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		37
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		37
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE70YV		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF96XT		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF96XT		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF96XT		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CC50SG		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CC50SG		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM97MZ		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM97MZ		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM97MZ		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CD27RQ		37.5
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CD27RQ		37.5
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CD27RQ		37.5
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	Ck00KW		33
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	Ck00KW		33
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	Ck00KW		33
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		30
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		33
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31.5
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK04KW		29.9
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK04KW		31.5
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK04KW		31.5
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN33AT		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN33AT		28.75
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN33AT		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		36.5
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		36.5
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		35
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		31.95
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		30
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		30
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31.8
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN33AT		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN33AT		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		36.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		35.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		36
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31.9

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		32
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31.8
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		30
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		30.1
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK68MN		30
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		30
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		30
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		30
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31.8
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31.7
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN33AT		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN33AT		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.2
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		37.8
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		37.5
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG39BO		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		31.5
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		31.5
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		32
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		30.9
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31.4
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		30.6
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31.9
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31.7
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		30.5
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		30.6
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO540		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CC50SG		29.8
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CC50SG		30.2
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CC50SG		30
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN33AT		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN33AT		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN33AT		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CE96QM		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.5
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.3
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.4
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		32
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		32
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		32
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31.7
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31.9
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.5
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.4
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.6
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN28HM		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN28HM		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31.7
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31.8
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31.6
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04NW		31.7

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31.8
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		30
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		30
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		30
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		29.3
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		29.3
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		29.6
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		30
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		30
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		30
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.5
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.1
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	01KURU		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP49YX		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP49YX		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP49YX		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF00ZN		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31.8
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		31.7
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CL04WN		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31.7
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC000		31.9
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO537		30
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO530		30.22

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		29.4
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		29.5
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		29.6
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO557		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	413XEB		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38.5
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		37.5
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		39
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		33
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK00KW		32.1
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN59ER		31.5
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38.25
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		29.3
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		28.6
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN35CQ		32
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN35CQ		32
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN35CQ		32
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI81WY		38.2
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI81WY		38
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI81WY		38.35
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF96XT		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF96XT		31
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.1
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.3
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		32.9
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38.2

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		37.7
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		37.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF40TF		32
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF40TF		32
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF40TF		32
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		29.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		28.7
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		29.3
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC604		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		29.3
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		29.6
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		29.4
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI81WY		38.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI81WY		38.2
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF96XT		31.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF96XT		31.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF96XT		31.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CPYDAT		38.2
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CPYDAT		38.2
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CPYDAT		38.4
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.4
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		32.2
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.1
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BY79WF		37.12
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BY79WF		37
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK61PB		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF40TF		32
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF40TF		32
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF40TF		32
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN14EA		38
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN14EA		38
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN14EA		38
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO555		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO555		31
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO555		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO559		32.05
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO559		32.15
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CPYDAT		38.2
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CPYDAT		38.2
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CPYDAT		38
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BY79WF		37
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BY79WF		37.05
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BY79WF		37
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	LHE002		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		29.3
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		28.6
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO511		30.5
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	MCS500		31.4
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	MCS500		31.2
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	MCS500		31.5
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN14EA		37
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN14EA		37
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN14EA		37
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN28DU		38.7
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN28DU		38.5
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN28DU		38.7
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO555		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO555		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO555		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHo559		32.05
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHo559		32.15
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHo559		32.25
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CPYDAT		38.3
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CPYDAT		38.4
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CPYDAT		38.4
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.43
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.2
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN14EA		37.2
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN33MO		30

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	DCT550		32
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	MCS500		31.2
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	MCS500		31.4
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN28DU		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN28DU		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN28DU		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO543		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO555		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO555		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO559		32.05
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GHO559		32.1
25/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF40TF		32
25/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF40TF		32
25/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CF40TF		32
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP76NX		31.3
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP76NX		31.7
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31.15
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		30
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CC50SG		29.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI41WH		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI41WH		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI41WH		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN83GN		30.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN83GN		31.1
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP70NT		31.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP70NT		31.25
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CB12WM		32.1
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CB12WM		32
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CB12WM		32.2
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BQ10ZW		37.15
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BQ10ZW		37.6
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BQ10ZW		37.35
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN48EU		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN48EU		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN48EU		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI81WY		31.8
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI81WY		31.75
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI81WY		31.9
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG74DS		31.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG74DS		31.55
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG74DS		32.4
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP27BU		30

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP27BU		30
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP27BU		30
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BI07UL		33.6
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	AMC909		38.25
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	AMC909		38.08
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	AMC909		37.453
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP76NX		31.9
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		30
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31.5
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31.45
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31.45
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK19CW		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CC50SG		30
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CC50SG		29
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CC50SG		30
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BY79WF		37
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BY79WF		36.9
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CJ80RT		30.7
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CJ80RT		30.85
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CJ80RT		30.8
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		37.65
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		37.85
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38.8
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31.5
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31.5
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31.5
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN56GE		36
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN56GE		35.9
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN56GE		35.8
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG14PH		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN69AY		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN69AY		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN69AY		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31.8
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31.7
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31.5
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI41WH		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI41WH		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP70NT		31.25
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP70NT		37
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP70NT		36
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CB12WM		31.8
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CB12WM		32.9
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CB12WM		32.7
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		32.25
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		32.75

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		32.3
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN35CQ		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN35CQ		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN35CQ		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BQ10ZW		37.8
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BQ10ZW		37.55
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BQ10ZW		37.4
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		33.4
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		33.6
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		33.8
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN48EU		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN48EU		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN48EU		31
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC408		31.7
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC408		32.8
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC408		32.3
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG74DS		30.3
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG74DS		31.9
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG74DS		31.35
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		32.8
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		33
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ISX500		33
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI64FG		38.4
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM44AT		38.1
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM44AT		37.15
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN04VC		38.05
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN04VC		37.8
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP27BU		29.9
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP27BU		29.9
27/03/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP27BU		29.9
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ62AI		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN63CX		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN63CX		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN63CX		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN00DI		31.2
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN00DI		31.35
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN00DI		31.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ44DM		38
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN69AY		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN69AY		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN69AY		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CG57XH		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.55
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN28DU		38.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN28DU		38
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN28DU		39.2
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CK79JS		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN47ZH		37.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN47ZH		37.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN47ZH		37.45
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN35CQ		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN35CQ		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN35CQ		31
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		33
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		33
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		33
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ACP404		32
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ACP404		31.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ACP404		32.05
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN48EU		33
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN48EU		33
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN48EU		33
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC408		32.1
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC408		32.2
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC408		32.1
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BZ94UH		30
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BZ94UH		31.3
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BZ94UH		30.85
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI64FG		38.3
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI64FG		38.2
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI64FG		38
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		33.3
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		33.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		33.4
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM44AT		37.4
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CM44AT		38.5
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN04VC		39.2
1/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN04VC		38.7
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN35CQ		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN00DI		31.6
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN00DI		29.9
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN00DI		29.3
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31.7
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31.6
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CI41WH		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.4
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.55
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.1
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CA61HW		38.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN47ZH		37.45
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN47ZH		37.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CN47ZH		37.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		32.2
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CO40WS		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		33.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		33.2
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CQ24HI		33.3
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38.7
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		31
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31.5
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31.5
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	CP60GI		31.5
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31.7
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31.6
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	GLK943		31.7
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.6
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.5
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.5
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	ERC357		32.5
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		37.9
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38.4
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	STT409		38.6
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	XN19AV		30
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.45
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.6
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_60	Penrith Lakes Scheme	N/A	BJ81CC		38.5
1/11/2018	Insitu		VENM	85608.14.R.062	TSE_62	Suez	EPL5065 & 12520	CH44BA		33.2
1/11/2018	Insitu		VENM	85608.14.R.062	TSE_62	Suez	EPL5065 & 12520	CH44BA		33.18
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_62	Suez	EPL5065 & 12520	CN28HM		28.18
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_62	Suez	EPL5065 & 12520	CN28HM		29.86
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_62	Suez	EPL5065 & 12520	CN28HM		32.56
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_62	Suez	EPL5065 & 12520	SB04NW		29.64
1/11/2018	Insitu		VENM	85608.14.R.034	TSE_62	Suez	EPL5065 & 12520	SB04NW		30.44
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_62	Suez	EPL5065 & 12520	CG57XH		31
17/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CP70NT		16.4
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		32.58
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC609		33.86

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CP70NT		30.42
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	SB40NW		28.56
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	SB40NW		32.2
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE70YV		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CK79JS		32.9
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CD13EW		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CD13EW		26.42
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CQ92BS		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CH44BA		33
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		29.28
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ACP404T		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ACP404T		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC000		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CO40WS		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CJ80RT		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		31
20/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		31
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		28.9
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		34.1
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE70YV		31
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CK79JS		28.16
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CK79JS		25.72
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CF28YF		30.12
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CF28YF		28
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC000		31
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC000		31
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		32.48
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		32.06
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		29.32
21/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		29.08
31/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CF28YF		31.45
31/08/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CF28YF		30.3
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		31.12
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		33
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		32.42
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CG57XH		24.52
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CG57XH		26.3
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CG57XH		27.96
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CP70NT		30.06
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CP70NT		31.4
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CP70NT		31.16
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CQ62AI		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CQ62AI		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CQ62AI		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE70YV		29.58
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE70YV		30.5
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE70YV		28.88
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	413XEB		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	413XEB		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	413XEB		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CK79JS		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CD13EW		29.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CD13EW		29.48
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CD13EW		26.06
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ35VR		31.3
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH505		34.68
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH505		38.1
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM41DV		28.16
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM41DV		29.22
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM41DV		27.48
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		32.44
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		30.9
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		32.18
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ISX500		30.5
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ISX500		29.7
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ISX500		32.16
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CQ24HI		31.36
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CQ24HI		32.66
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CQ24HI		33.46
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		31.98
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		32.24
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		30.9
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		33.78
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CK68MN		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CK68MN		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE41VX		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE41VX		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE41VX		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	PM0303		32.62
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	PM0303		28.42
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	PM0303		31.32
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC000		28.7
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC000		30.42
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC000		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		29
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		30.1
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		29.2
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CN28HM		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CN28HM		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CN28HM		31
3/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CN28HM		31
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		35.4
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		30.96
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		31
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CP70NT		31.6
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CP70NT		32.54
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE70YV		30.58
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE70YV		33.08
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	413XEB		31.44
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	413XEB		32.02
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CK79JS		33.86
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CK79JS		34.24
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CD13EW		26
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CD13EW		28.38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CD13EW		29.8
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CF28YF		31.02
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CF28YF		29.86
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CF28YF		31
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ35VR		30.62
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ35VR		27.58
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ35VR		30.54
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC609		35.7
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH505		38.2
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH505		38.2
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH505		36.4
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		30.58
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		28.92
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		31
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		31.56
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		29.76
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		28.46
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		31
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH503		37.26
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH503		37.04
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH503		36.78
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CN28HM		33.02
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CP60GI		31
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	SB04NW		28.7
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	SB04NW		27.94
4/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	SB04NW		26.88
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	UPG002		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	UPG002		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	413XEB		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	413XEB		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	413XEB		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		32.96
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		32.36
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC609		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC609		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC609		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC604		29.4
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC604		29.2
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC604		31.22
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ISX500		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ISX500		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ISX500		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		32.42
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		32.54
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	PM0303		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	PM0303		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	PM0303		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC000		31.52
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC000		30.6
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC000		31.9
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CJ80RT		29.66
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CJ80RT		30.52

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE96QM		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		30.3
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		31.8
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CN28HM		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CN28HM		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CP60GJ		31
13/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CP60GJ		31
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CG57XH		30.9
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CG57XH		29.36
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CK19CW		27.08
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CE70YV		30.78
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	413XEB		31.72
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	413XEB		32.22
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CK79JS		33
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		30.86
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	GLK943		32.64
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	AKY247		36.18
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	ERC000		30.32
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CJ80RT		31.06
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH503		34.86
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH503		35.9
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		31.84
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	BQ60RM		33.96
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		30.18
14/09/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	CM27TM		34.84
2/10/2018	Insitu		VENM	85608.14.R.060	TSE_74	Boral Emu Plains	EPL2062	STH505		37.12
1/11/2018	Insitu		VENM	85608.14.R.061	TSE_74	Boral Emu Plains	EPL2062	CN28HM		31.42
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK68MN		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK68MN		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK68MN		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK68MN		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK68MN		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK68MN		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK68MN		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK68MN		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK68MN		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CP49YX		33

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CP49YX		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CP49YX		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CP49YX		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CP49YX		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CH04JT		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CH04JT		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CH04JT		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CH04JT		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CH04JT		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CD08MS		39
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CD08MS		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CD08MS		39
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	BD90NL		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	BD90NL		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	BD90NL		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	BD90NL		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CI64FG		36.5
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CI64FG		36
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CP49YX		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CP49YX		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CP49YX		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CP49YX		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	GHO537		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	GHO537		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	GHO537		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	MCS500		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	MCS500		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	MCS500		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CN00UE		38.9
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CN00UE		38.85
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CN00UE		38.9
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CH04JT		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CH04JT		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CH04JT		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CH04JT		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	GHO530		32.9
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	GHO530		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	GHO530		33.4
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	BD90NL		33

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	BD90NL		33
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CK61PB		30
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_82	Barden Ridge Development	N/A	CG39BO		31
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CH44BA		33
2/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CH44BA		33
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	XN19AV		31
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CP70NT		31
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC609		37
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC609		37
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC609		37
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ24HI		33
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ24HI		33
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ62AI		31
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ62AI		31
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CE41VX		30
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CE41VX		29.5
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CP76NX		33
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CP76NX		33
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CP76NX		33
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ISX500		30.2
8/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ISX500		30.8
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	DCT550		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	DCT550		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	GLK943		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	GLK943		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	ERC609		37
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	ERC609		37
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CM41DV		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CM41DV		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CQ62AI		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CQ62AI		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	PM0303		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	PM0303		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CO40WS		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CO40WS		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CG74DS		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CG74DS		31
10/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CP76NX		37
11/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CP70Nt		33
11/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CQ62AI		31
11/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CQ62AI		31
11/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	SB04NW		30.2
11/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CG74DS		31
11/10/2018	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	CG74DS		31
15/10/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
15/10/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	DCT550		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	DCT550		31
15/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CJ80RT		30.45
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
16/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ACP404		31.2
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	GLK943		31
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	GLK943		28.6
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	GLK943		27.85
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC609		38.14
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC609		38.14
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CM41DV		30
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CM41DV		30
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ62AI		30
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ62AI		29.7
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ62AI		29.9
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	PM0303		30.25
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	PM0303		30.15
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	PM0303		31
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	BQ60RM		31.5
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	BQ60RM		32.2
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK79JS		33
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK79JS		33
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK79JS		33
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CG74DS		30.2
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CG74DS		27.06
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CG74DS		33
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK79Js		38
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK79Js		38.2
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK79Js		38.37
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CJ80RT		27.8
17/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	XN19AV		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	XN19AV		31
18/10/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
18/10/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
18/10/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CP70NT		29.4
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CP70NT		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	GLK943		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	GLK943		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	GLK943		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC609		38.22
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC609		37.82
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC609		37.82
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	STH505		34.86
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	STH505		36.3
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK68MN		29.65
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK68MN		29.75
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ62AI		28.8
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ62AI		29.25

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ62AI		30
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	PM0303		30.6
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	PM0303		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	PM0303		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CJ80RT		30.6
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CJ80RT		30.8
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CN28HM		27.94
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CC50SG		29.15
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CC50SG		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ACP404		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ACP404		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC604		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC604		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC604		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	SB04NW		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	SB04NW		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	SB04NW		31
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	SB04NW		29.7
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	SB04NW		26.38
18/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	SB04NW		30.2
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CP27BU		28.7
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	413XEB		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC609		37
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	STH505		37.4
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CQ62AI		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	PM0303		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CM27TM		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ACP404		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	ERC604		31
19/10/2018	Insitu		VENM	85608.14.R.059	TSE_87	Cawdor Farming Development	N/A	CK79JS		33
5/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		31.96
5/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		31.65
5/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		31.86
13/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.6
13/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.3
13/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.1
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.9
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
14/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
20/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32.1
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
21/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
22/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
23/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		31
26/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
27/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	UPG001		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	UPG001		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	UPG001		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	DCT525		33
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	DCT525		33
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	DCT525		33
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN12EB		19
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN12EB		19
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN12EB		19
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN12EB		19
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00TX		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE70YV		31.1
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE70YV		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE70YV		31.1
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE70YV		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN47CE		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN47CE		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN47CE		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN19AV		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN19AV		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CB12WM		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CB12WM		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM41DV		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM41DV		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CO40WS		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CO40WS		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		32
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		32
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		32.5
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		32.5
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STH503		37
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STH503		37
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ62AI		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ62AI		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC50SG		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC50SG		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	SB04NW		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	SB04NW		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL52FZ		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL52FZ		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STH505		38.5
1/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STH505		38.9
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
4/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI01UL		33.1
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI01UL		33.4
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI01UL		33.05
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		30
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31.4
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		32.5
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		32
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		30.9
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31
5/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.1
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.2
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.1
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		29.85

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		31.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		32
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		32.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		32
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		32.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		32
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC50SG		30
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC50SG		30.2
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC50SG		30.1
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		31.76
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		31.76
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		31.86
6/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.5
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		32
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31.1
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CO40WS		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		29
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN19AV		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN19AV		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.5
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM41DV		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM41DV		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM41DV		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC609		38
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC609		38
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.3
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.5
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.8
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		33
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		31.5
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		32
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04NW		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04NW		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04NW		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC14PH		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC14PH		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC14PH		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC14PH		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.1
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.1
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.3
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC50SG		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC50SG		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC50SG		31
10/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC50SG		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		34
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.5
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		32

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK00KW		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.9
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		32
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		27.26
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.3
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
11/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.2
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39.3
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.3
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	DCT550		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	01KURU		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN41FO		16.2
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN41FO		16.2
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN41FO		16.2
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN 79EW		17.5
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN 79EW		17.5
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN 79EW		17.5
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN 79EW		17.5
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.9
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		30.85
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.82
12/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.5
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.25
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.45
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.4
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		36.5
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH40VI		15
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	DCT550		32
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	DCT550		32
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	01KURU		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	01KURU		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN41FO		16.2
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN41FO		16.2
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN79EW		17.5
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN79EW		17.4
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.15
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.7
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.8
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		32
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHo530		31.52
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHo530		31.32
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHo530		30.85
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.6
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.6
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.1

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	01KURU		31
13/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	01KURU		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.55
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.8
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.3
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK27XS		33.01
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK27XS		33.05
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK27XS		33.07
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH75WE		15
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH75WE		15
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH75WE		15
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH40VI		15
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH40VI		15
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		30
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		30
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	DCT550		32
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	DCT550		32
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	DCT550		32
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		30.3
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN41FO		16.2
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN41FO		16.2
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN79EW		17.3
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN79EW		17.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		37
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		37
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		30.02
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.02
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		30.82
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.2
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.5
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
14/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.5
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH40VI		15
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH40VI		15
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN85AU		30
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN85AU		30
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		32.1
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		32.2
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		30
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		30
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		36
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		37
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		32
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.82
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.62
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.6
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.6
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN47CE		17
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN47CE		17
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
15/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STH505		37
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.45
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.25
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.35
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39.5
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH75WE		15
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH75WE		15
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH75WE		15
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH40VI		15
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH40VI		15
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH40VI		15.5
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP00RQ		12
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP00RQ		12
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP00RQ		11.95
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		30
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		30.3
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		30
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.4
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.4
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.9
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.3
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		32.12
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.32
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		30.82
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		30
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN47CE		15
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN47CE		15
17/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN47CE		15
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.3
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.45
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.55
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		30.09
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		30.2
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		30.3
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN77QU		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN77QU		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN77QU		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.6
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.4
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.2
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.7
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		32.073
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.67
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.72
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
18/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.55
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.25
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.35
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		36.5
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39.5
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		30.1
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		30.1
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		30.4
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.4
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.4
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.6
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.9
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.1
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.3
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.8
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.32
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		32.37
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.97
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CO40WS		31.2
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN77QU		31
19/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN77QU		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.55
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.4
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.2
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		36.5
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		32
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		32
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		32
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN77QU		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN77QU		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00Zn		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00Zn		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00Zn		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.3
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.5
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.5
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.8
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		32.02
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.92
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		32.27
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHo537		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
20/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.55
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG39BO		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK68MN		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO4JT		32.4
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		32.12
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO540		31.2
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.7
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		28.5
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN77QU		31
21/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		33
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		33
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
27/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP70NT		37
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN28HM		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
28/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	413XEB		31
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31.3
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		30.8
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31.2
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31.1
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM97MZ		31.2

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.5
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.8
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.5
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.6
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
29/12/2018	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC604		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.55
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.35
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.2
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33.45
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39.5
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		38.5
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		38
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		38
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		38.5
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		37.5
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		37.9
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.1
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.2
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.5
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.4
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ'		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.6
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.8
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		29.3
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		27.9
8/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		29
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39.5
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37.05
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37.1
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.3
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.2
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.7
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.5
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.6
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.4
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32.1
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.9
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31.6

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31.8
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		30.9
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31.989
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31.71
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31.489
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.8
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.47
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.42
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.87
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.5
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.3
9/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.4
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRIO36		38.6
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRIO36		38.4
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRIO36		38.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRIO36		38.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRIO15		37.3
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRIO15		37.3
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRIO15		37.2
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRIO15		37.2
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH16VI		37

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH16VI		37.05
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH16VI		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH16VI		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH35NK		37.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH35NK		37.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH35NK		37.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH35NK		37.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		32
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.8
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		32.1
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.4
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.7
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.3
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.35
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.1
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		30.9
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN14EA		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN14EA		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN14EA		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN28DU		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN28DU		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN28DU		37
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO430		31.52
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO430		32.22
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO430		31.67
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.5
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		28.9
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		29.4
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		27.7
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		29
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		28.7
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
10/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI036		38.5
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI036		38.5
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI036		38.5
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI015		37.1
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI015		36.9
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI015		37.2
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH16VI		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH16VI		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH16VI		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		38
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.3
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.5
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.23
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32.5
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN14EA		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN14EA		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN14EA		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH35NL		37
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.3
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.35
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.4
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.3
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH14PH		31
11/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH14PH		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39.5
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI036		38.8
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI036		38.8
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI015		37.1
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI015		37
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BN27SC		38.9
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BN27SC		39.5
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK30XE		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		38
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		38
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38.2
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38.5
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38.46
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH35NK		37.4
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH35NK		37.3
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.6
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.8
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CHO4JT		32.4
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CHO4JT		32.6
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.4
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.35
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.3
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		29.1
14/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		28.7
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39.5
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		37.5
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		37.2
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
15/01/2019	Insitu		VENM	85608.14.R.063	TSE_87	Cawdor Farming Development	N/A	GLK944		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		30
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.1
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
15/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39.5
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.34
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.2
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.2
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.6
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		28.3
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		28.6

