

Mackellar Excavations Pty Ltd

Preliminary
Contaminated Site
Investigation

Lots 1 and 2 DP 1226992

16 Torrens Road, Gunnedah, NSW



Preliminary Site Investigation Lots 1 and 2 DP 1226992 Gunnedah, NSW

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Stephanie Cameron demonstrates the relevant qualifications, competencies, and experience appropriate to undertake this site investigation under Schedule B9 of the National Environment Protection (Assessment of Site Contamination) Measure 1999. Stephanie holds current membership of the Australian Contaminated Land Consultants Association, the Royal Australian Chemical Institute, the Australasian Land and Groundwater Association, and Soil Science Australia.

East West is a long established Tamworth-based laboratory undertaking environmental, construction, and agricultural testing. East West is accredited with the National Association of Testing Authorities and the Australasian Soil and Plant Analysis Council. East West have been successfully involved in many environmental sampling and monitoring projects over the past seven years.

This report does not provide a complete assessment of the environmental integrity of the site and is limited to the scope defined herein. Should any reader require that other matters be considered apart from those considered within this report, they should then make their own investigations and form their own conclusions.

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Preliminary Contaminated Site Investigation Lots 1 and 2 DP 1226992 Gunnedah, NSW

Mackellar Excavations Pty Ltd Mackellar Excavations Pty Ltd
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EXECUTIVE SUMMARY

East West was requested to conduct a preliminary site investigation into past use of Lots 1 and 2 DP 1226992 (16 Torrens Road) in the Parish of Gunnedah, County of Pottinger, and Local Government Area of Gunnedah Shire Regional Council. The lots are currently owned by Mackellar Equipment Hire Pty Ltd, with plans to build sheds and holding bays on Lot 2 for a resource recovery facility.

The objective of this preliminary site investigation