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		28.9
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37
16/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.66
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.2
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.7
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	GHO511		31
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31.715
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.5
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	GHO557		27.6
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
17/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
18/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CM97MZ		33
18/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.7
18/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
18/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.6
18/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
18/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
18/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
18/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
18/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CK79JS		37
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	ERC000		31.6
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.2

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CH04JT		29.87
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.2
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	GHO557		30
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	GHO557		30
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	GHO557		30
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
18/01/2019	Insitu		VENM	85608.14.R.069	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CM41DV		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CM41DV		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CM97MZ		32.5
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CM97MZ		32.5
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CM97MZ		32.5
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CM97MZ		32.5
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CG57XH		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CG57XH		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.1
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CI64FG		37.5
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO537		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.1
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CH04JT		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CH04JT		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO530		31.9
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.1
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.3
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CF40TF		32
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CF40TF		32
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
19/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	STT409		39.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CI64FG		38
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CI64FG		37.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CI64FG		37.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	PM0303		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	PM0303		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	LHE002		30
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	LHE002		30
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	LHE002		30
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	ERC357		31.1
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.6
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.2
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.4
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO511		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO511		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO511		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GLK943		31.3
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CQ44DM		37.98
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CQ44DM		37.96
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO537		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO537		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO537		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	TSG004		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	TSG004		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	TSG004		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	ERC000		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	ERC000		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	ERC000		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.2
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.2
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO530		32.02
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO530		31.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	GHO530		31.9
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.1
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.25
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.2
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	ERC604		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
21/01/2019	Insitu		VENM	85608.14.R.070	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI035		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI035		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI035		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI035		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI034		39.8
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI034		39.7
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI034		39.4
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI034		39.8
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH16VI		37
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH16VI		37
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH16VI		37
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BN27SC		39
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BN27SC		39.2
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BN27SC		38.62
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BT62KK		39
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BT62KK		38.8
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BT62KK		38.9
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI027		38.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI027		38.3
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	TRI027		38.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64RQ		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64RQ		37.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64RQ		37.8
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		30
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		30
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		30
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		30
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.1
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.1
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC609		31.32
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC609		31.22
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC609		31.42
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.6
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.8
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.4
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.6
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.4
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.47
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.52
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO530		31.52
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		32
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.25
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.3
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
22/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		39.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP27BU		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP76NX		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG57XH		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG57XH		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG57XH		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		39.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		39.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		39.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		37.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		37.1
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ25HL		31.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ25HL		31.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ25HL		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.6
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32.2
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.35
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.65
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.2
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.1
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.2
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00UE		38.45
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00UE		38.75
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00UE		38.6
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.3
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.6
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		32.2
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN48EU		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN48EU		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN48EU		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO559		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CC50SG		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH44BA		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN19AV		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.25
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.3
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.35
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	MUDDOG		37.5
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BW07DN		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00UE		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00UE		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN00UE		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
23/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP27BU		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP27BU		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP76NX		31.5
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG57XH		30
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG57XH		30
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG57XH		30
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP49YX		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31.5
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.2
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.6
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		32.1
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK04KW		33
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.5
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31.8
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC609		38
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.1
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE41VX		30
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE41VX		30
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE41VX		30
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE41VX		30
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN48EU		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN48EU		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM27TM		33
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM27TM		33
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CM27TM		33
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN19AV		30
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN19AV		30
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.15
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.2
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.25
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		32.1
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.5
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		39.2
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.5
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP76NX		31
24/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CP60GI		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CD27RQ		37.5
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG57XH		30
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG57XH		30
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG57XH		30
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK61PB		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ25HL		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ25HL		32
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	PM0303		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN59ER		32
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	LHE002		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		32
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF00ZN		31.5
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.5
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.6
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC357		31.8
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		30.9
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31.6
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO511		31.8
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.6
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.5
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.4
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ44DM		38
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO537		30
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32.1
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CL04WN		32.2
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK79JS		38
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.2
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.1
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN32AY		31.1
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE41VX		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE41VX		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE41VX		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.6
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.9
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC000		31.7
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CH04JT		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO555		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		30
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO543		30
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BD90NL		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		29.3
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		28.7
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GHO557		29.2
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN33AT		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		39
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.5
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		30
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		30
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CE96QM		30
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	BI07UL		33
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	AMC909		37.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	AMC909		38.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	AMC909		38.9
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CK19CW		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		30.8
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		30.9
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CJ80RT		30.95
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.2
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.85
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		38
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	STT409		37.95
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN56GE		35.8

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN56GE		35.9
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN56GE		35.9
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CG14PH		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		30
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		30
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CN33MO		30
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	KNW904		29.8
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	KNW904		30.1
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	KNW904		29.55
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF40TF		32
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF40TF		32
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF40TF		32
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN69AY		31.3
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN69AY		31.4
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN69AY		31.6
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		32
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		31.7
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	GLK943		30.6
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	XN35CQ		31
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC609		37.4
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC609		37.65
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC609		37.85
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ24HI		33.6
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ24HI		33.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CQ24HI		33.1
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC408		32.1
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ERC408		32
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ISX500		33
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ISX500		33
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	ISX500		33
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CF96XT		31.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		37.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.5
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.45
26/03/2019	Insitu		VENM	85608.14.R.062	TSE_87	Cawdor Farming Development	N/A	CI64FG		38.5
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CB12WM		31
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CB12WM		31
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CB12WM		31
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		31
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		31
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		31
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		30
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		30
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		30
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK68MN		31
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK68MN		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK68MN		31
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
17/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN19AV		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN19AV		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH44BA		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH44BA		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP27BU		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP27BU		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CB12WM		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CB12WM		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CB12WM		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC357		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC357		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CJ80RT		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CJ80RT		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CJ80RT		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK68MN		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK68MN		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK68MN		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC609		37
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC609		37
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	01KURU		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	01KURU		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	01KURU		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG57XH		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG57XH		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG57XH		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC604		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC604		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	SB04NW		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	SB04NW		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	SB04NW		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP70NT		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP70NT		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE96QM		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE96QM		31
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP70NT		37
24/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP70NT		37
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH40VI		17

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH40VI		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH40VI		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH40VI		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN41FO		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN41FO		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN41FO		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN41FO		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN79EW		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN79EW		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN79EW		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN79EW		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN27AS		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN27AS		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN27AS		17
30/11/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN27AS		17
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		38
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		38
7/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		38
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CB12WM		31.2
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CB12WM		31.7
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CB12WM		32
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.1
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		31.9
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		31.7
8/12/2018	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP70NT		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		33
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		33
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		33
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		33
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		33

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		38
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		38
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		38
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		38
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		38
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.1
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.2
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.5
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.7
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CC50SG		30
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CC50SG		33
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CC50SG		33
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CC50SG		33
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.3
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.2
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.4
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.1
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
3/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CM41DV		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ISX500		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31.5
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31.6
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31.4
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31.5
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31.4
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		37
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		37
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		37
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		37
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK79JS		37
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.4
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.4
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.2
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.4
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.1
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ62AI		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP70NT		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP70NT		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP70NT		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP70NT		30
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.2
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.3
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.15
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.3
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.25
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
4/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	413XEB		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BI07UL		33.45
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BI07UL		33.5
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BI07UL		33.35
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	DCT550		32.4
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	DCT550		32.2
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	DCT550		33

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	STT409		37.5
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	STT409		38.5
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	STT409		38
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	STT409		38.5
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP60GI		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP60GI		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP60GI		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG39BO		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		32
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN59ER		32
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN59ER		32
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CF00ZN		32
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CF00ZN		32
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC357		31.1
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC357		31.5
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC357		31.7
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CL04WN		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CL04WN		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CL04WN		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO511		31.3
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO511		31.1
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31.4
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GLK943		31.3
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CN33MO		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CN33MO		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK19CW		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK19CW		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CK19CW		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN35CQ		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN35CQ		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ44DM		38
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ44DM		38
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ44DM		38
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	Ck86MN		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	Ck86MN		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	Ck86MN		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO559		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO559		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CE41VX		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC000		31.7
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC000		31.9
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	ERC000		31.9
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO530		32.07
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO530		31.72
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO543		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO543		31
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO557		29.2

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO557		29.3
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	GHO557		28.6
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	STH505		39.4
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	STH505		39.4
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	STH505		39.3
7/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG14PH		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		31
25/01/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CP49YX		31
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.4
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.35
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	BD90NL		32.5
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN18EQ		31
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN18EQ		31
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN18EQ		31
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CI64FG		36
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CI64FG		38.5
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CI64FG		38.2
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	LHE002		30
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	LHE002		30
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CN33MO		30
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CN33MO		30
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CN33MO		30
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	STT409		38
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	STT409		38
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	STT409		38
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN56GE		36.2
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN56GE		35.8
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN56GE		36.1
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	KNW904		29.9
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	KNW904		30.1
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	KNW904		29.8
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG24GO		38.5
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG24GO		38.9
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CG24GO		39
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN35CQ		31
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN35CQ		31
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN35CQ		31
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN14EA		38
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN14EA		38
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	XN14EA		38
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.3
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.4
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CH04JT		32.2
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ24HI		33.4
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ24HI		34.1
23/02/2019	Insitu		VENM	85608.14.R.062	TSE_95	Crossroads Development	N/A	CQ24HI		35.1
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ62AI		29.75
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ62AI		30.35
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ62AI		29.75
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN19AV		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN19AV		31
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN19AV		31
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		31
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		31
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		31
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	STT409		37.85
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	STT409		38
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	STT409		38.25
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	STT409		37.9
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31.5
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31.5
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31.5
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN56GE		35.8
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN56GE		35.9
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN56GE		36
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN56GE		36
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG14PH		31
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG14PH		31
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN28DU		38.1
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN28DU		38.2
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BQ10ZW		37.3
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BQ10ZW		37.15
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BQ10ZW		37.25
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN48EU		33
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN48EU		33
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN48EU		33
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN48EU		33
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		32
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		31.8
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		32.1
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		30.35
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.3
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.1
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.1
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ24HI		33.5
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ24HI		33.3
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ24HI		33.5
2/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ24HI		33.4
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ62AI		31.6
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ62AI		30
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN19AV		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN19AV		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	STT409		38.45
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN56GE		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG14PH		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG14PH		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG14PH		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN69AY		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN28DU		39
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN48EU		33
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN48EU		33
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		31.8
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.3
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.1
3/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ24HI		33.1
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG39BO		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG39BO		30.9
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG39BO		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ62AI		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ62AI		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ62AI		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN63CX		33
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN63CX		33
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN63CX		33
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		30
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		30
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		30
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG14PH		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG14PH		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN69AY		31.6
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN69AY		31.6
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN69AY		31.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG57XH		31.1
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG57XH		30.9
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG57XH		31.09
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CA61HW		38.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BP26GS		38
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BP26GS		38
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CK79JS		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CK79JS		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CK79JS		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CL22KM		38.15
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CL22KM		38.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CL22KM		38.6
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CN04VC		38.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CN04VC		38
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BT06JO		38.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BT06JO		37.65
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BT06JO		38.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.5
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.3
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.2
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		30
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		30.4
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		30.25
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
8/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG29BO		31
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG29BO		30.9
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG29BO		31
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CN00DI		30.65
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CN00DI		30.85
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CN00DI		31.2
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG57XH		30
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG57XH		30
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG57XH		30
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CK79JS		32.4
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CK79JS		33.5
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CK79JS		32.5
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.3
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.4
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI64FG		38.2
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31
10/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	MCS500		30.7
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	MCS500		30.9
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	MCS500		30.8
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG39BO		31
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG39BO		30.9
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG39BO		30
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN63CX		32
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN63CX		31.9
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN63CX		32
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		29.3
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		30.7
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN18EQ		30.7
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31.5
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP60GI		31.5
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ44DM		38
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	GLK943		31.7
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	GLK943		31.5
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	GLK943		31.6
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG57XH		30
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG57XH		30
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG57XH		30
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI41WH		31
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI41WH		31
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI41WH		31
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CN47ZH		37.5
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CN47ZH		37.6
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CN47ZH		37.4
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	ERC357		32.5
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	ERC357		32.5
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	ERC357		32.5
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		32
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31.5
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN35CQ		31.5
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ24HI		33.8
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ24HI		33.7
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CQ24HI		33.4
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		32
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		32.35
12/04/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BZ94UH		31.85
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG39BO		31
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG39BO		30.85
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG39BO		30.8
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN19AV		31
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN19AV		31
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN19AV		31
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CC50SG		30
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CC50SG		29.8
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CC50SG		29.8
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BJ81CC		38.3
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BJ81CC		38.1
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	BJ81CC		38.5
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN28DU		38.2
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN28DU		38.1
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN28DU		38.3
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CM41DV		30
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI81WY		32.5
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI81WY		32.4
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CI81WY		32.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG74DS		31.5
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CG74DS		31.5
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	CP27BU		30
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN14EA		31
1/05/2019	Insitu		VENM	85608.14.R.062	TSE_98	BT Civil Development	N/A	XN14EA		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CD08MS		39
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		32
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		32
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		32
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		32
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.4
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.45
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.35
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN18EQ		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN18EQ		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN18EQ		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CI64FG		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CI64FG		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CI64FG		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		39
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		39
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		39
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		39
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG24GO		39.3
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG24GO		38.3
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG24GO		39.3
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG24GO		39.2
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP49YX		33

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP49YX		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP49YX		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG39BO		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG39BO		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG39BO		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG39BO		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MCS500		31.4
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MCS500		31.5
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MCS500		31.4
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MCS500		31.5
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH04JT		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH04JT		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH04JT		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH04JT		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO543		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO543		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO543		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO543		30
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		33
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ACP404		31.52
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ACP404		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ACP404		31.7
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ACP404		32
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH44BA		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH44BA		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH44BA		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH44BA		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO537		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO537		31
26/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO537		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CD08MS		39
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CD08MS		38.5
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CD08MS		39
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CD08MS		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		31.5
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		31.5
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		31.5
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		32
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG24GO		38.9
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG24GO		38.6
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG24GO		38.8
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ610		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ610		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ610		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ610		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		32.185
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		32.23
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		32.103
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		33
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MCS500		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MCS500		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MCS500		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO543		29.2
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO543		29.7
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO543		29.4
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH44BA		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH44BA		31
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		32
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		32

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		32
27/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38.3
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		37.85
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		37.6
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		31.5
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		31.5
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		31.5
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		31.5
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CI64FG		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		37.5
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		39.5
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		39
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		38.7
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		30.2
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		30.7
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		30.4
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MAC364		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MAC364		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MAC364		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ610		31.9
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ610		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ610		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ610		31.95
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ44DM		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ44DM		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ44DM		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN69AY		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN69AY		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN69AY		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN69AY		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO511		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO511		30

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO511		30
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		31
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO559		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO559		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO559		33
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		34.6
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		34.9
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		35.1
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		35.2
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		32
28/02/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		32
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CD08MS		39
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CD08MS		39
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38.35
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP60GI		31.5
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CI64FG		37.1
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		30
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.7
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.6
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	STT409		38
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	KNW904		30
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ610		32
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ610		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	SAJ200		32.13
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ44DM		38
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ44DM		38
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN69AY		30
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN69AY		30
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO511		28.6
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO511		29.3
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP49YX		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP49YX		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN35CQ		32
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MCS500		31.4
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	MCS500		31.5
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN14EA		38
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN00UE		38.9
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN00UE		38.95
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH04JT		32.2
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CH04JT		32.3
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		37
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		37
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO530		32.2
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO530		33.1
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CF40TF		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CG14PH		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO537		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO537		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO557		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO559		31
1/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO559		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38.6
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CPYDAT		38.3
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CN33MO		30
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO511		31
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO511		28.6
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO511		30.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO537		30.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO537		30.4
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GHO537		29.6
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		33.5
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		33.19
4/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		33.13
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ISX500		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ISX500		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ISX500		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ISX500		30
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		33.7
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		33.5
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		32.2
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		35.1
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		33
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		33
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		33
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		33
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		33.4
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		33.3
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		32.9

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
5/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		33.1
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	LHE002		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.7
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.6
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ISX500		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ISX500		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ISX500		31
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		35.2
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		37.9
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		32.85
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CQ24HI		33.5
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		33
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		33
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		33
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		33
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		32.1
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		33
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		32.7
6/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		33.1
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.25
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.35
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.4
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.4
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.7
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.6
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.4
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.6
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38.7
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN28DU		38.7
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	ERC303		32.5
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		32.21
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		32
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		32
7/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		33
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.4
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.4
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.35
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.7
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.6
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.5
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	GLK943		31.7
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CI41WH		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CI41WH		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CI41WH		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CE41VX		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CE41VX		30

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CE41VX		30
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		31
8/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CB12WM		32.7
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.35
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.4
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	BD90NL		32.3
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CK61PB		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP49YX		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP49YX		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CP49YX		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CE41VX		30
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CE41VX		30
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	CE41VX		30
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		31
11/03/2019	Insitu		VENM	85608.14.R.062	TSE_99	BT Civil Development	N/A	XN48EU		31

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
9/07/2018	Insitu		Concrete	Pre-Classified	TSE_14	MET Recycling	EPL20948	CO23SM	10063253	8.78
24/03/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CK10JP	WE495809	8.36
24/03/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CG02GG	WE495858	8.58
24/03/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CG02GG	WE495810	8.92
28/03/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	BY34SP	WE496482	8.08
29/03/2018	Stockpile	WLSP2	Concrete	Pre-Classified	TSE_17	Breen	EPL4608	JMV355	WE496707	12.18
4/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE497324	12.44
5/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE497410	8.66
5/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE497483	9.66
5/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE497565	9.9
5/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CH40VI	WE497411	8.98
5/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CH40VI	WE497480	10.9
5/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CH40VI	WE497564	12.96
6/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE497590	13.9
6/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE497732	11.7
6/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE497658	8.4
6/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE497782	8.66
7/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE497914	12.94
7/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE497835	10.46
7/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CH40VI	WE497915	14.38
7/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CH40VI	WE497838	14.3
17/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WE499609	9.38
17/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WE499695	7.52
17/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WE499786	8.82
17/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	BY34SP	WE499602	5.2
17/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CM33YD	WE499694	7.34
17/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CM33YD	WE499601	5.42
18/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE50050	11.22
18/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE499929	10.48
18/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE499844	7.84
19/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE500218	12.12
19/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WE500114	11.82
20/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	BL09ZR	WE500552	9.52
20/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	BL09ZR	WE500406	3.52
23/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WE500812	9.02
23/04/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WE500895	9.98
12/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WG1724	13.34
12/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WG1694	13.44
21/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	C023SM	WG3314	13.48
21/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	C023SM	WG3429	13.58
22/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG6355	14.66
22/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG3709	10.4
23/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG4029	11.1
28/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG4968	11.76
28/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG4883	11.24
29/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CK19CW	WG5233	22.8
29/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WG5149	9.1
29/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CP60GI	WF2308	19.68
30/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WG5385	5.86
30/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WG5494	8.56
30/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE50DC	WG5380	10.22
30/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE50DC	WG5500	10.36

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
31/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO50DC	WG5777	8.84
31/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO50DC	WG5729	8.44
31/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WG5726	10.72
31/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG5698	11.74
31/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	C050DC	WG5770	9.76
31/05/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO50DC	WG5725	10.98
1/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WG5824	8.48
1/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WG5964	9.3
1/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WG5895	6.86
1/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WG5984	9.98
1/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WG5906	11.38
1/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WG5846	9.26
1/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO50DC	WG5985	9.42
1/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO50DC	WG5847	9.6
1/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO50DC	WG5908	9.9
4/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WG6162	7.64
4/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WG6240	9.68
4/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WG6303	9.32
4/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG6355	14.66
4/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG6251	13.36
4/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG6173	13.16
5/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG6544	15.14
7/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG6907	11.38
26/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG9792	12.58
27/06/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG10115	10.82
5/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CE65DI	WG11591	8.54
6/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	10063154	10.96
6/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	10063170	14.02
9/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG12040	9.1
10/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG12392	5.96
10/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG12307	8.98
10/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG12234	7.3
12/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG12766	8.92
12/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG12868	10.08
17/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	C023SM	WG13645	10.6
18/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	C023SM	WG13772	6.56
18/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	C023SM	WG13845	7.48
19/07/2018	Stockpile	WLSP24	Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG14008	9.92
19/07/2018	Stockpile	WLSP24	Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG13928	7.08
19/07/2018	Stockpile	WLSP24	Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG14106	10.18
20/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG14185	8.98
20/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG14278	11.92
21/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI92CF	WG14469	8.04
23/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG14690	7.14
24/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CO23SM	WG14812	4.86
27/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	XN19AV	WF6458	14.54
27/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	XN19AV	WF6490	15.44
27/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	XN19AV	WF6527	13.1
27/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WG15515	4.64
27/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WG15596	5.4
27/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	WG15649	5.3
27/07/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CP27BU	WG15503	12.74

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
9/08/2018			Concrete	Pre-Classified	TSE_17	Breen	EPL4608	CI93GR	229930	11.38
7/06/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	GLK943	664780	25.96
8/06/2018			Building and Demolition Waste	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	BT02YL	664884	12.1
10/07/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	GLK943	667802	15.1
25/07/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	XN19A	669463	10.24
30/07/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	CO23SM	10064925	10
30/07/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	CO23SM	229291	10.1
30/07/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	CO23SM	229314	11.32
9/08/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	CI93GR	WG17714	12.04
16/08/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	CO50DC	230225	9.1
16/08/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	CO50DC	230235	10.42
16/08/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	CO23SM	230250	9.68
18/10/2018			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	CK19CW	678876	27
22/05/2019			Concrete	Pre-Classified	TSE_27	Boral Recycling Pty Ltd	EPL11815	XN83GN	700133	25.1
21/12/2017			Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	279427	11.3
21/12/2017			Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	279436	11.3
21/12/2017	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	218846	10.52
21/12/2017	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	218814	10.82
21/12/2017	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	218821	11.24
21/12/2017	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	218802	10.74
10/01/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT625	219016	11.7
10/01/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT625	219031	12.7
10/01/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT625	219045	12.1
10/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	219014	11.04
10/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	219030	10.86
10/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	219044	11.54
11/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT625	219076	12.2
11/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT625	219097	11.14
11/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	219088	11.56
16/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	219369	10.92
16/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	219379	10.88
16/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	219390	11.36
16/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	219406	11.36
23/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT619	219853	9.92
23/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT619	219871	10.04
23/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT619	219894	11.18
23/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT619	219913	7.36
23/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT619	219944	7.36
29/01/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CH14UP	220111	11.18
29/01/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CH14UP	220120	16.3
29/01/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CH14UP	220130	17.06
29/01/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CH14UP	220141	16.74
29/01/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CH14UP	220150	18
29/01/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CH14UP	220162	6.98
29/01/2018	Stockpile	B/C	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	220115	10
29/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	220123	10.1
29/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	220134	11.54
29/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	220145	11.24
29/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT630	220153	11.46
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220336	10.66
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220322	10
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220311	10.54

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220294	10
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220354	10.4
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220283	10
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220310	9.9
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220292	10.02
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220280	8.38
31/01/2018	In situ	N/A	Asphalt	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220317	13.14
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220333	12.62
31/01/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220352	13.1
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220371	9.78
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220384	10.74
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220410	9.32
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220425	9.52
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF47XQ	220354	9.34
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220365	9.96
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220380	10.6
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220406	9.56
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220441	9.48
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220421	10.24
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP27BU	220363	9.46
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP27BU	220378	9.22
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP27BU	220404	8.82
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP27BU	220418	8.74
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CP27BU	220439	10.28
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220366	9.44
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220381	8.72
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220407	10.6
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220422	13.56
1/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220440	10.62
2/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220516	8.66
3/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220533	10.68
3/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220543	12.7
3/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI27DT	220544	7.32
3/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI27DT	220536	8.52
6/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	13R39KC	220659	9.34
6/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	13R39KC	220670	8.92
6/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	13R39KC	220723	9.78
6/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	13R39KC	220708	9.2
6/02/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	13R39KC	220735	8.62
7/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220779	14.2
7/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220825	8.52
7/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220763	9
7/02/2018	In situ	N/A	Asphalt	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220799	10.96
7/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220839	6.66
7/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220764	13.52
7/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220780	12.42
7/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220802	8.6
7/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220830	9.14
7/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	220844	7.9
8/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220858	7.9
8/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220939	11
8/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220885	8.34

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
8/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	220919	8.32
10/02/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CC50SG	221071	10
10/02/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CC50SG	221050	10
10/02/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CC50SG	221088	10
14/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	221368	9.62
14/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	221324	8.82
14/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	221306	11.28
14/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	221291	8.82
14/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	221343	10.36
16/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	221484	8.84
16/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	221516	11.8
16/02/2018	In situ		Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	221555	8.84
16/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	221536	9.42
16/02/2018	In situ	N/A	Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	280547	11.5
16/02/2018	In situ	N/A	Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	280525	11.5
16/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	221500	10.64
16/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	221475	9.72
16/02/2018	In situ		Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	22155X	12.16
16/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	221531	10.36
17/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	C023SM	221578	14.64
19/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT58QS	221614	9.36
19/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT58QS	221632	9.88
19/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT58QS	221662	8.16
19/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT58QS	221680	11.9
19/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	221613	7.9
21/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	221881	10
21/02/2018	In situ		Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BR39KL	221827	10
21/02/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI27DT	221838	10
23/02/2018	In situ	N/A	Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	222082	11
28/02/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	222382	10
1/03/2018			Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SV2650	222483	13
2/03/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CK10JP	222563	11.56
2/03/2018			Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CK10JP	222541	11
2/03/2018	In situ		Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE65DI	222568	10
2/03/2018	In situ		Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE65DI	222583	11
2/03/2018			Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE65DI	222615	12.6
2/03/2018	In situ		Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE65DI	222542	8.58
3/03/2018	In situ		Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	222645	10
3/03/2018	In situ		Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	222659	14.24
3/03/2018	In situ		Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE65DI	222644	10
5/03/2018	In situ	N/A	Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT58QS	222752	8.86
5/03/2018			Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	BT58QS	222776	9.2
6/03/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO04KX	222878	10
6/03/2018			Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE65DI	222854	9.74
6/03/2018			Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE65DI	222824	8.84
6/03/2018			Building and Demolition Waste	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE65DI	222798	9.86
6/03/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE65DI	222883	10
7/03/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CE65DI	222932	10
21/03/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	SUD058	708575	7.04
8/05/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	225400	16.5
8/05/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	225423	13.02
8/05/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	225444	6.1

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
8/05/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	225483	7.62
16/05/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	225958	10.12
18/05/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	226150	12.4
23/05/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	226434	11.42
24/05/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	226513	11.1
9/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CF96XT	667590	16.38
9/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	413XEB	667611	17.44
9/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	JC404	667585	15.72
11/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI93GR	228374	10.8
12/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	228430	9.06
12/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI92CF	589749	11.74
14/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	228496	9.22
14/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	WG13072	11.56
16/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	228573	5.88
16/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	WG13402	11.96
21/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI92CF	228858	8.24
23/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	228888	7.34
25/07/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CJ80RT	669477	17.5
1/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	ERC357	670372	18.3
16/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI93GR	230224	8.16
16/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI93GR	230234	11.52
17/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI93GR	230271	12
17/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI93GR	230284	12
17/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO50DC	230268	12
17/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO50DC	230283	12
17/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	230292	10.1
17/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	230273	10.06
18/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI93GR	230329	12
18/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO50DC	230331	12
21/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI93GR	230454	12
21/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI93GR	230436	12
24/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI93GR	230585	14.84
24/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO50DC	230588	12
27/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	GLK943	673093	27.58
27/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	ERC000	673107	27
29/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	230785	14
29/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	230833	16
29/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	230820	17
29/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	230802	14
30/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	C178VH	230901	11
30/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	C178VH	230918	11
30/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	C178VH	230901	11
30/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	230851	11
30/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	230936	11
30/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	230862	11
30/08/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	230891	11
1/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CI93GR	673819	31
12/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	231716	12.92
12/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	231742	13.68
13/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	XN27AS	231770	10.48
13/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	XN27AS	231786	11.54
13/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	XN27AS	286539	14.5

Date of Tipping	In situ OR Stockpile	Stockpile ID	Waste Classification	Waste Classification Document Ref	TSE Receival Site	Site Name	EPL	Truck Registration	Weighbridge Docket Number	Quantity Tipped (Tonnes)
13/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	XN27AS	231817	11.04
13/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	XN27AS	231837	12.86
13/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	XN27AS	231857	11.82
13/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	10067884-MET	14.76
13/09/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	CO23SM	10067954-MET	12.96
24/10/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	AW2642	233783	8.96
24/10/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	AW2642	233820	8.76
24/10/2018			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	AW2642	233848	9.72
11/01/2019	Shotcrete overspray		Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	XN67AR	10079270-MET	31.72
23/01/2019			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	XN27AS	237992	13.26
23/01/2019			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	XN27AS	238014	11.54
23/01/2019			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	XN27AS	238033	10
24/05/2019			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	AG88DS	244495	11.5
24/05/2019			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	AG88DS	244467	11.5
24/05/2019			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	AG88DS	244438	11.5
24/05/2019			Concrete	Pre-Classified	TSE_28	Boral Recycling Pty Ltd	EPL12418	AG88DS	244415	11.5
20/04/2018			Polystyrene	Pre-Classified	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CJ80RT	77424	30.1
20/04/2018			Polystyrene	Pre-Classified	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CJ80RT	77380	30.1
21/04/2018			Polystyrene	Pre-Classified	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CJ80RT	77460	30.1
21/04/2018			Polystyrene	Pre-Classified	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CJ80RT	77554	30.1
21/04/2018			Polystyrene	Pre-Classified	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CJ80RT	77517	30.1
23/04/2018			Polystyrene	Pre-Classified	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CJ80RT	77581	30.1
8/05/2018			Polystyrene	Pre-Classified	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CJ80RT	78911	30.1
8/05/2018			Polystyrene	Pre-Classified	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	CJ80RT	78938	30.1
11/01/2019			Concrete	Pre-Classified	TSE_45	Aussie Skips Waste Services Pty Ltd	EPL20885	XN67AR	97471	16
3/02/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CI27DT	10050185	8.44
13/03/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	AG88DS	10053474	10
13/03/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	AG88DS	10053441	10
13/03/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	AG88DS	10053422	10
13/03/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	AG88DS	10053505	10
14/03/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	AG88DS	10053570	10
14/03/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	AG88DS	10053597	10
14/03/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	AG88DS	10053625	10
21/03/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CP56KD	10054268	10
21/03/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CP56KD	10054275	7.56
21/03/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CP56KD	10054240	7.56
21/03/2018			Building and Demolition Waste	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	SUD058	100542343	10.54
9/04/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CO23SM	10055858	9.96
9/04/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CO23SM	10055739	7.26
9/04/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CO23SM	10055777	12.8
10/04/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CO23SM	10055911	12.74
23/04/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CE65DI	10057188	7.62
15/05/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CO23SM	10058937-MET.0	13.02
22/06/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CO23SM	10061959-MET	14.78
5/07/2018			Building and Demolition Waste	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	BT02LY	10063052	15.72
5/07/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	BT02LY	10063026	12.06
11/07/2018			Concrete	Pre-Classified	TSE_58	Metropolitan Demolition and Recycling	EPL11483	CO23SM	228375	10.94

Appendix L

Water Disposal Records

Date	Site	Discharge Point	Volume (L)	Field Readings		
				pH	TDS (NTU)	Oil/Grease
6/29/2018	Waterloo	WL_01	40,000	7.5 - 8	10	Nil
7/12/2018	Waterloo	WL_01	20,000	8.31	1.2	Nil
7/16/2018	Waterloo	Transfer to WTP		N/A	N/A	N/A
7/16/2018	Waterloo	Transfer to WTP		N/A	N/A	N/A
7/16/2018	Waterloo	Transfer to WTP		N/A	N/A	N/A
7/16/2018	Waterloo	Transfer to WTP		N/A	N/A	N/A
7/18/2018	Waterloo	WL_01	20,000	8.1	2.84	Nil
7/23/2018	Waterloo	Transfer to WTP		N/A	N/A	Nil
7/23/2018	Waterloo	Transfer to WTP		N/A	N/A	Nil
7/30/2018	Waterloo	Transfer to WTP		N/A	N/A	Nil
7/30/2018	Waterloo	Transfer to WTP		N/A	N/A	Nil
8/6/2018	Waterloo	WL_01	10,000	7.9	3.65	Nil
8/7/2018	Waterloo	WL_01	30,000	8.2	5.4	Nil
8/9/2018	Waterloo	WL_1	30,000	7.7	<30	Nil
8/14/2018	Waterloo	WL_01	15,000	7.4	3.79	Nil
8/20/2018	Waterloo	WL_01	30,000	7.5	6.52	Nil
8/23/2018	Waterloo	WL_01	20,000	6.9	6.73	Nil
8/28/2018	Waterloo	WL_01	5,000	7.01	6.98	Nil
8/29/2018	Waterloo	WL_01	35,000	7.47	3.96	Nil
8/31/2018	Waterloo	WL_01	35,000	7	4.39	Nil
9/3/2018	Waterloo	WL_01	30,000	7.07	4.78	Nil
9/4/2018	Waterloo	WL_01	60,000	6.69	5.63	Nil
9/6/2018	Waterloo	WL_01	200,000	7	6.4	Nil
9/24/2018	Waterloo	WL_01	50,000	6.81	7.3	Nil
10/2/2018	Waterloo	Transfer to WTP		N/A	N/A	Nil
10/2/2018	Waterloo	Transfer to WTP		N/A	N/A	Nil
10/2/2018	Waterloo	WL_01	50,000	7.01	10.33	Nil
10/3/2018	Waterloo	WL_01	250,000	7.41	11.59	Nil
10/8/2018	Waterloo	WL_01	300,000	7.67	13.62	Nil
10/10/2018	Waterloo	WL_01	150,000	N/A	N/A	Nil
10/15/2018	Waterloo	WL_01	200,000	7.04	4.14	Nil
10/15/2018	Waterloo	WL_01	300,000	N/A	N/A	Nil
10/22/2018	Waterloo	WL_01	200,000	7.32	2.16	Nil
10/29/2018	Waterloo	WL_01	20,000	7.17	17.57	Nil
11/28/2018	Waterloo	WL_01	60,000	N/A	N/A	Nil
12/11/2018	Waterloo	WL_01	750,000	6.86	7	Nil
1/8/2019	Waterloo	WL_01		6.86	7	Nil
1/9/2019	Waterloo	WL_01	15,000	7.42	5.32	Nil
1/10/2019	Waterloo	WL_01	15,000	7.1	1.67	Nil
1/11/2019	Waterloo	WL_01	15,000	7	1.89	Nil
1/12/2019	Waterloo	WL_01	10,000	7	1.79	Nil
1/16/2019	Waterloo	WL_01	5,000	7.3	2.33	Nil
1/17/2019	Waterloo	WL_01	15,000	7.3	2.03	Nil
1/18/2019	Waterloo	WL_01	50,000	7	3.58	Nil
1/21/2019	Waterloo	WL_01	55,000	6.73	5.38	Nil
1/22/2019	Waterloo	WL_01		6.86	7	Nil
1/23/2019	Waterloo	WL_01	15,000	6.64	6.8	Nil
1/24/2019	Waterloo	WL_01	30,000	6.98	8.29	Nil

Date	Site	Discharge Point	Volume (L)	Field Readings		
				pH	TDS (NTU)	Oil/Grease
1/25/2019	Waterloo	WL_01	10,000	6.98	12.51	Nil
1/29/2019	Waterloo	WL_01	50,000	6.57	9.47	Nil
1/30/2019	Waterloo	WL_01	10,000	6.64	5.03	Nil
1/31/2019	Waterloo	WL_01	10,000	6.69	5.29	Nil
2/4/2019	Waterloo	WL_01	60000	6.87	1.98	Nil
2/5/2019	Waterloo	WL_01	20000	7.15	1.78	Nil
2/6/2019	Waterloo	WL_01	20000	7.07	1.69	Nil
2/7/2019	Waterloo	WL_01	20000	7	2.01	Nil
2/8/2019	Waterloo	WL_01	20000	6.86	1.91	Nil
2/9/2019	Waterloo	WL_01	10000	6.55	2.22	Nil
2/11/2019	Waterloo	WL_01	50000	7.25	5.54	Nil
2/12/2019	Waterloo	WL_01	10000	7.26	9.57	Nil
2/13/2019	Waterloo	WL_01	10000	7.05	11.14	Nil
2/14/2019	Waterloo	WL_01	10000	6.93	1.32	Nil
2/16/2019	Waterloo	WL_01	20000	6.76	1.31	Nil
2/18/2019	Waterloo	WL_01	10000	6.96	1.28	Nil
2/19/2019	Waterloo	WL_01	10000	7.15	1.12	Nil
2/20/2019	Waterloo	WL_01	10000	6.93	1.3	Nil
2/21/2019	Waterloo	WL_01	10000	7	1.19	Nil
2/22/2019	Waterloo	WL_01	20000	6.66	1.8	Nil
2/23/2019	Waterloo	WL_01	20000	6.54	1.94	Nil
2/25/2019	Waterloo	WL_01	20000	6.56	2.44	Nil
2/27/2019	Waterloo	WL_01	15000	6.54	5.48	Nil
2/28/2019	Waterloo	WL_01	15000	6.74	5.52	Nil
3/1/2019	Waterloo	WL_01	15000	6.73	5.68	Nil
3/2/2019	Waterloo	WL_01	5000	6.74	6.11	Nil
3/5/2019	Waterloo	WL_01	15000	6.6	6.53	Nil
3/6/2019	Waterloo	WL_01	20000	7.48	5.03	Nil
3/7/2019	Waterloo	WL_01	15000	7.33	0.59	Nil
3/11/2019	Waterloo	WL_01	5000	7.08	0.58	Nil
3/13/2019	Waterloo	WL_01	25000	7.36	0.59	Nil
3/14/2019	Waterloo	WL_01	5000	7.55	3.3	Nil
3/18/2019	Waterloo	WL_01	160000	7.86	4.14	Nil
3/19/2019	Waterloo	WL_01	60000	7.75	4.91	Nil
3/30/2019	Waterloo	WL_01	35000	7.47	1.21	Nil
3/31/2019	Waterloo	WL_01	15000	7.35	1.2	Nil
4/1/2019	Waterloo	WL_01	20000	7.53	1.21	Nil
4/2/2019	Waterloo	WL_01	8000	7.45	1.22	Nil
4/6/2019	Waterloo	WL_01	30000	7.9	1.42	Nil
4/8/2019	Waterloo	WL_01	8000	7.84	4.48	Nil
4/9/2019	Waterloo	WL_01	15000	7.85	6.49	Nil
4/10/2019	Waterloo	WL_01	2000	7.85	11.6	Nil
4/11/2019	Waterloo	WL_01	10000	7.64	12.46	Nil
4/12/2019	Waterloo	WL_01	10000	7.83	13.89	Nil
4/27/2019	Waterloo	WL_01	15000	7.48	10.86	Nil
4/29/2019	Waterloo	WL_01	12000	7.83	10.82	Nil
5/1/2019	Waterloo	WL_01	5000	7.91	10.83	Nil
5/4/2019	Waterloo	WL_01	25000	6.85	5.07	Nil

Date	Site	Discharge Point	Volume (L)	Field Readings		
				pH	TDS (NTU)	Oil/Grease
5/6/2019	Waterloo	WL_01	30000	7.32	3.7	Nil
5/7/2019	Waterloo	WL_01	25000	7.35	3.5	Nil
5/8/2019	Waterloo	WL_01	55000	7.26	3.3	Nil
5/9/2019	Waterloo	WL_01	30000	7.25	10.25	Nil
5/11/2019	Waterloo	WL_01	10000	8.07	3.6	Nil
5/14/2019	Waterloo	WL_01	25000	7.74	1.3	Nil
5/16/2019	Waterloo	WL_01	30000	6.9	7	Nil
5/17/2019	Waterloo	WL_01	40000	8.27	8.7	Nil
5/18/2019	Waterloo	WL_01	30000	8.12	5.86	Nil
5/20/2019	Waterloo	WL_01	10000	7.39	9.5	Nil
5/21/2019	Waterloo	WL_01	10000	7.81	16.89	Nil
5/22/2019	Waterloo	WL_01	35000	7.48	3.86	Nil
5/23/2019	Waterloo	WL_01	20000	6.96	4.23	Nil
5/24/2019	Waterloo	WL_01	30000	8.24	5.97	Nil
5/25/2019	Waterloo	WL_01	25000	7.62	5.86	Nil
5/27/2019	Waterloo	WL_01	40000	7.48	5.87	Nil
5/28/2019	Waterloo	WL_01	5000	7.26	4.98	Nil
5/29/2019	Waterloo	WL_01	5000	7.94	5.11	Nil
5/30/2019	Waterloo	WL_01	5000	7.66	7.85	Nil
5/31/2019	Waterloo	WL_01	5000	8.05	7.89	Nil
6/1/2019	Waterloo	WL_01	5000	7.71	5.87	Nil
6/2/2019	Waterloo	WL_01	-			
6/3/2019	Waterloo	WL_01	5000	6.96	6.63	Nil
6/4/2019	Waterloo	WL_01	10000	7.95	6.82	Nil
6/5/2019	Waterloo	WL_01	20000	7.01	4.58	Nil
6/17/2019	Waterloo	WL_01	50000	6.77	4.89	Nil

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CERTIFICATE OF ANALYSIS 196601

Client Details

Client	John Holland CPB Contractors Ghella
Attention	Holly Hofland
Address	Level 3, 140 Sussex St, Sydney, NSW, 2000

Sample Details

Your Reference	**Sydney Metro City & Southwest - TSE Contract**
Number of Samples	1 Water
Date samples received	19/07/2018
Date completed instructions received	19/07/2018

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

Date results requested by	20/07/2018
Date of Issue	20/07/2018

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Results Approved By
Dragana Tomas, Senior Chemist
Leon Ow, Chemist
Priya Samarawickrama, Senior Chemist
Steven Luong, Senior Chemist

Authorised By

Jacinta Hurst, Laboratory Manager

VOCs in water		
Our Reference		196601-1
Your Reference	UNITS	WAT-04
Date Sampled		19/07/2018
Type of sample		Water
Date extracted	-	19/07/2018
Date analysed	-	20/07/2018
Dichlorodifluoromethane	µg/L	<10
Chloromethane	µg/L	<10
Vinyl Chloride	µg/L	<10
Bromomethane	µg/L	<10
Chloroethane	µg/L	<10
Trichlorofluoromethane	µg/L	<10
1,1-Dichloroethene	µg/L	<1
Trans-1,2-dichloroethene	µg/L	<1
1,1-dichloroethane	µg/L	<1
Cis-1,2-dichloroethene	µg/L	<1
Bromochloromethane	µg/L	<1
Chloroform	µg/L	<1
2,2-dichloropropane	µg/L	<1
1,2-dichloroethane	µg/L	<1
1,1,1-trichloroethane	µg/L	<1
1,1-dichloropropene	µg/L	<1
Cyclohexane	µg/L	<1
Carbon tetrachloride	µg/L	<1
Benzene	µg/L	<1
Dibromomethane	µg/L	<1
1,2-dichloropropane	µg/L	<1
Trichloroethene	µg/L	<1
Bromodichloromethane	µg/L	<1
trans-1,3-dichloropropene	µg/L	<1
cis-1,3-dichloropropene	µg/L	<1
1,1,2-trichloroethane	µg/L	<1
Toluene	µg/L	<1
1,3-dichloropropane	µg/L	<1
Dibromochloromethane	µg/L	<1
1,2-dibromoethane	µg/L	<1
Tetrachloroethene	µg/L	<1
1,1,1,2-tetrachloroethane	µg/L	<1
Chlorobenzene	µg/L	<1
Ethylbenzene	µg/L	<1
Bromoform	µg/L	<1

VOCs in water		
Our Reference		196601-1
Your Reference	UNITS	WAT-04
Date Sampled		19/07/2018
Type of sample		Water
m+p-xylene	µg/L	<2
Styrene	µg/L	<1
1,1,2,2-tetrachloroethane	µg/L	<1
o-xylene	µg/L	<1
1,2,3-trichloropropane	µg/L	<1
Isopropylbenzene	µg/L	<1
Bromobenzene	µg/L	<1
n-propyl benzene	µg/L	<1
2-chlorotoluene	µg/L	<1
4-chlorotoluene	µg/L	<1
1,3,5-trimethyl benzene	µg/L	<1
Tert-butyl benzene	µg/L	<1
1,2,4-trimethyl benzene	µg/L	<1
1,3-dichlorobenzene	µg/L	<1
Sec-butyl benzene	µg/L	<1
1,4-dichlorobenzene	µg/L	<1
4-isopropyl toluene	µg/L	<1
1,2-dichlorobenzene	µg/L	<1
n-butyl benzene	µg/L	<1
1,2-dibromo-3-chloropropane	µg/L	<1
1,2,4-trichlorobenzene	µg/L	<1
Hexachlorobutadiene	µg/L	<1
1,2,3-trichlorobenzene	µg/L	<1
Surrogate Dibromofluoromethane	%	112
Surrogate toluene-d8	%	96
Surrogate 4-BFB	%	97

vTRH(C6-C10)/BTEXN in Water		
Our Reference		196601-1
Your Reference	UNITS	WAT-04
Date Sampled		19/07/2018
Type of sample		Water
Date extracted	-	19/07/2018
Date analysed	-	20/07/2018
TRH C_6 - C_9	µg/L	<10
TRH C_6 - C_{10}	µg/L	<10
TRH C_6 - C_{10} less BTEX (F1)	µg/L	<10
Benzene	µg/L	<1
Toluene	µg/L	<1
Ethylbenzene	µg/L	<1
m+p-xylene	µg/L	<2
o-xylene	µg/L	<1
Naphthalene	µg/L	<1
Surrogate Dibromofluoromethane	%	112
Surrogate toluene-d8	%	96
Surrogate 4-BFB	%	97

svTRH (C10-C40) in Water		
Our Reference		196601-1
Your Reference	UNITS	WAT-04
Date Sampled		19/07/2018
Type of sample		Water
Date extracted	-	20/07/2018
Date analysed	-	20/07/2018
TRH C_{10} - C_{14}	µg/L	<50
TRH C_{15} - C_{28}	µg/L	<100
TRH C_{29} - C_{36}	µg/L	<100
TRH >C_{10} - C_{16}	µg/L	<50
TRH >C_{10} - C_{16} less Naphthalene (F2)	µg/L	<50
TRH >C_{16} - C_{34}	µg/L	<100
TRH >C_{34} - C_{40}	µg/L	<100
Surrogate o-Terphenyl	%	91

PAHs in Water		
Our Reference		196601-1
Your Reference	UNITS	WAT-04
Date Sampled		19/07/2018
Type of sample		Water
Date extracted	-	20/07/2018
Date analysed	-	20/07/2018
Naphthalene	µg/L	<1
Acenaphthylene	µg/L	<1
Acenaphthene	µg/L	<1
Fluorene	µg/L	<1
Phenanthrene	µg/L	<1
Anthracene	µg/L	<1
Fluoranthene	µg/L	<1
Pyrene	µg/L	<1
Benzo(a)anthracene	µg/L	<1
Chrysene	µg/L	<1
Benzo(b,j+k)fluoranthene	µg/L	<2
Benzo(a)pyrene	µg/L	<1
Indeno(1,2,3-c,d)pyrene	µg/L	<1
Dibenzo(a,h)anthracene	µg/L	<1
Benzo(g,h,i)perylene	µg/L	<1
Benzo(a)pyrene TEQ	µg/L	<5
Total +ve PAH's	µg/L	NIL (+)VE
Surrogate p-Terphenyl-d14	%	112

OCP in water		
Our Reference		196601-1
Your Reference	UNITS	WAT-04
Date Sampled		19/07/2018
Type of sample		Water
Date extracted	-	20/07/2018
Date analysed	-	20/07/2018
HCB	µg/L	<0.2
alpha-BHC	µg/L	<0.2
gamma-BHC	µg/L	<0.2
beta-BHC	µg/L	<0.2
Heptachlor	µg/L	<0.2
delta-BHC	µg/L	<0.2
Aldrin	µg/L	<0.2
Heptachlor Epoxide	µg/L	<0.2
gamma-Chlordane	µg/L	<0.2
alpha-Chlordane	µg/L	<0.2
Endosulfan I	µg/L	<0.2
pp-DDE	µg/L	<0.2
Dieldrin	µg/L	<0.2
Endrin	µg/L	<0.2
pp-DDD	µg/L	<0.2
Endosulfan II	µg/L	<0.2
pp-DDT	µg/L	<0.2
Endrin Aldehyde	µg/L	<0.2
Endosulfan Sulphate	µg/L	<0.2
Methoxychlor	µg/L	<0.2
Surrogate TCMX	%	97

Metals in Waters - Acid extractable		
Our Reference		196601-1
Your Reference	UNITS	WAT-04
Date Sampled		19/07/2018
Type of sample		Water
Date prepared	-	20/07/2018
Date analysed	-	20/07/2018
Arsenic - Total	mg/L	<0.05
Cadmium - Total	mg/L	<0.01
Chromium - Total	mg/L	0.09
Copper - Total	mg/L	<0.01
Lead - Total	mg/L	<0.03
Mercury - Total	mg/L	<0.0005
Nickel - Total	mg/L	<0.02
Zinc - Total	mg/L	<0.02
Iron - Total	mg/L	0.03
Manganese - Total	mg/L	0.03

Metals in Water - Dissolved		
Our Reference		196601-1
Your Reference	UNITS	WAT-04
Date Sampled		19/07/2018
Type of sample		Water
Date digested	-	20/07/2018
Date analysed	-	20/07/2018
Arsenic - Dissolved	mg/L	<0.05
Cadmium - Dissolved	mg/L	<0.01
Chromium - Dissolved	mg/L	0.08
Copper - Dissolved	mg/L	<0.01
Lead - Dissolved	mg/L	<0.03
Mercury - Dissolved	mg/L	<0.0005
Nickel - Dissolved	mg/L	<0.02
Zinc - Dissolved	mg/L	<0.02
Iron - Dissolved	mg/L	<0.02
Manganese - Dissolved	mg/L	0.03

Miscellaneous Inorganics		
Our Reference		196601-1
Your Reference	UNITS	WAT-04
Date Sampled		19/07/2018
Type of sample		Water
Date prepared	-	19/07/2018
Date analysed	-	19/07/2018
Oil & Grease (LLE)	mg/L	<5
Total Suspended Solids	mg/L	<5
Turbidity	NTU	1.2
pH	pH Units	7.6
Hydroxide Alkalinity (OH^-) as $CaCO_3$	mg/L	<5
Bicarbonate Alkalinity as $CaCO_3$	mg/L	43
Carbonate Alkalinity as $CaCO_3$	mg/L	<5
Total Alkalinity as $CaCO_3$	mg/L	43

Total Phenolics in Water		
Our Reference		196601-1
Your Reference	UNITS	WAT-04
Date Sampled		19/07/2018
Type of sample		Water
Date extracted	-	20/07/2018
Date analysed	-	20/07/2018
Total Phenolics (as Phenol)	mg/L	<0.05

Method ID	Methodology Summary
Inorg-001	pH - Measured using pH meter and electrode in accordance with APHA latest edition, 4500-H+. Please note that the results for water analyses are indicative only, as analysis outside of the APHA storage times.
Inorg-003	Oil & Grease - determine gravimetrically following extraction with Hexane, in accordance with APHA latest edition, 5520-B.
Inorg-006	Alkalinity - determined titrimetrically in accordance with APHA latest edition, 2320-B.
Inorg-019	Suspended Solids - determined gravimetricially by filtration of the sample. The samples are dried at 104+/-5°C.
Inorg-022	Turbidity - measured nephelometrically using a turbidimeter, in accordance with APHA latest edition, 2130-B.
Inorg-031	Total Phenolics by segmented flow analyser (in line distillation with colourimetric finish). Solids are extracted in a caustic media prior to analysis.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-003	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-FID. F2 = (>C10-C16)-Naphthalene as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater (HSLs Tables 1A (3, 4)). Note Naphthalene is determined from the VOC analysis.
Org-005	Soil samples are extracted with dichloromethane/acetone and waters with dichloromethane and analysed by GC with dual ECD's.
Org-012	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS. Benzo(a)pyrene TEQ as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater - 2013.
Org-013	Water samples are analysed directly by purge and trap GC-MS.
Org-016	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS. Water samples are analysed directly by purge and trap GC-MS. F1 = (C6-C10)-BTEX as per NEPM B1 Guideline on Investigation Levels for Soil and Groundwater.

QUALITY CONTROL: VOCs in water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	[NT]
Date extracted	-			19/07/2018	[NT]	[NT]	[NT]	[NT]	19/07/2018	[NT]
Date analysed	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
Dichlorodifluoromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Vinyl Chloride	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromomethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichlorofluoromethane	µg/L	10	Org-013	<10	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-Dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trans-1,2-dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1-dichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	93	[NT]
Cis-1,2-dichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromochloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chloroform	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	83	[NT]
2,2-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	79	[NT]
1,1,1-trichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	88	[NT]
1,1-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Cyclohexane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Carbon tetrachloride	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromomethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Trichloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	87	[NT]
Bromodichloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	88	[NT]
trans-1,3-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
cis-1,3-dichloropropene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2-trichloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Toluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibromochloromethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	79	[NT]
1,2-dibromoethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tetrachloroethene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	91	[NT]
1,1,1,2-tetrachloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Ethylbenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromoform	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
m+p-xylene	µg/L	2	Org-013	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Styrene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,1,2,2-tetrachloroethane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
o-xylene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]

QUALITY CONTROL: VOCs in water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	[NT]
1,2,3-trichloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Isopropylbenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bromobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-propyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
2-chlorotoluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-chlorotoluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3,5-trimethyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Tert-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trimethyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,3-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Sec-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,4-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
4-isopropyl toluene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
n-butyl benzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2-dibromo-3-chloropropane	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,4-trichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Hexachlorobutadiene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
1,2,3-trichlorobenzene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-013	108	[NT]	[NT]	[NT]	[NT]	90	[NT]
Surrogate toluene-d8	%		Org-013	99	[NT]	[NT]	[NT]	[NT]	95	[NT]
Surrogate 4-BFB	%		Org-013	96	[NT]	[NT]	[NT]	[NT]	109	[NT]

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W5	[NT]
Date extracted	-			19/07/2018	[NT]	[NT]	[NT]	[NT]	19/07/2018	[NT]
Date analysed	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
TRH C_6 - C_9	µg/L	10	Org-016	<10	[NT]	[NT]	[NT]	[NT]	83	[NT]
TRH C_6 - C_{10}	µg/L	10	Org-016	<10	[NT]	[NT]	[NT]	[NT]	83	[NT]
Benzene	µg/L	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	78	[NT]
Toluene	µg/L	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	79	[NT]
Ethylbenzene	µg/L	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	85	[NT]
m+p-xylene	µg/L	2	Org-016	<2	[NT]	[NT]	[NT]	[NT]	86	[NT]
o-xylene	µg/L	1	Org-016	<1	[NT]	[NT]	[NT]	[NT]	85	[NT]
Naphthalene	µg/L	1	Org-013	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate Dibromofluoromethane	%		Org-016	108	[NT]	[NT]	[NT]	[NT]	90	[NT]
Surrogate toluene-d8	%		Org-016	99	[NT]	[NT]	[NT]	[NT]	95	[NT]
Surrogate 4-BFB	%		Org-016	96	[NT]	[NT]	[NT]	[NT]	109	[NT]

QUALITY CONTROL: svTRH (C10-C40) in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
Date analysed	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
TRH C_{10} - C_{14}	µg/L	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	135	[NT]
TRH C_{15} - C_{28}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	118	[NT]
TRH C_{29} - C_{36}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	93	[NT]
TRH $>C_{10}$ - C_{16}	µg/L	50	Org-003	<50	[NT]	[NT]	[NT]	[NT]	135	[NT]
TRH $>C_{16}$ - C_{34}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	118	[NT]
TRH $>C_{34}$ - C_{40}	µg/L	100	Org-003	<100	[NT]	[NT]	[NT]	[NT]	93	[NT]
Surrogate o-Terphenyl	%		Org-003	90	[NT]	[NT]	[NT]	[NT]	113	[NT]

QUALITY CONTROL: PAHs in Water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
Date analysed	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
Naphthalene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Acenaphthylene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Acenaphthene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluorene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	109	[NT]
Phenanthrene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Anthracene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Fluoranthene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Pyrene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	107	[NT]
Benzo(a)anthracene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Chrysene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	102	[NT]
Benzo(b,j+k)fluoranthene	µg/L	2	Org-012	<2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(a)pyrene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Indeno(1,2,3-c,d)pyrene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Dibenzo(a,h)anthracene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Benzo(g,h,i)perylene	µg/L	1	Org-012	<1	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-012	107	[NT]	[NT]	[NT]	[NT]	103	[NT]

Client Reference: Sydney Metro City & Southwest - TSE Contract

QUALITY CONTROL: OCP in water						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
Date analysed	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
HCB	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-BHC	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	93	[NT]
gamma-BHC	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
beta-BHC	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	97	[NT]
Heptachlor	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	99	[NT]
delta-BHC	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Aldrin	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	102	[NT]
Heptachlor Epoxide	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	102	[NT]
gamma-Chlordane	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
alpha-Chlordane	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan I	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDE	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	116	[NT]
Dieldrin	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	122	[NT]
Endrin	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	109	[NT]
pp-DDD	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	113	[NT]
Endosulfan II	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
pp-DDT	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endrin Aldehyde	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Endosulfan Sulphate	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	122	[NT]
Methoxychlor	µg/L	0.2	Org-005	<0.2	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Surrogate TCMX	%		Org-005	105	[NT]	[NT]	[NT]	[NT]	99	[NT]

QUALITY CONTROL: Metals in Waters - Acid extractable					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
Date analysed	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
Arsenic - Total	mg/L	0.05	Metals-020	<0.05	[NT]	[NT]	[NT]	[NT]	103	[NT]
Cadmium - Total	mg/L	0.01	Metals-020	<0.01	[NT]	[NT]	[NT]	[NT]	107	[NT]
Chromium - Total	mg/L	0.01	Metals-020	<0.01	[NT]	[NT]	[NT]	[NT]	104	[NT]
Copper - Total	mg/L	0.01	Metals-020	<0.01	[NT]	[NT]	[NT]	[NT]	108	[NT]
Lead - Total	mg/L	0.03	Metals-020	<0.03	[NT]	[NT]	[NT]	[NT]	107	[NT]
Mercury - Total	mg/L	0.0005	Metals-021	<0.0005	[NT]	[NT]	[NT]	[NT]	108	[NT]
Nickel - Total	mg/L	0.02	Metals-020	<0.02	[NT]	[NT]	[NT]	[NT]	104	[NT]
Zinc - Total	mg/L	0.02	Metals-020	<0.02	[NT]	[NT]	[NT]	[NT]	105	[NT]
Iron - Total	mg/L	0.02	Metals-020	<0.02	[NT]	[NT]	[NT]	[NT]	111	[NT]
Manganese - Total	mg/L	0.01	Metals-020	<0.01	[NT]	[NT]	[NT]	[NT]	106	[NT]

QUALITY CONTROL: Metals in Water - Dissolved					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	196601-1
Date digested	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	20/07/2018
Date analysed	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	20/07/2018
Arsenic - Dissolved	mg/L	0.05	Metals-020	<0.05	[NT]	[NT]	[NT]	[NT]	105	[NT]
Cadmium - Dissolved	mg/L	0.01	Metals-020	<0.01	[NT]	[NT]	[NT]	[NT]	111	[NT]
Chromium - Dissolved	mg/L	0.01	Metals-020	<0.01	[NT]	[NT]	[NT]	[NT]	107	[NT]
Copper - Dissolved	mg/L	0.01	Metals-020	<0.01	[NT]	[NT]	[NT]	[NT]	109	[NT]
Lead - Dissolved	mg/L	0.03	Metals-020	<0.03	[NT]	[NT]	[NT]	[NT]	111	[NT]
Mercury - Dissolved	mg/L	0.0005	Metals-021	<0.0005	[NT]	[NT]	[NT]	[NT]	106	108
Nickel - Dissolved	mg/L	0.02	Metals-020	<0.02	[NT]	[NT]	[NT]	[NT]	106	[NT]
Zinc - Dissolved	mg/L	0.02	Metals-020	<0.02	[NT]	[NT]	[NT]	[NT]	109	[NT]
Iron - Dissolved	mg/L	0.02	Metals-020	<0.02	[NT]	[NT]	[NT]	[NT]	114	[NT]
Manganese - Dissolved	mg/L	0.01	Metals-020	<0.01	[NT]	[NT]	[NT]	[NT]	108	[NT]

QUALITY CONTROL: Miscellaneous Inorganics						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date prepared	-			19/07/2018	[NT]	[NT]	[NT]	[NT]	19/07/2018	[NT]
Date analysed	-			19/07/2018	[NT]	[NT]	[NT]	[NT]	19/07/2018	[NT]
Oil & Grease (LLE)	mg/L	5	Inorg-003	<5	[NT]	[NT]	[NT]	[NT]	93	[NT]
Total Suspended Solids	mg/L	5	Inorg-019	<5	[NT]	[NT]	[NT]	[NT]	94	[NT]
Turbidity	NTU	0.1	Inorg-022	<0.1	[NT]	[NT]	[NT]	[NT]	89	[NT]
pH	pH Units		Inorg-001	[NT]	[NT]	[NT]	[NT]	[NT]	101	[NT]
Hydroxide Alkalinity (OH^-) as $CaCO_3$	mg/L	5	Inorg-006	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Bicarbonate Alkalinity as $CaCO_3$	mg/L	5	Inorg-006	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Carbonate Alkalinity as $CaCO_3$	mg/L	5	Inorg-006	<5	[NT]	[NT]	[NT]	[NT]	[NT]	[NT]
Total Alkalinity as $CaCO_3$	mg/L	5	Inorg-006	<5	[NT]	[NT]	[NT]	[NT]	105	[NT]

QUALITY CONTROL: Total Phenolics in Water					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	[NT]
Date extracted	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
Date analysed	-			20/07/2018	[NT]	[NT]	[NT]	[NT]	20/07/2018	[NT]
Total Phenolics (as Phenol)	mg/L	0.05	Inorg-031	<0.05	[NT]	[NT]	[NT]	[NT]	96	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Measurement Uncertainty estimates are available for most tests upon request.

Certificate of Analysis

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
The results of the tests, calibrations and/or
measurements included in this document are traceable
to Australian/national standards.

John Holland PL, CPB Contractors P, Ghella PL
Level 3, 140 Sussex Street
Sydney
NSW 2000

Attention:	**Nathan Alexander**
Report	**632315-W**
Project name	SYDNEY METRO CITY & SOUTHWEST TSE
Received Date	Dec 11, 2018

Client Sample ID **Sample Matrix** **Eurofins | mgt Sample No.** **Date Sampled** Test/Reference	LOR	Unit	**WL-DEC 18** **Water** **S18-De12993** **Dec 11, 2018**
Total Recoverable Hydrocarbons - 1999 NEPM Fractions			
TRH C6-C9	0.02	mg/L	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1
TRH C10-36 (Total)	0.1	mg/L	< 0.1
BTEX			
Benzene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
o-Xylene	0.001	mg/L	< 0.001
Xylenes - Total	0.003	mg/L	< 0.003
4-Bromofluorobenzene (surr.)	1	%	88
Volatile Organics			
1.1-Dichloroethane	0.001	mg/L	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001
1.3-Dichloropropane	0.001	mg/L	< 0.001
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001
2-Butanone (MEK)	0.001	mg/L	< 0.001
2-Propanone (Acetone)	0.001	mg/L	< 0.001
4-Chlorotoluene	0.001	mg/L	< 0.001
4-Methyl-2-pentanone (MIBK)	0.001	mg/L	< 0.001
Allyl chloride	0.001	mg/L	< 0.001
Benzene	0.001	mg/L	< 0.001

eurofins | mgt

Client Sample ID **Sample Matrix** **Eurofins | mgt Sample No.** **Date Sampled** Test/Reference	LOR	Unit	**WL-DEC 18** **Water** **S18-De12993** **Dec 11, 2018**
Volatile Organics			
Bromobenzene	0.001	mg/L	< 0.001
Bromochloromethane	0.001	mg/L	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001
Bromoform	0.001	mg/L	< 0.001
Bromomethane	0.001	mg/L	< 0.001
Carbon disulfide	0.001	mg/L	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001
Chloroethane	0.001	mg/L	< 0.001
Chloroform	0.005	mg/L	< 0.005
Chloromethane	0.001	mg/L	< 0.001
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001
Dibromomethane	0.001	mg/L	< 0.001
Dichlorodifluoromethane	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
Iodomethane	0.001	mg/L	< 0.001
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
Methylene Chloride	0.001	mg/L	< 0.001
o-Xylene	0.001	mg/L	< 0.001
Styrene	0.001	mg/L	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001
Trichloroethene	0.001	mg/L	< 0.001
Trichlorofluoromethane	0.001	mg/L	< 0.001
Vinyl chloride	0.001	mg/L	< 0.001
Xylenes - Total	0.003	mg/L	< 0.003
Total MAH*	0.003	mg/L	< 0.003
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005
4-Bromofluorobenzene (surr.)	1	%	88
Toluene-d8 (surr.)	1	%	86
Halogenated Volatile Organics			
1.1-Dichloroethane	0.001	mg/L	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001

Client Sample ID **Sample Matrix** **Eurofins | mgt Sample No.** **Date Sampled** Test/Reference	LOR	Unit	**WL-DEC 18** **Water** **S18-De12993** **Dec 11, 2018**
Halogenated Volatile Organics			
1.3-Dichloropropane	0.001	mg/L	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001
Bromoform	0.001	mg/L	< 0.001
Bromomethane	0.001	mg/L	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001
Chloroform	0.005	mg/L	< 0.005
Chloromethane	0.001	mg/L	< 0.001
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001
Dibromomethane	0.001	mg/L	< 0.001
Iodomethane	0.001	mg/L	< 0.001
Methylene Chloride	0.001	mg/L	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001
Trichloroethene	0.001	mg/L	< 0.001
Trichlorofluoromethane	0.001	mg/L	< 0.001
Vinyl chloride	0.001	mg/L	< 0.001
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005
4-Bromofluorobenzene (surr.)	1	%	88
Toluene-d8 (surr.)	1	%	86
Total Recoverable Hydrocarbons - 2013 NEPM Fractions			
Naphthalene^{N02}	0.01	mg/L	< 0.01
TRH C6-C10	0.02	mg/L	< 0.02
TRH C6-C10 less BTEX (F1)^{N04}	0.02	mg/L	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05
TRH >C10-C16 less Naphthalene (F2)^{N01}	0.05	mg/L	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1
Polycyclic Aromatic Hydrocarbons			
Acenaphthene	0.001	mg/L	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001
Anthracene	0.001	mg/L	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001
Benzo(b&j)fluoranthene^{N07}	0.001	mg/L	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001
Chrysene	0.001	mg/L	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001
Fluoranthene	0.001	mg/L	< 0.001
Fluorene	0.001	mg/L	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001
Naphthalene	0.001	mg/L	< 0.001

Client Sample ID			**WL-DEC 18**
Sample Matrix			**Water**
Eurofins | mgt Sample No.			**S18-De12993**
Date Sampled			**Dec 11, 2018**
Test/Reference	LOR	Unit	
Polycyclic Aromatic Hydrocarbons			
Phenanthrene	0.001	mg/L	< 0.001
Pyrene	0.001	mg/L	< 0.001
Total PAH*	0.001	mg/L	< 0.001
2-Fluorobiphenyl (surr.)	1	%	70
p-Terphenyl-d14 (surr.)	1	%	79
Organochlorine Pesticides			
Chlordanes - Total	0.001	mg/L	< 0.001
4.4'-DDD	0.0001	mg/L	< 0.0001
4.4'-DDE	0.0001	mg/L	< 0.0001
4.4'-DDT	0.0001	mg/L	< 0.0001
a-BHC	0.0001	mg/L	< 0.0001
Aldrin	0.0001	mg/L	< 0.0001
b-BHC	0.0001	mg/L	< 0.0001
d-BHC	0.0001	mg/L	< 0.0001
Dieldrin	0.0001	mg/L	< 0.0001
Endosulfan I	0.0001	mg/L	< 0.0001
Endosulfan II	0.0001	mg/L	< 0.0001
Endosulfan sulphate	0.0001	mg/L	< 0.0001
Endrin	0.0001	mg/L	< 0.0001
Endrin aldehyde	0.0001	mg/L	< 0.0001
Endrin ketone	0.0001	mg/L	< 0.0001
g-BHC (Lindane)	0.0001	mg/L	< 0.0001
Heptachlor	0.0001	mg/L	< 0.0001
Heptachlor epoxide	0.0001	mg/L	< 0.0001
Hexachlorobenzene	0.0001	mg/L	< 0.0001
Methoxychlor	0.0001	mg/L	< 0.0001
Toxaphene	0.01	mg/L	< 0.01
Aldrin and Dieldrin (Total)*	0.0001	mg/L	< 0.0001
DDT + DDE + DDD (Total)*	0.0001	mg/L	< 0.0001
Vic EPA IWRG 621 OCP (Total)*	0.001	mg/L	< 0.001
Vic EPA IWRG 621 Other OCP (Total)*	0.001	mg/L	< 0.001
Dibutylchlorendate (surr.)	1	%	82
Tetrachloro-m-xylene (surr.)	1	%	65
Phenols (Halogenated)			
2-Chlorophenol	0.003	mg/L	< 0.003
2.4-Dichlorophenol	0.003	mg/L	< 0.003
2.4.5-Trichlorophenol	0.01	mg/L	< 0.01
2.4.6-Trichlorophenol	0.01	mg/L	< 0.01
2.6-Dichlorophenol	0.003	mg/L	< 0.003
4-Chloro-3-methylphenol	0.01	mg/L	< 0.01
Pentachlorophenol	0.01	mg/L	< 0.01
Tetrachlorophenols - Total	0.03	mg/L	< 0.03
Total Halogenated Phenol*	0.01	mg/L	< 0.01
Phenols (non-Halogenated)			
2-Cyclohexyl-4.6-dinitrophenol	0.1	mg/L	< 0.1
2-Methyl-4.6-dinitrophenol	0.03	mg/L	< 0.03
2-Methylphenol (o-Cresol)	0.003	mg/L	< 0.003
2-Nitrophenol	0.01	mg/L	< 0.01
2.4-Dimethylphenol	0.003	mg/L	< 0.003

Client Sample ID **Sample Matrix** **Eurofins | mgt Sample No.** **Date Sampled** Test/Reference	LOR	Unit	**WL-DEC 18** **Water** **S18-De12993** **Dec 11, 2018**
Phenols (non-Halogenated)			
2.4-Dinitrophenol	0.03	mg/L	< 0.03
3&4-Methylphenol (m&p-Cresol)	0.006	mg/L	< 0.006
4-Nitrophenol	0.03	mg/L	< 0.03
Dinoseb	0.1	mg/L	< 0.1
Phenol	0.003	mg/L	< 0.003
Total Non-Halogenated Phenol*	0.1	mg/L	< 0.1
Phenol-d6 (surr.)	1	%	38
Oil & Grease (HEM)	10	mg/L	< 10
pH (at 25°C)	0.1	pH Units	7.0
Total Suspended Solids Dried at 103–105°C	5	mg/L	< 5
Turbidity	1	NTU	1.0
Alkalinity (speciated)			
Total Alkalinity (as CaCO3)	20	mg/L	42
Heavy Metals			
Arsenic	0.001	mg/L	0.004
Arsenic (filtered)	0.001	mg/L	0.003
Cadmium	0.0002	mg/L	< 0.0002
Cadmium (filtered)	0.0002	mg/L	< 0.0002
Chromium	0.001	mg/L	0.011
Chromium (filtered)	0.001	mg/L	0.009
Copper	0.001	mg/L	< 0.001
Copper (filtered)	0.001	mg/L	< 0.001
Lead	0.001	mg/L	< 0.001
Lead (filtered)	0.001	mg/L	< 0.001
Mercury	0.0001	mg/L	< 0.0001
Mercury (filtered)	0.0001	mg/L	< 0.0001
Nickel	0.001	mg/L	0.002
Nickel (filtered)	0.001	mg/L	0.001
Zinc	0.005	mg/L	0.008
Zinc (filtered)	0.005	mg/L	0.007

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Eurofins | mgt Suite B4			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Dec 11, 2018	7 Day
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Dec 11, 2018	14 Day
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Dec 11, 2018	7 Day
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Dec 11, 2018	7 Day
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Dec 11, 2018	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Volatile Organics	Sydney	Dec 11, 2018	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Halogenated Volatile Organics	Sydney	Dec 11, 2018	7 Day
- Method: E016 Volatile Halogenated Compounds (VHC)			
Organochlorine Pesticides	Sydney	Dec 12, 2018	7 Day
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Oil & Grease (HEM)	Melbourne	Dec 12, 2018	28 Day
- Method: APHA 5520B Oil & Grease			
pH (at 25°C)	Sydney	Dec 12, 2018	1 Day
- Method: LTM-GEN-7090 pH in water by ISE			
Total Suspended Solids Dried at 103–105°C	Sydney	Dec 11, 2018	7 Days
- Method: LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry			
Turbidity	Sydney	Dec 12, 2018	2 Day
- Method: LTM-INO-4140 Turbidity by Nephelometric Method			
Alkalinity (speciated)	Melbourne	Dec 12, 2018	14 Day
- Method: APHA 2320 Alkalinity by Titration			
Metals M8	Sydney	Dec 11, 2018	28 Day
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Metals M8 filtered	Sydney	Dec 11, 2018	28 Day
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Phenols (Halogenated)	Sydney	Dec 11, 2018	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Dec 11, 2018	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			

Company Name:	John Holland Pty Ltd (NSW)	**Order No.:**		**Received:**	Dec 11, 2018 1:20 PM
Address:	Level 3, 65 Pirrama Rd PYRMONT NSW 2009	**Report #:**	632315	**Due:**	Dec 12, 2018
		Phone:	(02) 8572 3192	**Priority:**	1 Day
		Fax:		**Contact Name:**	Nathan Alexander
Project Name:	SYDNEY METRO CITY & SOUTHWEST TSE				

Eurofins | mgt Analytical Services Manager : Andrew Black

Sample Detail						Oil & Grease (HEM)	pH (at 25°C)	Suspended Solids	Total Alkalinity (as CaCO3)	Turbidity	Organochlorine Pesticides	Metals M8	Metals M8 filtered	Phenols (IWRG 621)	Volatile Organics	Halogenated Volatile Organics	Eurofins | mgt Suite B4
Melbourne Laboratory - NATA Site # 1254 & 14271						X			X								
Sydney Laboratory - NATA Site # 18217							X	X		X	X	X	X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794																	
Perth Laboratory - NATA Site # 23736																	
External Laboratory																	
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**												
1	WL-DEC 18	Dec 11, 2018		Water	S18-De12993	X	X	X	X	X	X	X	X	X	X	X	X
Test Counts						1	1	1	1	1	1	1	1	1	1	1	1

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

****NOTE:** pH duplicates are reported as a range NOT as RPD

Units

mg/kg: milligrams per kilogram
mg/L: milligrams per litre
ug/L: micrograms per litre
ppm: Parts per million
ppb: Parts per billion
%: Percentage
org/100mL: Organisms per 100 millilitres
NTU: Nephelometric Turbidity Units
MPN/100mL: Most Probable Number of organisms per 100 millilitres

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery.
CRM	Certified Reference Material - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
QSM	Quality Systems Manual ver 5.1 US Department of Defense
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries: Recoveries must lie between 50-150%-Phenols & PFASs

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.1 where no positive PFAS results have been reported have been reviewed and no data was affected.

WA DWER (n=10): PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling.Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
9. For Matrix Spikes and LCS results a dash " -" in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g.h.i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a.h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1.2.3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/L	< 0.001			0.001	Pass	
4.4'-DDD	mg/L	< 0.0001			0.0001	Pass	
4.4'-DDE	mg/L	< 0.0001			0.0001	Pass	
4.4'-DDT	mg/L	< 0.0001			0.0001	Pass	
a-BHC	mg/L	< 0.0001			0.0001	Pass	
Aldrin	mg/L	< 0.0001			0.0001	Pass	
b-BHC	mg/L	< 0.0001			0.0001	Pass	
d-BHC	mg/L	< 0.0001			0.0001	Pass	
Dieldrin	mg/L	< 0.0001			0.0001	Pass	
Endosulfan I	mg/L	< 0.0001			0.0001	Pass	
Endosulfan II	mg/L	< 0.0001			0.0001	Pass	
Endosulfan sulphate	mg/L	< 0.0001			0.0001	Pass	
Endrin	mg/L	< 0.0001			0.0001	Pass	
Endrin aldehyde	mg/L	< 0.0001			0.0001	Pass	
Endrin ketone	mg/L	< 0.0001			0.0001	Pass	
g-BHC (Lindane)	mg/L	< 0.0001			0.0001	Pass	
Heptachlor	mg/L	< 0.0001			0.0001	Pass	
Heptachlor epoxide	mg/L	< 0.0001			0.0001	Pass	
Hexachlorobenzene	mg/L	< 0.0001			0.0001	Pass	
Methoxychlor	mg/L	< 0.0001			0.0001	Pass	
Toxaphene	mg/L	< 0.01			0.01	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/L	< 0.003			0.003	Pass	
2.4-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
2.4.5-Trichlorophenol	mg/L	< 0.01			0.01	Pass	
2.4.6-Trichlorophenol	mg/L	< 0.01			0.01	Pass	
2.6-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
4-Chloro-3-methylphenol	mg/L	< 0.01			0.01	Pass	
Pentachlorophenol	mg/L	< 0.01			0.01	Pass	
Tetrachlorophenols - Total	mg/L	< 0.03			0.03	Pass	
Method Blank							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	mg/L	< 0.1			0.1	Pass	
2-Methyl-4.6-dinitrophenol	mg/L	< 0.03			0.03	Pass	
2-Methylphenol (o-Cresol)	mg/L	< 0.003			0.003	Pass	
2-Nitrophenol	mg/L	< 0.01			0.01	Pass	
2.4-Dimethylphenol	mg/L	< 0.003			0.003	Pass	
2.4-Dinitrophenol	mg/L	< 0.03			0.03	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/L	< 0.006			0.006	Pass	
4-Nitrophenol	mg/L	< 0.03			0.03	Pass	
Dinoseb	mg/L	< 0.1			0.1	Pass	
Phenol	mg/L	< 0.003			0.003	Pass	
Method Blank							
Oil & Grease (HEM)	mg/L	< 10			10	Pass	
Method Blank							
Alkalinity (speciated)							
Total Alkalinity (as CaCO3)	mg/L	< 20			20	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/L	< 0.001			0.001	Pass	
Arsenic (filtered)	mg/L	< 0.001			0.001	Pass	
Cadmium	mg/L	< 0.0002			0.0002	Pass	
Cadmium (filtered)	mg/L	< 0.0002			0.0002	Pass	
Chromium	mg/L	< 0.001			0.001	Pass	
Chromium (filtered)	mg/L	< 0.001			0.001	Pass	
Copper	mg/L	< 0.001			0.001	Pass	
Copper (filtered)	mg/L	< 0.001			0.001	Pass	
Lead	mg/L	< 0.001			0.001	Pass	
Lead (filtered)	mg/L	< 0.001			0.001	Pass	
Mercury	mg/L	< 0.0001			0.0001	Pass	
Mercury (filtered)	mg/L	< 0.0001			0.0001	Pass	
Nickel	mg/L	< 0.001			0.001	Pass	
Nickel (filtered)	mg/L	< 0.001			0.001	Pass	
Zinc	mg/L	< 0.005			0.005	Pass	
Zinc (filtered)	mg/L	< 0.005			0.005	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	76			70-130	Pass	
Acenaphthylene	%	74			70-130	Pass	
Anthracene	%	86			70-130	Pass	
Benz(a)anthracene	%	82			70-130	Pass	
Benzo(a)pyrene	%	79			70-130	Pass	
Benzo(b&j)fluoranthene	%	81			70-130	Pass	
Benzo(g.h.i)perylene	%	88			70-130	Pass	
Benzo(k)fluoranthene	%	80			70-130	Pass	
Chrysene	%	81			70-130	Pass	
Dibenz(a.h)anthracene	%	87			70-130	Pass	
Fluoranthene	%	79			70-130	Pass	
Fluorene	%	75			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	88			70-130	Pass	
Naphthalene	%	72			70-130	Pass	
Phenanthrene	%	81			70-130	Pass	
Pyrene	%	80			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
4.4'-DDD	%	76			70-130	Pass	
4.4'-DDE	%	76			70-130	Pass	
4.4'-DDT	%	80			70-130	Pass	
a-BHC	%	88			70-130	Pass	
Aldrin	%	92			70-130	Pass	
d-BHC	%	72			70-130	Pass	
Dieldrin	%	82			70-130	Pass	
Endosulfan I	%	86			70-130	Pass	
Endosulfan II	%	86			70-130	Pass	
Endosulfan sulphate	%	84			70-130	Pass	
Endrin	%	76			70-130	Pass	
Endrin aldehyde	%	86			70-130	Pass	
Endrin ketone	%	90			70-130	Pass	
g-BHC (Lindane)	%	80			70-130	Pass	
Heptachlor	%	92			70-130	Pass	
Heptachlor epoxide	%	86			70-130	Pass	
Hexachlorobenzene	%	72			70-130	Pass	
Methoxychlor	%	86			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	68			30-130	Pass	
2.4-Dichlorophenol	%	67			30-130	Pass	
2.4.5-Trichlorophenol	%	71			30-130	Pass	
2.4.6-Trichlorophenol	%	66			30-130	Pass	
2.6-Dichlorophenol	%	69			30-130	Pass	
4-Chloro-3-methylphenol	%	70			30-130	Pass	
Pentachlorophenol	%	70			30-130	Pass	
Tetrachlorophenols - Total	%	68			30-130	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	%	81			30-130	Pass	
2-Methyl-4.6-dinitrophenol	%	66			30-130	Pass	
2-Methylphenol (o-Cresol)	%	66			30-130	Pass	
2-Nitrophenol	%	69			30-130	Pass	
2.4-Dimethylphenol	%	70			30-130	Pass	
2.4-Dinitrophenol	%	110			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	%	60			30-130	Pass	
4-Nitrophenol	%	33			30-130	Pass	
Dinoseb	%	82			30-130	Pass	
Phenol	%	38			30-130	Pass	
LCS - % Recovery							
Oil & Grease (HEM)	%	95			70-130	Pass	
LCS - % Recovery							
Alkalinity (speciated)							
Total Alkalinity (as CaCO3)	%	89			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	89			70-130	Pass	
Arsenic (filtered)	%	85			70-130	Pass	
Cadmium	%	88			70-130	Pass	
Cadmium (filtered)	%	89			70-130	Pass	
Chromium	%	106			70-130	Pass	
Chromium (filtered)	%	97			70-130	Pass	
Copper	%	111			70-130	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Copper (filtered)			%	98			70-130	Pass	
Lead			%	110			70-130	Pass	
Lead (filtered)			%	98			70-130	Pass	
Mercury			%	101			70-130	Pass	
Mercury (filtered)			%	98			70-130	Pass	
Nickel			%	110			70-130	Pass	
Nickel (filtered)			%	97			70-130	Pass	
Zinc			%	97			70-130	Pass	
Zinc (filtered)			%	91			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Alkalinity (speciated)				Result 1					
Total Alkalinity (as CaCO3)	M18-De09945	NCP	%	125			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic (filtered)	S18-De12993	CP	%	88			70-130	Pass	
Cadmium (filtered)	S18-De12993	CP	%	90			70-130	Pass	
Chromium (filtered)	S18-De12993	CP	%	94			70-130	Pass	
Copper (filtered)	S18-De12993	CP	%	95			70-130	Pass	
Lead (filtered)	S18-De12993	CP	%	95			70-130	Pass	
Mercury (filtered)	S18-De12993	CP	%	96			70-130	Pass	
Nickel (filtered)	S18-De12993	CP	%	96			70-130	Pass	
Zinc (filtered)	S18-De12993	CP	%	91			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
				Result 1	Result 2	RPD			
Oil & Grease (HEM)	S18-De13585	NCP	mg/L	< 10	< 10	<1	30%	Pass	
Duplicate									
Alkalinity (speciated)				Result 1	Result 2	RPD			
Total Alkalinity (as CaCO3)	M18-De09944	NCP	mg/L	< 20	< 20	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S18-De12993	CP	mg/L	0.004	0.003	5.0	30%	Pass	
Arsenic (filtered)	S18-De12993	CP	mg/L	0.003	0.003	11	30%	Pass	
Cadmium (filtered)	S18-De12993	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	S18-De12993	CP	mg/L	0.011	0.010	13	30%	Pass	
Chromium (filtered)	S18-De12993	CP	mg/L	0.009	0.009	2.0	30%	Pass	
Copper	S18-De12993	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper (filtered)	S18-De12993	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead	S18-De12993	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead (filtered)	S18-De12993	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury	S18-De12993	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Mercury (filtered)	S18-De12993	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	S18-De12993	CP	mg/L	0.002	0.002	9.0	30%	Pass	
Nickel (filtered)	S18-De12993	CP	mg/L	0.001	0.001	2.0	30%	Pass	
Zinc	S18-De12993	CP	mg/L	0.008	0.008	5.0	30%	Pass	
Zinc (filtered)	S18-De12993	CP	mg/L	0.007	0.007	4.0	30%	Pass	

Comments

Eurofins | mgt accreditation number 1261, corporate site 1254 and 14271 is currently in progress of a controlled transition to a new custom built location at 6 Monterey Road, Dandenong South, Victoria 3175. All results on this report denoted as being performed by Eurofins | mgt 2-5 Kingston Town Close, Oakleigh Victoria 3166 corporate site 1254, will have been performed on either Oakleigh or new Dandenong South site.

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs

Authorised By

Andrew Black	Analytical Services Manager
Andrew Sullivan	Senior Analyst-Organic (NSW)
Gabriele Cordero	Senior Analyst-Inorganic (NSW)
Gabriele Cordero	Senior Analyst-Metal (NSW)
Julie Kay	Senior Analyst-Inorganic (VIC)

Glenn Jackson

General Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Certificate of Analysis

NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025 – Testing
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

John Holland PL, CPB Contractors P, Ghella PL
Level 3, 140 Sussex Street
Sydney
NSW 2000

Attention:	**Robert Muir**
Report	**638627-W**
Project name	SYDNEY METRO CITY & SOUTHWEST TSE
Received Date	Feb 01, 2019

Client Sample ID			**WL - JAN 19**
Sample Matrix			**Water**
Eurofins | mgt Sample No.			**M19-Fe02161**
Date Sampled			**Jan 31, 2019**
Test/Reference	LOR	Unit	
Total Recoverable Hydrocarbons - 1999 NEPM Fractions			
TRH C6-C9	0.02	mg/L	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1
TRH C10-36 (Total)	0.1	mg/L	< 0.1
BTEX			
Benzene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
o-Xylene	0.001	mg/L	< 0.001
Xylenes - Total	0.003	mg/L	< 0.003
4-Bromofluorobenzene (surr.)	1	%	96
Volatile Organics			
1.1-Dichloroethane	0.001	mg/L	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001
1.3-Dichloropropane	0.001	mg/L	< 0.001
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001
2-Butanone (MEK)	0.001	mg/L	< 0.001
2-Propanone (Acetone)	0.001	mg/L	< 0.001
4-Chlorotoluene	0.001	mg/L	< 0.001
4-Methyl-2-pentanone (MIBK)	0.001	mg/L	< 0.001
Allyl chloride	0.001	mg/L	< 0.001
Benzene	0.001	mg/L	< 0.001

Client Sample ID			**WL - JAN 19**
Sample Matrix			**Water**
Eurofins | mgt Sample No.			**M19-Fe02161**
Date Sampled			**Jan 31, 2019**
Test/Reference	LOR	Unit	
Volatile Organics			
Bromobenzene	0.001	mg/L	< 0.001
Bromochloromethane	0.001	mg/L	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001
Bromoform	0.001	mg/L	< 0.001
Bromomethane	0.001	mg/L	< 0.001
Carbon disulfide	0.001	mg/L	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001
Chloroethane	0.001	mg/L	< 0.001
Chloroform	0.005	mg/L	< 0.005
Chloromethane	0.001	mg/L	< 0.001
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001
Dibromomethane	0.001	mg/L	< 0.001
Dichlorodifluoromethane	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
Iodomethane	0.001	mg/L	< 0.001
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
Methylene Chloride	0.001	mg/L	< 0.001
o-Xylene	0.001	mg/L	< 0.001
Styrene	0.001	mg/L	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001
Trichloroethene	0.001	mg/L	< 0.001
Trichlorofluoromethane	0.001	mg/L	< 0.001
Vinyl chloride	0.001	mg/L	< 0.001
Xylenes - Total	0.003	mg/L	< 0.003
Total MAH*	0.003	mg/L	< 0.003
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005
4-Bromofluorobenzene (surr.)	1	%	96
Toluene-d8 (surr.)	1	%	130
Halogenated Volatile Organics			
1.1-Dichloroethane	0.001	mg/L	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001

Client Sample ID **Sample Matrix** **Eurofins | mgt Sample No.** **Date Sampled** Test/Reference	LOR	Unit	**WL - JAN 19** **Water** **M19-Fe02161** **Jan 31, 2019**
Halogenated Volatile Organics			
1.3-Dichloropropane	0.001	mg/L	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001
Bromoform	0.001	mg/L	< 0.001
Bromomethane	0.001	mg/L	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001
Chloroform	0.005	mg/L	< 0.005
Chloromethane	0.001	mg/L	< 0.001
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001
Dibromomethane	0.001	mg/L	< 0.001
Iodomethane	0.001	mg/L	< 0.001
Methylene Chloride	0.001	mg/L	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001
Trichloroethene	0.001	mg/L	< 0.001
Trichlorofluoromethane	0.001	mg/L	< 0.001
Vinyl chloride	0.001	mg/L	< 0.001
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005
4-Bromofluorobenzene (surr.)	1	%	96
Toluene-d8 (surr.)	1	%	130
Total Recoverable Hydrocarbons - 2013 NEPM Fractions			
Naphthalene^{N02}	0.01	mg/L	< 0.01
TRH C6-C10	0.02	mg/L	< 0.02
TRH C6-C10 less BTEX (F1)^{N04}	0.02	mg/L	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05
TRH >C10-C16 less Naphthalene (F2)^{N01}	0.05	mg/L	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1
Polycyclic Aromatic Hydrocarbons			
Acenaphthene	0.001	mg/L	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001
Anthracene	0.001	mg/L	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001
Benzo(b&j)fluoranthene^{N07}	0.001	mg/L	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001
Chrysene	0.001	mg/L	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001
Fluoranthene	0.001	mg/L	< 0.001
Fluorene	0.001	mg/L	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001
Naphthalene	0.001	mg/L	< 0.001

Client Sample ID **Sample Matrix** **Eurofins | mgt Sample No.** **Date Sampled** Test/Reference	LOR	Unit	**WL - JAN 19** **Water** **M19-Fe02161** **Jan 31, 2019**
Polycyclic Aromatic Hydrocarbons			
Phenanthrene	0.001	mg/L	< 0.001
Pyrene	0.001	mg/L	< 0.001
Total PAH*	0.001	mg/L	< 0.001
2-Fluorobiphenyl (surr.)	1	%	62
p-Terphenyl-d14 (surr.)	1	%	88
Organochlorine Pesticides			
Chlordanes - Total	0.001	mg/L	< 0.001
4.4'-DDD	0.0001	mg/L	< 0.0001
4.4'-DDE	0.0001	mg/L	< 0.0001
4.4'-DDT	0.0001	mg/L	< 0.0001
a-BHC	0.0001	mg/L	< 0.0001
Aldrin	0.0001	mg/L	< 0.0001
b-BHC	0.0001	mg/L	< 0.0001
d-BHC	0.0001	mg/L	< 0.0001
Dieldrin	0.0001	mg/L	< 0.0001
Endosulfan I	0.0001	mg/L	< 0.0001
Endosulfan II	0.0001	mg/L	< 0.0001
Endosulfan sulphate	0.0001	mg/L	< 0.0001
Endrin	0.0001	mg/L	< 0.0001
Endrin aldehyde	0.0001	mg/L	< 0.0001
Endrin ketone	0.0001	mg/L	< 0.0001
g-BHC (Lindane)	0.0001	mg/L	< 0.0001
Heptachlor	0.0001	mg/L	< 0.0001
Heptachlor epoxide	0.0001	mg/L	< 0.0001
Hexachlorobenzene	0.0001	mg/L	< 0.0001
Methoxychlor	0.0001	mg/L	< 0.0001
Toxaphene	0.01	mg/L	< 0.01
Aldrin and Dieldrin (Total)*	0.0001	mg/L	< 0.0001
DDT + DDE + DDD (Total)*	0.0001	mg/L	< 0.0001
Vic EPA IWRG 621 OCP (Total)*	0.001	mg/L	< 0.001
Vic EPA IWRG 621 Other OCP (Total)*	0.001	mg/L	< 0.001
Dibutylchlorendate (surr.)	1	%	103
Tetrachloro-m-xylene (surr.)	1	%	72
Phenols (Halogenated)			
2-Chlorophenol	0.003	mg/L	< 0.003
2.4-Dichlorophenol	0.003	mg/L	< 0.003
2.4.5-Trichlorophenol	0.01	mg/L	< 0.01
2.4.6-Trichlorophenol	0.01	mg/L	< 0.01
2.6-Dichlorophenol	0.003	mg/L	< 0.003
4-Chloro-3-methylphenol	0.01	mg/L	< 0.01
Pentachlorophenol	0.01	mg/L	< 0.01
Tetrachlorophenols - Total	0.03	mg/L	< 0.03
Total Halogenated Phenol*	0.01	mg/L	< 0.01
Phenols (non-Halogenated)			
2-Cyclohexyl-4.6-dinitrophenol	0.1	mg/L	< 0.1
2-Methyl-4.6-dinitrophenol	0.03	mg/L	< 0.03
2-Methylphenol (o-Cresol)	0.003	mg/L	< 0.003
2-Nitrophenol	0.01	mg/L	< 0.01
2.4-Dimethylphenol	0.003	mg/L	< 0.003

Client Sample ID			**WL - JAN 19**
Sample Matrix			**Water**
Eurofins | mgt Sample No.			**M19-Fe02161**
Date Sampled			**Jan 31, 2019**
Test/Reference	LOR	Unit	
Phenols (non-Halogenated)			
2.4-Dinitrophenol	0.03	mg/L	< 0.03
3&4-Methylphenol (m&p-Cresol)	0.006	mg/L	< 0.006
4-Nitrophenol	0.03	mg/L	< 0.03
Dinoseb	0.1	mg/L	< 0.1
Phenol	0.003	mg/L	< 0.003
Total Non-Halogenated Phenol*	0.1	mg/L	< 0.1
Phenol-d6 (surr.)	1	%	66
Oil & Grease (HEM)	10	mg/L	< 10
pH (at 25°C)	0.1	pH Units	6.7
Total Suspended Solids Dried at 103–105°C	1	mg/L	< 1
Turbidity	1	NTU	< 1
Alkalinity (speciated)			
Bicarbonate Alkalinity (as CaCO3)	20	mg/L	26
Carbonate Alkalinity (as CaCO3)	10	mg/L	< 10
Hydroxide Alkalinity (as CaCO3)	20	mg/L	< 20
Total Alkalinity (as CaCO3)	20	mg/L	26
Heavy Metals			
Arsenic	0.001	mg/L	0.005
Arsenic (filtered)	0.001	mg/L	0.004
Cadmium	0.0002	mg/L	< 0.0002
Cadmium (filtered)	0.0002	mg/L	< 0.0002
Chromium	0.001	mg/L	0.002
Chromium (filtered)	0.001	mg/L	< 0.001
Copper	0.001	mg/L	< 0.001
Copper (filtered)	0.001	mg/L	< 0.001
Lead	0.001	mg/L	< 0.001
Lead (filtered)	0.001	mg/L	< 0.001
Mercury	0.0001	mg/L	< 0.0001
Mercury (filtered)	0.0001	mg/L	< 0.0001
Nickel	0.001	mg/L	0.003
Nickel (filtered)	0.001	mg/L	0.003
Zinc	0.005	mg/L	0.009
Zinc (filtered)	0.005	mg/L	0.009

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Melbourne	Feb 06, 2019	7 Day
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Feb 05, 2019	7 Day
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Feb 06, 2019	7 Day
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Melbourne	Feb 05, 2019	14 Day
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Volatile Organics	Melbourne	Feb 05, 2019	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Halogenated Volatile Organics	Melbourne	Feb 05, 2019	7 Day
- Method: USEPA 8260 MGT 350A Halogenated Volatile Organics			
Polycyclic Aromatic Hydrocarbons	Melbourne	Feb 06, 2019	7 Day
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Organochlorine Pesticides	Melbourne	Feb 06, 2019	7 Day
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Oil & Grease (HEM)	Melbourne	Feb 05, 2019	28 Day
- Method: APHA 5520B Oil & Grease			
pH (at 25°C)	Melbourne	Feb 05, 2019	0 Hours
- Method: LTM-GEN-7090 pH in water by ISE			
Total Suspended Solids Dried at 103–105°C	Melbourne	Feb 05, 2019	7 Days
- Method: LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry			
Turbidity	Melbourne	Feb 08, 2019	2 Day
- Method: Turbidity by classical using APHA 2130B (LTM-INO-4140)			
Alkalinity (speciated)	Melbourne	Feb 12, 2019	14 Day
- Method: APHA 2320 Alkalinity by Titration			
Metals M8	Melbourne	Feb 06, 2019	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Metals M8 filtered	Melbourne	Feb 05, 2019	28 Day
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Phenols (IWRG 621)			
Phenols (Halogenated)	Melbourne	Feb 06, 2019	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Melbourne	Feb 06, 2019	7 Day
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			

Company Name:	John Holland CPB Ghella JV	**Order No.:**		**Received:**	Feb 1, 2019 5:35 PM
Address:	Level 3, 140 Sussex Street Sydney NSW 2000	**Report #:**	638627	**Due:**	Feb 11, 2019
		Phone:	02 9276 7800	**Priority:**	5 Day
		Fax:		**Contact Name:**	Robert Muir
Project Name:	SYDNEY METRO CITY & SOUTHWEST TSE				

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Oil & Grease (HEM)	pH (at 25°C)	Total Suspended Solids Dried at 103–105°C	Turbidity	Polycyclic Aromatic Hydrocarbons	Organochlorine Pesticides	Alkalinity (speciated)	Metals M8	Metals M8 filtered	Phenols (IWRG 621)	BTEX	Volatile Organics	Halogenated Volatile Organics	Total Recoverable Hydrocarbons
Melbourne Laboratory - NATA Site # 1254 & 14271						X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site # 18217																			
Brisbane Laboratory - NATA Site # 20794																			
Perth Laboratory - NATA Site # 23736																			
External Laboratory																			
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**														
1	WL - JAN 19	Jan 31, 2019	4:30PM	Water	M19-Fe02161	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Test Counts						1	1	1	1	1	1	1	1	1	1	1	1	1	1

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure, April 2011 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

****NOTE:** pH duplicates are reported as a range NOT as RPD

Units

mg/kg: milligrams per kilogram	**mg/L:** milligrams per litre	**ug/L:** micrograms per litre
ppm: Parts per million	**ppb:** Parts per billion	**%:** Percentage
org/100mL: Organisms per 100 millilitres	**NTU:** Nephelometric Turbidity Units	**MPN/100mL:** Most Probable Number of organisms per 100 millilitres

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery.
CRM	Certified Reference Material - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
QSM	US Department of Defense Quality Systems Manual Version 5.2 2018
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries: Recoveries must lie between 50-150%-Phenols & PFASs

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.2 where no positive PFAS results have been reported have been reviewed and no data was affected.

WA DWER (n=10): PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling.Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
9. For Matrix Spikes and LCS results a dash " -" in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total	mg/L	< 0.003			0.003	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	
1.1.1-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.1.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dibromoethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.2-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.3-Trichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.4-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.3.5-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.4-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
2-Butanone (MEK)	mg/L	< 0.001			0.001	Pass	
2-Propanone (Acetone)	mg/L	< 0.001			0.001	Pass	
4-Chlorotoluene	mg/L	< 0.001			0.001	Pass	
4-Methyl-2-pentanone (MIBK)	mg/L	< 0.001			0.001	Pass	
Allyl chloride	mg/L	< 0.001			0.001	Pass	
Bromobenzene	mg/L	< 0.001			0.001	Pass	
Bromochloromethane	mg/L	< 0.001			0.001	Pass	
Bromodichloromethane	mg/L	< 0.001			0.001	Pass	
Bromoform	mg/L	< 0.001			0.001	Pass	
Bromomethane	mg/L	< 0.001			0.001	Pass	
Carbon disulfide	mg/L	< 0.001			0.001	Pass	
Carbon Tetrachloride	mg/L	< 0.001			0.001	Pass	
Chlorobenzene	mg/L	< 0.001			0.001	Pass	
Chloroethane	mg/L	< 0.001			0.001	Pass	
Chloroform	mg/L	< 0.005			0.005	Pass	
Chloromethane	mg/L	< 0.001			0.001	Pass	
cis-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
cis-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Dibromochloromethane	mg/L	< 0.001			0.001	Pass	
Dibromomethane	mg/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Dichlorodifluoromethane	mg/L	< 0.001			0.001	Pass	
Iodomethane	mg/L	< 0.001			0.001	Pass	
Isopropyl benzene (Cumene)	mg/L	< 0.001			0.001	Pass	
Methylene Chloride	mg/L	< 0.001			0.001	Pass	
Styrene	mg/L	< 0.001			0.001	Pass	
Tetrachloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Trichloroethene	mg/L	< 0.001			0.001	Pass	
Trichlorofluoromethane	mg/L	< 0.001			0.001	Pass	
Vinyl chloride	mg/L	< 0.001			0.001	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/L	< 0.01			0.01	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g.h.i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a.h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1.2.3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/L	< 0.001			0.001	Pass	
4.4'-DDD	mg/L	< 0.0001			0.0001	Pass	
4.4'-DDE	mg/L	< 0.0001			0.0001	Pass	
4.4'-DDT	mg/L	< 0.0001			0.0001	Pass	
a-BHC	mg/L	< 0.0001			0.0001	Pass	
Aldrin	mg/L	< 0.0001			0.0001	Pass	
b-BHC	mg/L	< 0.0001			0.0001	Pass	
d-BHC	mg/L	< 0.0001			0.0001	Pass	
Dieldrin	mg/L	< 0.0001			0.0001	Pass	
Endosulfan I	mg/L	< 0.0001			0.0001	Pass	
Endosulfan II	mg/L	< 0.0001			0.0001	Pass	
Endosulfan sulphate	mg/L	< 0.0001			0.0001	Pass	
Endrin	mg/L	< 0.0001			0.0001	Pass	
Endrin aldehyde	mg/L	< 0.0001			0.0001	Pass	
Endrin ketone	mg/L	< 0.0001			0.0001	Pass	
g-BHC (Lindane)	mg/L	< 0.0001			0.0001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heptachlor	mg/L	< 0.0001			0.0001	Pass	
Heptachlor epoxide	mg/L	< 0.0001			0.0001	Pass	
Hexachlorobenzene	mg/L	< 0.0001			0.0001	Pass	
Methoxychlor	mg/L	< 0.0001			0.0001	Pass	
Toxaphene	mg/L	< 0.01			0.01	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/L	< 0.003			0.003	Pass	
2.4-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
2.4.5-Trichlorophenol	mg/L	< 0.01			0.01	Pass	
2.4.6-Trichlorophenol	mg/L	< 0.01			0.01	Pass	
2.6-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
4-Chloro-3-methylphenol	mg/L	< 0.01			0.01	Pass	
Pentachlorophenol	mg/L	< 0.01			0.01	Pass	
Tetrachlorophenols - Total	mg/L	< 0.03			0.03	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	mg/L	< 0.1			0.1	Pass	
2-Methyl-4.6-dinitrophenol	mg/L	< 0.03			0.03	Pass	
2-Methylphenol (o-Cresol)	mg/L	< 0.003			0.003	Pass	
2-Nitrophenol	mg/L	< 0.01			0.01	Pass	
2.4-Dimethylphenol	mg/L	< 0.003			0.003	Pass	
2.4-Dinitrophenol	mg/L	< 0.03			0.03	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/L	< 0.006			0.006	Pass	
4-Nitrophenol	mg/L	< 0.03			0.03	Pass	
Dinoseb	mg/L	< 0.1			0.1	Pass	
Phenol	mg/L	< 0.003			0.003	Pass	
Method Blank							
Oil & Grease (HEM)	mg/L	< 10			10	Pass	
Total Suspended Solids Dried at 103–105°C	mg/L	< 1			1	Pass	
Turbidity	NTU	< 1			1	Pass	
Method Blank							
Alkalinity (speciated)							
Bicarbonate Alkalinity (as CaCO3)	mg/L	< 20			20	Pass	
Carbonate Alkalinity (as CaCO3)	mg/L	< 10			10	Pass	
Hydroxide Alkalinity (as CaCO3)	mg/L	< 20			20	Pass	
Total Alkalinity (as CaCO3)	mg/L	< 20			20	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/L	< 0.001			0.001	Pass	
Arsenic (filtered)	mg/L	< 0.001			0.001	Pass	
Cadmium	mg/L	< 0.0002			0.0002	Pass	
Cadmium (filtered)	mg/L	< 0.0002			0.0002	Pass	
Chromium	mg/L	< 0.001			0.001	Pass	
Chromium (filtered)	mg/L	< 0.001			0.001	Pass	
Copper	mg/L	< 0.001			0.001	Pass	
Copper (filtered)	mg/L	< 0.001			0.001	Pass	
Lead	mg/L	< 0.001			0.001	Pass	
Lead (filtered)	mg/L	< 0.001			0.001	Pass	
Mercury	mg/L	< 0.0001			0.0001	Pass	
Mercury (filtered)	mg/L	< 0.0001			0.0001	Pass	
Nickel	mg/L	< 0.001			0.001	Pass	
Nickel (filtered)	mg/L	< 0.001			0.001	Pass	
Zinc	mg/L	< 0.005			0.005	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Zinc (filtered)	mg/L	< 0.005			0.005	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	95			70-130	Pass	
TRH C10-C14	%	129			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	104			70-130	Pass	
Toluene	%	123			70-130	Pass	
Ethylbenzene	%	101			70-130	Pass	
m&p-Xylenes	%	100			70-130	Pass	
Xylenes - Total	%	100			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1.1-Trichloroethane	%	79			70-130	Pass	
1.2-Dichlorobenzene	%	95			70-130	Pass	
1.2-Dichloroethane	%	96			70-130	Pass	
Trichloroethene	%	82			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	75			70-130	Pass	
TRH C6-C10	%	98			70-130	Pass	
TRH >C10-C16	%	128			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	124			70-130	Pass	
Acenaphthylene	%	113			70-130	Pass	
Anthracene	%	82			70-130	Pass	
Benz(a)anthracene	%	119			70-130	Pass	
Benzo(a)pyrene	%	94			70-130	Pass	
Benzo(b&j)fluoranthene	%	122			70-130	Pass	
Benzo(g.h.i)perylene	%	103			70-130	Pass	
Benzo(k)fluoranthene	%	121			70-130	Pass	
Chrysene	%	92			70-130	Pass	
Dibenz(a.h)anthracene	%	114			70-130	Pass	
Fluoranthene	%	127			70-130	Pass	
Fluorene	%	120			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	113			70-130	Pass	
Naphthalene	%	106			70-130	Pass	
Phenanthrene	%	121			70-130	Pass	
Pyrene	%	129			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	104			70-130	Pass	
4.4'-DDD	%	76			70-130	Pass	
4.4'-DDE	%	94			70-130	Pass	
4.4'-DDT	%	70			70-130	Pass	
a-BHC	%	75			70-130	Pass	
Aldrin	%	98			70-130	Pass	
b-BHC	%	118			70-130	Pass	
d-BHC	%	88			70-130	Pass	
Dieldrin	%	76			70-130	Pass	
Endosulfan I	%	106			70-130	Pass	
Endosulfan II	%	104			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endosulfan sulphate	%	92			70-130	Pass	
Endrin	%	90			70-130	Pass	
Endrin aldehyde	%	91			70-130	Pass	
Endrin ketone	%	79			70-130	Pass	
g-BHC (Lindane)	%	109			70-130	Pass	
Heptachlor	%	83			70-130	Pass	
Heptachlor epoxide	%	86			70-130	Pass	
Hexachlorobenzene	%	85			70-130	Pass	
Methoxychlor	%	97			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	111			30-130	Pass	
2.4-Dichlorophenol	%	114			30-130	Pass	
2.4.5-Trichlorophenol	%	107			30-130	Pass	
2.4.6-Trichlorophenol	%	83			30-130	Pass	
2.6-Dichlorophenol	%	114			30-130	Pass	
4-Chloro-3-methylphenol	%	76			30-130	Pass	
Pentachlorophenol	%	103			30-130	Pass	
Tetrachlorophenols - Total	%	128			30-130	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	%	88			30-130	Pass	
2-Methyl-4.6-dinitrophenol	%	117			30-130	Pass	
2-Methylphenol (o-Cresol)	%	86			30-130	Pass	
2-Nitrophenol	%	115			30-130	Pass	
2.4-Dimethylphenol	%	102			30-130	Pass	
2.4-Dinitrophenol	%	78			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	%	88			30-130	Pass	
4-Nitrophenol	%	102			30-130	Pass	
Dinoseb	%	125			30-130	Pass	
Phenol	%	70			30-130	Pass	
LCS - % Recovery							
Oil & Grease (HEM)	%	82			70-130	Pass	
Total Suspended Solids Dried at 103–105°C	%	110			70-130	Pass	
LCS - % Recovery							
Alkalinity (speciated)							
Carbonate Alkalinity (as CaCO3)	%	90			70-130	Pass	
Total Alkalinity (as CaCO3)	%	96			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	81			80-120	Pass	
Arsenic (filtered)	%	81			80-120	Pass	
Cadmium	%	85			80-120	Pass	
Cadmium (filtered)	%	85			80-120	Pass	
Chromium	%	86			80-120	Pass	
Chromium (filtered)	%	86			80-120	Pass	
Copper	%	85			80-120	Pass	
Copper (filtered)	%	85			80-120	Pass	
Lead	%	87			80-120	Pass	
Lead (filtered)	%	87			80-120	Pass	
Mercury	%	86			75-125	Pass	
Mercury (filtered)	%	86			70-130	Pass	
Nickel	%	85			80-120	Pass	
Nickel (filtered)	%	85			80-120	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Zinc			%	86			80-120	Pass	
Zinc (filtered)			%	86			80-120	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1					
TRH C6-C9	M19-Fe09232	NCP	%	102			70-130	Pass	
TRH C10-C14	B19-Fe04433	NCP	%	71			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	M19-Fe09232	NCP	%	79			70-130	Pass	
Toluene	M19-Fe09232	NCP	%	99			70-130	Pass	
Ethylbenzene	M19-Fe09232	NCP	%	116			70-130	Pass	
m&p-Xylenes	M19-Fe09232	NCP	%	111			70-130	Pass	
o-Xylene	M19-Fe09232	NCP	%	121			70-130	Pass	
Xylenes - Total	M19-Fe09232	NCP	%	115			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
Naphthalene	M19-Fe09232	NCP	%	120			70-130	Pass	
TRH C6-C10	M19-Fe09232	NCP	%	104			70-130	Pass	
TRH >C10-C16	B19-Fe04433	NCP	%	77			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	S19-Fe04348	NCP	%	98			70-130	Pass	
Acenaphthylene	S19-Fe04348	NCP	%	92			70-130	Pass	
Anthracene	S19-Fe04348	NCP	%	100			70-130	Pass	
Benz(a)anthracene	S19-Fe04348	NCP	%	87			70-130	Pass	
Benzo(a)pyrene	S19-Fe04348	NCP	%	91			70-130	Pass	
Benzo(b&j)fluoranthene	S19-Fe04348	NCP	%	72			70-130	Pass	
Benzo(g.h.i)perylene	S19-Fe04348	NCP	%	74			70-130	Pass	
Benzo(k)fluoranthene	S19-Fe04348	NCP	%	84			70-130	Pass	
Chrysene	S19-Fe04348	NCP	%	101			70-130	Pass	
Dibenz(a.h)anthracene	S19-Fe04348	NCP	%	74			70-130	Pass	
Fluoranthene	S19-Fe04348	NCP	%	99			70-130	Pass	
Fluorene	S19-Fe04348	NCP	%	110			70-130	Pass	
Indeno(1.2.3-cd)pyrene	S19-Fe04348	NCP	%	72			70-130	Pass	
Naphthalene	S19-Fe04348	NCP	%	93			70-130	Pass	
Phenanthrene	S19-Fe04348	NCP	%	100			70-130	Pass	
Pyrene	S19-Fe04348	NCP	%	104			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	S19-Fe04348	NCP	%	128			70-130	Pass	
4.4'-DDD	S19-Fe04348	NCP	%	81			70-130	Pass	
4.4'-DDE	S19-Fe04348	NCP	%	127			70-130	Pass	
4.4'-DDT	S19-Fe04348	NCP	%	107			70-130	Pass	
a-BHC	S19-Fe04348	NCP	%	114			70-130	Pass	
Aldrin	S19-Fe04348	NCP	%	119			70-130	Pass	
b-BHC	S19-Fe04348	NCP	%	124			70-130	Pass	
d-BHC	S19-Fe04348	NCP	%	107			70-130	Pass	
Dieldrin	S19-Fe04348	NCP	%	128			70-130	Pass	
Endosulfan I	S19-Fe04348	NCP	%	108			70-130	Pass	
Endosulfan II	S19-Fe04348	NCP	%	91			70-130	Pass	
Endosulfan sulphate	S19-Fe04348	NCP	%	112			70-130	Pass	
Endrin	S19-Fe04348	NCP	%	114			70-130	Pass	
Endrin aldehyde	S19-Fe04348	NCP	%	115			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin ketone	S19-Fe04348	NCP	%	104			70-130	Pass	
g-BHC (Lindane)	S19-Fe04348	NCP	%	123			70-130	Pass	
Heptachlor	S19-Fe04348	NCP	%	107			70-130	Pass	
Heptachlor epoxide	S19-Fe04348	NCP	%	103			70-130	Pass	
Hexachlorobenzene	S19-Fe04348	NCP	%	119			70-130	Pass	
Methoxychlor	M19-Ja28008	NCP	%	85			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2-Chlorophenol	S19-Fe04348	NCP	%	92			30-130	Pass	
2.4-Dichlorophenol	S19-Fe04348	NCP	%	80			30-130	Pass	
2.4.5-Trichlorophenol	S19-Fe04348	NCP	%	94			30-130	Pass	
2.4.6-Trichlorophenol	S19-Fe04348	NCP	%	77			30-130	Pass	
2.6-Dichlorophenol	S19-Fe04348	NCP	%	99			30-130	Pass	
4-Chloro-3-methylphenol	S19-Fe04348	NCP	%	100			30-130	Pass	
Pentachlorophenol	S19-Fe04348	NCP	%	88			30-130	Pass	
Tetrachlorophenols - Total	S19-Fe04348	NCP	%	107			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Cyclohexyl-4.6-dinitrophenol	S19-Fe04348	NCP	%	83			30-130	Pass	
2-Methyl-4.6-dinitrophenol	S19-Fe04348	NCP	%	113			30-130	Pass	
2-Methylphenol (o-Cresol)	S19-Fe04348	NCP	%	77			30-130	Pass	
2-Nitrophenol	S19-Fe04348	NCP	%	102			30-130	Pass	
2.4-Dimethylphenol	S19-Fe04348	NCP	%	57			30-130	Pass	
2.4-Dinitrophenol	S19-Fe04348	NCP	%	67			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	S19-Fe04348	NCP	%	85			30-130	Pass	
4-Nitrophenol	S19-Fe04348	NCP	%	117			30-130	Pass	
Dinoseb	S19-Fe04348	NCP	%	95			30-130	Pass	
Phenol	S19-Fe04348	NCP	%	51			30-130	Pass	
Spike - % Recovery									
Alkalinity (speciated)				Result 1					
Total Alkalinity (as CaCO3)	M19-Fe02432	NCP	%	85			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M18-Se35874	NCP	%	106			75-125	Pass	
Arsenic (filtered)	P18-Se37260	NCP	%	104			70-130	Pass	
Cadmium	M18-Se35874	NCP	%	97			75-125	Pass	
Cadmium (filtered)	P18-Se37260	NCP	%	103			70-130	Pass	
Chromium	M18-Se35874	NCP	%	102			75-125	Pass	
Chromium (filtered)	P18-Se37260	NCP	%	105			70-130	Pass	
Copper	M18-Se35874	NCP	%	96			75-125	Pass	
Copper (filtered)	P18-Se37260	NCP	%	101			70-130	Pass	
Lead	M18-Se35874	NCP	%	95			75-125	Pass	
Lead (filtered)	P18-Se37260	NCP	%	100			70-130	Pass	
Mercury	M18-Se35874	NCP	%	98			70-130	Pass	
Mercury (filtered)	P18-Se37260	NCP	%	98			70-130	Pass	
Nickel	M18-Se35874	NCP	%	101			75-125	Pass	
Nickel (filtered)	P18-Se37260	NCP	%	105			70-130	Pass	
Zinc	M18-Se35874	NCP	%	100			75-125	Pass	
Zinc (filtered)	P18-Se37260	NCP	%	53			70-130	Fail	Q08

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	M19-Fe07695	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C10-C14	M19-Fe01509	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH C15-C28	M19-Fe01509	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH C29-C36	M19-Fe01509	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M19-Fe07695	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	M19-Fe07695	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	M19-Fe07695	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	M19-Fe07695	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	M19-Fe07695	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total	M19-Fe07695	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	M19-Fe07695	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
TRH C6-C10	M19-Fe07695	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH >C10-C16	M19-Fe01509	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
TRH >C16-C34	M19-Fe01509	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
TRH >C34-C40	M19-Fe01509	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Acenaphthylene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Anthracene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benz(a)anthracene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(a)pyrene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(b&j)fluoranthene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(g.h.i)perylene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Benzo(k)fluoranthene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chrysene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Dibenz(a.h)anthracene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluoranthene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Fluorene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Indeno(1.2.3-cd)pyrene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Naphthalene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Phenanthrene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Pyrene	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Chlordanes - Total	M19-Ja27089	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
4.4'-DDD	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
4.4'-DDE	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
4.4'-DDT	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
a-BHC	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Aldrin	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
b-BHC	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
d-BHC	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Dieldrin	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Endosulfan I	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Endosulfan II	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Endosulfan sulphate	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Endrin	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	

Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
Endrin aldehyde	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Endrin ketone	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
g-BHC (Lindane)	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Heptachlor	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Heptachlor epoxide	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Hexachlorobenzene	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Methoxychlor	M19-Ja27089	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Duplicate									
Phenols (Halogenated)				Result 1	Result 2	RPD			
2-Chlorophenol	M19-Ja27089	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
2.4-Dichlorophenol	M19-Ja27089	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
2.4.5-Trichlorophenol	M19-Ja27089	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
2.4.6-Trichlorophenol	M19-Ja27089	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
2.6-Dichlorophenol	M19-Ja27089	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
4-Chloro-3-methylphenol	M19-Ja27089	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Pentachlorophenol	M19-Ja27089	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Tetrachlorophenols - Total	M19-Ja27089	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
Duplicate									
Phenols (non-Halogenated)				Result 1	Result 2	RPD			
2-Cyclohexyl-4.6-dinitrophenol	M19-Ja27089	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
2-Methyl-4.6-dinitrophenol	M19-Ja27089	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
2-Methylphenol (o-Cresol)	M19-Ja27089	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
2-Nitrophenol	M19-Ja27089	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
2.4-Dimethylphenol	M19-Ja27089	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
2.4-Dinitrophenol	M19-Ja27089	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
3&4-Methylphenol (m&p-Cresol)	M19-Ja27089	NCP	mg/L	< 0.006	< 0.006	<1	30%	Pass	
4-Nitrophenol	M19-Ja27089	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass	
Dinoseb	M19-Ja27089	NCP	mg/L	< 0.1	< 0.1	<1	30%	Pass	
Phenol	M19-Ja27089	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Oil & Grease (HEM)	S19-Fe03104	NCP	mg/L	< 10	< 10	<1	30%	Pass	
pH (at 25°C)	M19-Fe02431	NCP	pH Units	6.9	6.8	pass	30%	Pass	
Total Suspended Solids Dried at 103–105°C	M19-Fe02410	NCP	mg/L	3.6	2.8	25	30%	Pass	
Turbidity	M19-Fe04535	NCP	NTU	5.2	5.3	1.0	30%	Pass	
Duplicate									
Alkalinity (speciated)				Result 1	Result 2	RPD			
Bicarbonate Alkalinity (as CaCO3)	M19-Fe02431	NCP	mg/L	70	68	3.0	30%	Pass	
Carbonate Alkalinity (as CaCO3)	M19-Fe02431	NCP	mg/L	< 10	< 10	<1	30%	Pass	
Hydroxide Alkalinity (as CaCO3)	M19-Fe02431	NCP	mg/L	< 20	< 20	<1	30%	Pass	
Total Alkalinity (as CaCO3)	M19-Fe02431	NCP	mg/L	70	68	3.0	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M18-Se35874	NCP	mg/L	0.001	0.002	4.0	30%	Pass	
Arsenic (filtered)	P18-Se37260	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium	M18-Se35874	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Cadmium (filtered)	P18-Se37260	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	M18-Se35874	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Chromium (filtered)	P18-Se37260	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper	M18-Se35874	NCP	mg/L	0.003	0.003	18	30%	Pass	
Copper (filtered)	P18-Se37260	NCP	mg/L	0.003	0.003	<1	30%	Pass	
Lead	M18-Se35874	NCP	mg/L	< 0.001	0.002	140	30%	Fail	Q15
Lead (filtered)	P18-Se37260	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Mercury	M18-Se35874	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Mercury (filtered)	P18-Se37260	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	M18-Se35874	NCP	mg/L	0.020	0.019	1.0	30%	Pass	
Nickel (filtered)	P18-Se37260	NCP	mg/L	0.003	0.003	5.0	30%	Pass	
Zinc	M18-Se35874	NCP	mg/L	0.008	0.009	19	30%	Pass	
Zinc (filtered)	P18-Se37260	NCP	mg/L	0.077	0.076	1.0	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	No
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference
Q15	The RPD reported passes Eurofins | mgt's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised By

Nibha Vaidya	Analytical Services Manager
Emily Rosenberg	Senior Analyst-Metal (VIC)
Harry Bacalis	Senior Analyst-Volatile (VIC)
Joseph Edouard	Senior Analyst-Organic (VIC)
Julie Kay	Senior Analyst-Inorganic (VIC)

Glenn Jackson
General Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Certificate of Analysis

NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

John Holland PL, CPB Contractors P, Ghella PL
Level 3, 140 Sussex Street
Sydney
NSW 2000

Attention:	**Robert Muir**
Report	**652729-W**
Project name	SYDNEY METRO CITY & SOUTHWEST TSE
Received Date	Apr 29, 2019

Client Sample ID **Sample Matrix** **Eurofins | mgt Sample No.** **Date Sampled** Test/Reference	LOR	Unit	**WL - APR 19** **Water** **S19-Ap38343** **Apr 29, 2019**
Total Recoverable Hydrocarbons - 1999 NEPM Fractions			
TRH C6-C9	0.02	mg/L	< 0.02
TRH C10-C14	0.05	mg/L	< 0.05
TRH C15-C28	0.1	mg/L	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1
TRH C10-36 (Total)	0.1	mg/L	< 0.1
BTEX			
Benzene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
o-Xylene	0.001	mg/L	< 0.001
Xylenes - Total	0.003	mg/L	< 0.003
4-Bromofluorobenzene (surr.)	1	%	101
Volatile Organics			
1.1-Dichloroethane	0.001	mg/L	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001
1.2.4-Trimethylbenzene	0.001	mg/L	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001
1.3-Dichloropropane	0.001	mg/L	< 0.001
1.3.5-Trimethylbenzene	0.001	mg/L	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001
2-Butanone (MEK)	0.001	mg/L	< 0.001
2-Propanone (Acetone)	0.001	mg/L	< 0.001
4-Chlorotoluene	0.001	mg/L	< 0.001
4-Methyl-2-pentanone (MIBK)	0.001	mg/L	< 0.001
Allyl chloride	0.001	mg/L	< 0.001
Benzene	0.001	mg/L	< 0.001

Client Sample ID **Sample Matrix** **Eurofins | mgt Sample No.** **Date Sampled** Test/Reference	LOR	Unit	**WL - APR 19** **Water** **S19-Ap38343** **Apr 29, 2019**
Volatile Organics			
Bromobenzene	0.001	mg/L	< 0.001
Bromochloromethane	0.001	mg/L	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001
Bromoform	0.001	mg/L	< 0.001
Bromomethane	0.001	mg/L	< 0.001
Carbon disulfide	0.001	mg/L	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001
Chloroethane	0.001	mg/L	< 0.001
Chloroform	0.005	mg/L	< 0.005
Chloromethane	0.001	mg/L	< 0.001
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001
Dibromomethane	0.001	mg/L	< 0.001
Dichlorodifluoromethane	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
Iodomethane	0.001	mg/L	< 0.001
Isopropyl benzene (Cumene)	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
Methylene Chloride	0.001	mg/L	< 0.001
o-Xylene	0.001	mg/L	< 0.001
Styrene	0.001	mg/L	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001
Trichloroethene	0.001	mg/L	< 0.001
Trichlorofluoromethane	0.001	mg/L	< 0.001
Vinyl chloride	0.001	mg/L	< 0.001
Xylenes - Total	0.003	mg/L	< 0.003
Total MAH*	0.003	mg/L	< 0.003
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005
4-Bromofluorobenzene (surr.)	1	%	101
Toluene-d8 (surr.)	1	%	94
Halogenated Volatile Organics			
1.1-Dichloroethane	0.001	mg/L	< 0.001
1.1-Dichloroethene	0.001	mg/L	< 0.001
1.1.1-Trichloroethane	0.001	mg/L	< 0.001
1.1.1.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.1.2-Trichloroethane	0.001	mg/L	< 0.001
1.1.2.2-Tetrachloroethane	0.001	mg/L	< 0.001
1.2-Dibromoethane	0.001	mg/L	< 0.001
1.2-Dichlorobenzene	0.001	mg/L	< 0.001
1.2-Dichloroethane	0.001	mg/L	< 0.001
1.2-Dichloropropane	0.001	mg/L	< 0.001
1.2.3-Trichloropropane	0.001	mg/L	< 0.001
1.3-Dichlorobenzene	0.001	mg/L	< 0.001

Client Sample ID			**WL - APR 19**
Sample Matrix			**Water**
Eurofins | mgt Sample No.			**S19-Ap38343**
Date Sampled			**Apr 29, 2019**
Test/Reference	LOR	Unit	
Halogenated Volatile Organics			
1.3-Dichloropropane	0.001	mg/L	< 0.001
1.4-Dichlorobenzene	0.001	mg/L	< 0.001
Bromodichloromethane	0.001	mg/L	< 0.001
Bromoform	0.001	mg/L	< 0.001
Bromomethane	0.001	mg/L	< 0.001
Carbon Tetrachloride	0.001	mg/L	< 0.001
Chlorobenzene	0.001	mg/L	< 0.001
Chloroform	0.005	mg/L	< 0.005
Chloromethane	0.001	mg/L	< 0.001
cis-1.2-Dichloroethene	0.001	mg/L	< 0.001
cis-1.3-Dichloropropene	0.001	mg/L	< 0.001
Dibromochloromethane	0.001	mg/L	< 0.001
Dibromomethane	0.001	mg/L	< 0.001
Iodomethane	0.001	mg/L	< 0.001
Methylene Chloride	0.001	mg/L	< 0.001
Tetrachloroethene	0.001	mg/L	< 0.001
trans-1.2-Dichloroethene	0.001	mg/L	< 0.001
trans-1.3-Dichloropropene	0.001	mg/L	< 0.001
Trichloroethene	0.001	mg/L	< 0.001
Trichlorofluoromethane	0.001	mg/L	< 0.001
Vinyl chloride	0.001	mg/L	< 0.001
Vic EPA IWRG 621 CHC (Total)*	0.005	mg/L	< 0.005
Vic EPA IWRG 621 Other CHC (Total)*	0.005	mg/L	< 0.005
4-Bromofluorobenzene (surr.)	1	%	101
Toluene-d8 (surr.)	1	%	94
Total Recoverable Hydrocarbons - 2013 NEPM Fractions			
Naphthalene[N02]	0.01	mg/L	< 0.01
TRH C6-C10	0.02	mg/L	< 0.02
TRH C6-C10 less BTEX (F1)[N04]	0.02	mg/L	< 0.02
TRH >C10-C16	0.05	mg/L	< 0.05
TRH >C10-C16 less Naphthalene (F2)[N01]	0.05	mg/L	< 0.05
TRH >C16-C34	0.1	mg/L	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	< 0.1
Polycyclic Aromatic Hydrocarbons			
Acenaphthene	0.001	mg/L	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001
Anthracene	0.001	mg/L	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001
Benzo(b&j)fluoranthene[N07]	0.001	mg/L	< 0.001
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001
Chrysene	0.001	mg/L	< 0.001
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001
Fluoranthene	0.001	mg/L	< 0.001
Fluorene	0.001	mg/L	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001
Naphthalene	0.001	mg/L	< 0.001

Client Sample ID			**WL - APR 19**
Sample Matrix			**Water**
Eurofins | mgt Sample No.			**S19-Ap38343**
Date Sampled			**Apr 29, 2019**
Test/Reference	LOR	Unit	
Polycyclic Aromatic Hydrocarbons			
Phenanthrene	0.001	mg/L	< 0.001
Pyrene	0.001	mg/L	< 0.001
Total PAH*	0.001	mg/L	< 0.001
2-Fluorobiphenyl (surr.)	1	%	62
p-Terphenyl-d14 (surr.)	1	%	68
Organochlorine Pesticides			
Chlordanes - Total	0.001	mg/L	< 0.001
4.4'-DDD	0.0001	mg/L	< 0.0001
4.4'-DDE	0.0001	mg/L	< 0.0001
4.4'-DDT	0.0001	mg/L	< 0.0001
a-BHC	0.0001	mg/L	< 0.0001
Aldrin	0.0001	mg/L	< 0.0001
b-BHC	0.0001	mg/L	< 0.0001
d-BHC	0.0001	mg/L	< 0.0001
Dieldrin	0.0001	mg/L	< 0.0001
Endosulfan I	0.0001	mg/L	< 0.0001
Endosulfan II	0.0001	mg/L	< 0.0001
Endosulfan sulphate	0.0001	mg/L	< 0.0001
Endrin	0.0001	mg/L	< 0.0001
Endrin aldehyde	0.0001	mg/L	< 0.0001
Endrin ketone	0.0001	mg/L	< 0.0001
g-BHC (Lindane)	0.0001	mg/L	< 0.0001
Heptachlor	0.0001	mg/L	< 0.0001
Heptachlor epoxide	0.0001	mg/L	< 0.0001
Hexachlorobenzene	0.0001	mg/L	< 0.0001
Methoxychlor	0.0001	mg/L	< 0.0001
Toxaphene	0.01	mg/L	< 0.01
Aldrin and Dieldrin (Total)*	0.0001	mg/L	< 0.0001
DDT + DDE + DDD (Total)*	0.0001	mg/L	< 0.0001
Vic EPA IWRG 621 OCP (Total)*	0.001	mg/L	< 0.001
Vic EPA IWRG 621 Other OCP (Total)*	0.001	mg/L	< 0.001
Dibutylchlorendate (surr.)	1	%	80
Tetrachloro-m-xylene (surr.)	1	%	74
Phenols (Halogenated)			
2-Chlorophenol	0.003	mg/L	< 0.003
2.4-Dichlorophenol	0.003	mg/L	< 0.003
2.4.5-Trichlorophenol	0.01	mg/L	< 0.01
2.4.6-Trichlorophenol	0.01	mg/L	< 0.01
2.6-Dichlorophenol	0.003	mg/L	< 0.003
4-Chloro-3-methylphenol	0.01	mg/L	< 0.01
Pentachlorophenol	0.01	mg/L	< 0.01
Tetrachlorophenols - Total	0.03	mg/L	< 0.03
Total Halogenated Phenol*	0.01	mg/L	< 0.01
Phenols (non-Halogenated)			
2-Cyclohexyl-4.6-dinitrophenol	0.1	mg/L	< 0.1
2-Methyl-4.6-dinitrophenol	0.03	mg/L	< 0.03
2-Methylphenol (o-Cresol)	0.003	mg/L	< 0.003
2-Nitrophenol	0.01	mg/L	< 0.01
2.4-Dimethylphenol	0.003	mg/L	< 0.003

Client Sample ID			**WL - APR 19**
Sample Matrix			**Water**
Eurofins | mgt Sample No.			**S19-Ap38343**
Date Sampled			**Apr 29, 2019**
Test/Reference	LOR	Unit	
Phenols (non-Halogenated)			
2.4-Dinitrophenol	0.03	mg/L	< 0.03
3&4-Methylphenol (m&p-Cresol)	0.006	mg/L	< 0.006
4-Nitrophenol	0.03	mg/L	< 0.03
Dinoseb	0.1	mg/L	< 0.1
Phenol	0.003	mg/L	< 0.003
Total Non-Halogenated Phenol*	0.1	mg/L	< 0.1
Phenol-d6 (surr.)	1	%	29
Oil & Grease (HEM)	10	mg/L	19
pH (at 25°C)	0.1	pH Units	7.3
Total Suspended Solids Dried at 103–105°C	5	mg/L	7.8
Turbidity	1	NTU	3.3
Alkalinity (speciated)			
Bicarbonate Alkalinity (as CaCO3)	20	mg/L	130
Carbonate Alkalinity (as CaCO3)	10	mg/L	< 10
Hydroxide Alkalinity (as CaCO3)	20	mg/L	< 20
Total Alkalinity (as CaCO3)	20	mg/L	130
Heavy Metals			
Arsenic	0.001	mg/L	0.021
Arsenic (filtered)	0.001	mg/L	0.021
Cadmium	0.0002	mg/L	< 0.0002
Cadmium (filtered)	0.0002	mg/L	< 0.0002
Chromium	0.001	mg/L	0.018
Chromium (filtered)	0.001	mg/L	0.017
Copper	0.001	mg/L	0.005
Copper (filtered)	0.001	mg/L	< 0.001
Iron	0.05	mg/L	0.06
Lead	0.001	mg/L	< 0.001
Lead (filtered)	0.001	mg/L	< 0.001
Manganese	0.005	mg/L	0.016
Mercury	0.0001	mg/L	< 0.0001
Mercury (filtered)	0.0001	mg/L	< 0.0001
Nickel	0.001	mg/L	0.006
Nickel (filtered)	0.001	mg/L	0.005
Zinc	0.005	mg/L	0.025
Zinc (filtered)	0.005	mg/L	0.014

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Sydney	Apr 29, 2019	7 Day
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Sydney	Apr 29, 2019	14 Day
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Apr 29, 2019	7 Day
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Sydney	Apr 29, 2019	7 Day
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Sydney	Apr 29, 2019	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Sydney	Apr 29, 2019	28 Day
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Volatile Organics	Sydney	Apr 29, 2019	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices			
Halogenated Volatile Organics	Sydney	Apr 29, 2019	7 Day
- Method: E016 Volatile Halogenated Compounds (VHC)			
Organochlorine Pesticides	Sydney	Apr 29, 2019	7 Day
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water			
Oil & Grease (HEM)	Melbourne	Apr 30, 2019	28 Day
- Method: APHA 5520B Oil & Grease			
pH (at 25°C)	Sydney	Apr 29, 2019	1 Day
- Method: LTM-GEN-7090 pH in water by ISE			
Total Suspended Solids Dried at 103–105°C	Sydney	Apr 29, 2019	7 Days
- Method: LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry			
Turbidity	Sydney	May 06, 2019	2 Day
- Method: LTM-INO-4140 Turbidity by Nephelometric Method			
Alkalinity (speciated)	Melbourne	Apr 30, 2019	14 Day
- Method: APHA 2320 Alkalinity by Titration			
Metals M8 filtered	Sydney	Apr 29, 2019	28 Day
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Heavy Metals	Sydney	May 06, 2019	180 Day
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Phenols (Halogenated)	Sydney	Apr 29, 2019	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Sydney	Apr 29, 2019	7 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			

Company Name: John Holland CPB Ghella JV
Address: Level 3, 140 Sussex Street
Sydney
NSW 2000

Project Name: SYDNEY METRO CITY & SOUTHWEST TSE

Order No.:
Report #: 652729
Phone: 02 9276 7800
Fax:

Received: Apr 29, 2019 12:13 PM
Due: May 6, 2019
Priority: 5 Day
Contact Name: Robert Muir

Eurofins | mgt Analytical Services Manager : Nibha Vaidya

Sample Detail						Iron	Manganese	Oil & Grease (HEM)	pH (at 25°C)	Total Suspended Solids Dried at 103–105°C	Turbidity	Organochlorine Pesticides	Alkalinity (speciated)	Metals M8 filtered	Phenols (IWRG 621)	Volatile Organics	Halogenated Volatile Organics	Eurofins | mgt Suite B7
Melbourne Laboratory - NATA Site # 1254 & 14271								X					X					
Sydney Laboratory - NATA Site # 18217						X	X		X	X	X	X		X	X	X	X	X
Brisbane Laboratory - NATA Site # 20794																		
Perth Laboratory - NATA Site # 23736																		
External Laboratory																		
No	**Sample ID**	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**													
1	WL - APR 19	Apr 29, 2019		Water	S19-Ap38343	X	X	X	X	X	X	X	X	X	X	X	X	X
Test Counts						1	1	1	1	1	1	1	1	1	1	1	1	1

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure, April 2011 and are included in this QC report where applicable. Additional QC data may be available on request.
2. All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
3. All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
4. Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
5. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
6. SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
7. Samples were analysed on an 'as received' basis.
8. This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

****NOTE:** pH duplicates are reported as a range NOT as RPD

Units

mg/kg: milligrams per kilogram	**mg/L:** milligrams per litre	**ug/L:** micrograms per litre
ppm: Parts per million	**ppb:** Parts per billion	**%:** Percentage
org/100mL: Organisms per 100 millilitres	**NTU:** Nephelometric Turbidity Units	**MPN/100mL:** Most Probable Number of organisms per 100 millilitres

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery.
CRM	Certified Reference Material - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
QSM	US Department of Defense Quality Systems Manual Version 5.2 2018
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries: Recoveries must lie between 50-150%-Phenols & PFASs

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.2 where no positive PFAS results have been reported have been reviewed and no data was affected.

WA DWER (n=10): PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC Data General Comments

1. Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
4. Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling.Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
7. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
8. Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
9. For Matrix Spikes and LCS results a dash " -" in the report means that the specific analyte was not added to the QC sample.
10. Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total	mg/L	< 0.003			0.003	Pass	
Method Blank							
Volatile Organics							
1.1-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.1-Dichloroethene	mg/L	< 0.001			0.001	Pass	
1.1.1-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.1.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2-Trichloroethane	mg/L	< 0.001			0.001	Pass	
1.1.2.2-Tetrachloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dibromoethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.2-Dichloroethane	mg/L	< 0.001			0.001	Pass	
1.2-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.3-Trichloropropane	mg/L	< 0.001			0.001	Pass	
1.2.4-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
1.3-Dichloropropane	mg/L	< 0.001			0.001	Pass	
1.3.5-Trimethylbenzene	mg/L	< 0.001			0.001	Pass	
1.4-Dichlorobenzene	mg/L	< 0.001			0.001	Pass	
2-Butanone (MEK)	mg/L	< 0.001			0.001	Pass	
2-Propanone (Acetone)	mg/L	< 0.001			0.001	Pass	
4-Chlorotoluene	mg/L	< 0.001			0.001	Pass	
4-Methyl-2-pentanone (MIBK)	mg/L	< 0.001			0.001	Pass	
Allyl chloride	mg/L	< 0.001			0.001	Pass	
Bromobenzene	mg/L	< 0.001			0.001	Pass	
Bromochloromethane	mg/L	< 0.001			0.001	Pass	
Bromodichloromethane	mg/L	< 0.001			0.001	Pass	
Bromoform	mg/L	< 0.001			0.001	Pass	
Bromomethane	mg/L	< 0.001			0.001	Pass	
Carbon disulfide	mg/L	< 0.001			0.001	Pass	
Carbon Tetrachloride	mg/L	< 0.001			0.001	Pass	
Chlorobenzene	mg/L	< 0.001			0.001	Pass	
Chloroethane	mg/L	< 0.001			0.001	Pass	
Chloroform	mg/L	< 0.005			0.005	Pass	
Chloromethane	mg/L	< 0.001			0.001	Pass	
cis-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
cis-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Dibromochloromethane	mg/L	< 0.001			0.001	Pass	
Dibromomethane	mg/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Dichlorodifluoromethane	mg/L	< 0.001			0.001	Pass	
Iodomethane	mg/L	< 0.001			0.001	Pass	
Isopropyl benzene (Cumene)	mg/L	< 0.001			0.001	Pass	
Methylene Chloride	mg/L	< 0.001			0.001	Pass	
Styrene	mg/L	< 0.001			0.001	Pass	
Tetrachloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.2-Dichloroethene	mg/L	< 0.001			0.001	Pass	
trans-1.3-Dichloropropene	mg/L	< 0.001			0.001	Pass	
Trichloroethene	mg/L	< 0.001			0.001	Pass	
Trichlorofluoromethane	mg/L	< 0.001			0.001	Pass	
Vinyl chloride	mg/L	< 0.001			0.001	Pass	
Method Blank							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	mg/L	< 0.01			0.01	Pass	
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g.h.i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a.h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1.2.3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/L	< 0.001			0.001	Pass	
4.4'-DDD	mg/L	< 0.0001			0.0001	Pass	
4.4'-DDE	mg/L	< 0.0001			0.0001	Pass	
4.4'-DDT	mg/L	< 0.0001			0.0001	Pass	
a-BHC	mg/L	< 0.0001			0.0001	Pass	
Aldrin	mg/L	< 0.0001			0.0001	Pass	
b-BHC	mg/L	< 0.0001			0.0001	Pass	
d-BHC	mg/L	< 0.0001			0.0001	Pass	
Dieldrin	mg/L	< 0.0001			0.0001	Pass	
Endosulfan I	mg/L	< 0.0001			0.0001	Pass	
Endosulfan II	mg/L	< 0.0001			0.0001	Pass	
Endosulfan sulphate	mg/L	< 0.0001			0.0001	Pass	
Endrin	mg/L	< 0.0001			0.0001	Pass	
Endrin aldehyde	mg/L	< 0.0001			0.0001	Pass	
Endrin ketone	mg/L	< 0.0001			0.0001	Pass	
g-BHC (Lindane)	mg/L	< 0.0001			0.0001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Heptachlor	mg/L	< 0.0001			0.0001	Pass	
Heptachlor epoxide	mg/L	< 0.0001			0.0001	Pass	
Hexachlorobenzene	mg/L	< 0.0001			0.0001	Pass	
Methoxychlor	mg/L	< 0.0001			0.0001	Pass	
Toxaphene	mg/L	< 0.01			0.01	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/L	< 0.003			0.003	Pass	
2.4-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
2.4.5-Trichlorophenol	mg/L	< 0.01			0.01	Pass	
2.4.6-Trichlorophenol	mg/L	< 0.01			0.01	Pass	
2.6-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
4-Chloro-3-methylphenol	mg/L	< 0.01			0.01	Pass	
Pentachlorophenol	mg/L	< 0.01			0.01	Pass	
Tetrachlorophenols - Total	mg/L	< 0.03			0.03	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	mg/L	< 0.1			0.1	Pass	
2-Methyl-4.6-dinitrophenol	mg/L	< 0.03			0.03	Pass	
2-Methylphenol (o-Cresol)	mg/L	< 0.003			0.003	Pass	
2-Nitrophenol	mg/L	< 0.01			0.01	Pass	
2.4-Dimethylphenol	mg/L	< 0.003			0.003	Pass	
2.4-Dinitrophenol	mg/L	< 0.03			0.03	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/L	< 0.006			0.006	Pass	
4-Nitrophenol	mg/L	< 0.03			0.03	Pass	
Dinoseb	mg/L	< 0.1			0.1	Pass	
Phenol	mg/L	< 0.003			0.003	Pass	
Method Blank							
Oil & Grease (HEM)	mg/L	< 10			10	Pass	
Total Suspended Solids Dried at 103–105°C	mg/L	< 5			5	Pass	
Turbidity	NTU	< 1			1	Pass	
Method Blank							
Alkalinity (speciated)							
Bicarbonate Alkalinity (as CaCO3)	mg/L	< 20			20	Pass	
Carbonate Alkalinity (as CaCO3)	mg/L	< 10			10	Pass	
Hydroxide Alkalinity (as CaCO3)	mg/L	< 20			20	Pass	
Total Alkalinity (as CaCO3)	mg/L	< 20			20	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/L	< 0.001			0.001	Pass	
Arsenic (filtered)	mg/L	< 0.001			0.001	Pass	
Cadmium	mg/L	< 0.0002			0.0002	Pass	
Cadmium (filtered)	mg/L	< 0.0002			0.0002	Pass	
Chromium	mg/L	< 0.001			0.001	Pass	
Chromium (filtered)	mg/L	< 0.001			0.001	Pass	
Copper	mg/L	< 0.001			0.001	Pass	
Copper (filtered)	mg/L	< 0.001			0.001	Pass	
Iron	mg/L	< 0.05			0.05	Pass	
Lead	mg/L	< 0.001			0.001	Pass	
Lead (filtered)	mg/L	< 0.001			0.001	Pass	
Manganese	mg/L	< 0.005			0.005	Pass	
Mercury	mg/L	< 0.0001			0.0001	Pass	
Mercury (filtered)	mg/L	< 0.0001			0.0001	Pass	
Nickel	mg/L	< 0.001			0.001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Nickel (filtered)	mg/L	< 0.001			0.001	Pass	
Zinc	mg/L	< 0.005			0.005	Pass	
Zinc (filtered)	mg/L	< 0.005			0.005	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	103			70-130	Pass	
TRH C10-C14	%	72			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	114			70-130	Pass	
Toluene	%	117			70-130	Pass	
Ethylbenzene	%	128			70-130	Pass	
m&p-Xylenes	%	128			70-130	Pass	
o-Xylene	%	121			70-130	Pass	
Xylenes - Total	%	126			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
1.1-Dichloroethene	%	126			70-130	Pass	
1.1.1-Trichloroethane	%	113			70-130	Pass	
1.2-Dichlorobenzene	%	122			70-130	Pass	
1.2-Dichloroethane	%	114			70-130	Pass	
Trichloroethene	%	108			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	127			70-130	Pass	
TRH C6-C10	%	103			70-130	Pass	
TRH >C10-C16	%	71			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	85			70-130	Pass	
Acenaphthylene	%	86			70-130	Pass	
Anthracene	%	94			70-130	Pass	
Benz(a)anthracene	%	95			70-130	Pass	
Benzo(a)pyrene	%	94			70-130	Pass	
Benzo(b&j)fluoranthene	%	102			70-130	Pass	
Benzo(g.h.i)perylene	%	89			70-130	Pass	
Benzo(k)fluoranthene	%	95			70-130	Pass	
Chrysene	%	94			70-130	Pass	
Dibenz(a.h)anthracene	%	90			70-130	Pass	
Fluoranthene	%	94			70-130	Pass	
Fluorene	%	89			70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	88			70-130	Pass	
Naphthalene	%	79			70-130	Pass	
Phenanthrene	%	93			70-130	Pass	
Pyrene	%	93			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	77			70-130	Pass	
4.4'-DDD	%	74			70-130	Pass	
4.4'-DDE	%	79			70-130	Pass	
4.4'-DDT	%	78			70-130	Pass	
a-BHC	%	72			70-130	Pass	
Aldrin	%	73			70-130	Pass	
b-BHC	%	84			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
d-BHC	%	81			70-130	Pass	
Dieldrin	%	83			70-130	Pass	
Endosulfan I	%	84			70-130	Pass	
Endosulfan II	%	80			70-130	Pass	
Endosulfan sulphate	%	80			70-130	Pass	
Endrin	%	85			70-130	Pass	
Endrin aldehyde	%	77			70-130	Pass	
Endrin ketone	%	80			70-130	Pass	
g-BHC (Lindane)	%	78			70-130	Pass	
Heptachlor	%	78			70-130	Pass	
Heptachlor epoxide	%	85			70-130	Pass	
Hexachlorobenzene	%	73			70-130	Pass	
Methoxychlor	%	89			70-130	Pass	
Toxaphene	%	76			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	83			30-130	Pass	
2.4-Dichlorophenol	%	91			30-130	Pass	
2.4.5-Trichlorophenol	%	89			30-130	Pass	
2.4.6-Trichlorophenol	%	101			30-130	Pass	
2.6-Dichlorophenol	%	91			30-130	Pass	
4-Chloro-3-methylphenol	%	95			30-130	Pass	
Pentachlorophenol	%	103			30-130	Pass	
Tetrachlorophenols - Total	%	100			30-130	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4.6-dinitrophenol	%	110			30-130	Pass	
2-Methyl-4.6-dinitrophenol	%	102			30-130	Pass	
2-Methylphenol (o-Cresol)	%	74			30-130	Pass	
2-Nitrophenol	%	90			30-130	Pass	
2.4-Dimethylphenol	%	89			30-130	Pass	
2.4-Dinitrophenol	%	81			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	%	76			30-130	Pass	
4-Nitrophenol	%	55			30-130	Pass	
Dinoseb	%	107			30-130	Pass	
Phenol	%	45			30-130	Pass	
LCS - % Recovery							
Total Suspended Solids Dried at 103–105°C	%	104			70-130	Pass	
Turbidity	%	90			70-130	Pass	
LCS - % Recovery							
Alkalinity (speciated)							
Carbonate Alkalinity (as CaCO3)	%	84			70-130	Pass	
Total Alkalinity (as CaCO3)	%	95			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	114			70-130	Pass	
Arsenic (filtered)	%	104			70-130	Pass	
Cadmium	%	106			70-130	Pass	
Cadmium (filtered)	%	103			70-130	Pass	
Chromium	%	112			70-130	Pass	
Chromium (filtered)	%	107			70-130	Pass	
Copper	%	108			70-130	Pass	
Copper (filtered)	%	108			70-130	Pass	
Iron	%	109			70-130	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Lead			%	111			70-130	Pass	
Lead (filtered)			%	104			70-130	Pass	
Manganese			%	106			70-130	Pass	
Mercury			%	117			70-130	Pass	
Mercury (filtered)			%	114			70-130	Pass	
Nickel			%	108			70-130	Pass	
Nickel (filtered)			%	110			70-130	Pass	
Zinc			%	105			70-130	Pass	
Zinc (filtered)			%	107			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Spike - % Recovery									
Alkalinity (speciated)				Result 1					
Carbonate Alkalinity (as CaCO3)	M19-Ap39467	NCP	%	80			70-130	Pass	
Total Alkalinity (as CaCO3)	M19-Ap39467	NCP	%	113			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	S19-My04330	NCP	%	91			70-130	Pass	
Arsenic (filtered)	S19-My00837	NCP	%	109			70-130	Pass	
Cadmium	S19-My04330	NCP	%	99			70-130	Pass	
Cadmium (filtered)	S19-My00837	NCP	%	106			70-130	Pass	
Chromium	S19-My04330	NCP	%	82			70-130	Pass	
Chromium (filtered)	S19-My00837	NCP	%	94			70-130	Pass	
Copper	S19-My04330	NCP	%	79			70-130	Pass	
Copper (filtered)	S19-My00837	NCP	%	92			70-130	Pass	
Iron	S19-My04330	NCP	%	92			70-130	Pass	
Lead	S19-My04330	NCP	%	82			70-130	Pass	
Lead (filtered)	S19-My00837	NCP	%	100			70-130	Pass	
Manganese	S19-My04330	NCP	%	82			70-130	Pass	
Mercury	S19-My04330	NCP	%	86			70-130	Pass	
Mercury (filtered)	S19-Ap31921	NCP	%	109			70-130	Pass	
Nickel	S19-My04330	NCP	%	80			70-130	Pass	
Nickel (filtered)	S19-My00837	NCP	%	93			70-130	Pass	
Zinc	S19-My04330	NCP	%	79			70-130	Pass	
Zinc (filtered)	S19-My00837	NCP	%	105			70-130	Pass	
Test	**Lab Sample ID**	**QA Source**	**Units**	**Result 1**			**Acceptance Limits**	**Pass Limits**	**Qualifying Code**
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S19-Ap33138	NCP	mg/L	< 150	< 150	<1	30%	Pass	
TRH C6-C10	S19-Ap33138	NCP	mg/L	< 250	< 250	<1	30%	Pass	
Duplicate									
				Result 1	Result 2	RPD			
Oil & Grease (HEM)	S19-Ap40057	NCP	mg/L	18	17	7.0	30%	Pass	
Total Suspended Solids Dried at 103–105°C	S19-Ap38475	NCP	mg/L	< 5000	5.0	4.0	30%	Pass	
Turbidity	S19-Ap38343	CP	NTU	3.3	3.3	2.0	30%	Pass	
Duplicate									
Alkalinity (speciated)				Result 1	Result 2	RPD			
Bicarbonate Alkalinity (as CaCO3)	M19-Ap39465	NCP	mg/L	< 20	< 20	<1	30%	Pass	
Carbonate Alkalinity (as CaCO3)	M19-Ap39465	NCP	mg/L	< 10	< 10	<1	30%	Pass	
Hydroxide Alkalinity (as CaCO3)	M19-Ap39465	NCP	mg/L	< 20	< 20	<1	30%	Pass	
Total Alkalinity (as CaCO3)	M19-Ap39465	NCP	mg/L	< 20	< 20	<1	30%	Pass	

Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	S19-Ap38343	CP	mg/L	0.021	0.023	9.0	30%	Pass	
Arsenic (filtered)	S19-Ap38343	CP	mg/L	0.021	0.020	2.0	30%	Pass	
Cadmium (filtered)	S19-Ap38343	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	S19-Ap38343	CP	mg/L	0.018	0.020	10	30%	Pass	
Chromium (filtered)	S19-Ap38343	CP	mg/L	0.017	0.016	8.0	30%	Pass	
Copper	S19-Ap38343	CP	mg/L	0.005	0.005	1.0	30%	Pass	
Copper (filtered)	S19-Ap38343	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Iron	S19-Ap38343	CP	mg/L	0.06	0.07	5.0	30%	Pass	
Lead	S19-Ap38343	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead (filtered)	S19-Ap38343	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Manganese	S19-Ap38343	CP	mg/L	0.016	0.016	5.0	30%	Pass	
Mercury	S19-Ap38343	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Mercury (filtered)	S19-Ap38343	CP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	S19-Ap38343	CP	mg/L	0.006	0.006	5.0	30%	Pass	
Nickel (filtered)	S19-Ap38343	CP	mg/L	0.005	0.005	7.0	30%	Pass	
Zinc	S19-Ap38343	CP	mg/L	0.025	0.028	10	30%	Pass	
Zinc (filtered)	S19-Ap38343	CP	mg/L	0.014	0.012	15	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs

Authorised By

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Glenn Jackson

General Manager

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please click here.

Appendix B (Volume 2)

Site Audit Report Waterloo Station Box Excavation and Validation (Ramboll, 2020)

Appendix C (Volume 3)

Golder Douglas City Metro City South-West, Environmental Site Assessment - Waterloo, Integrated Station Development, Botany Road, Waterloo NSW (GDP, 2019).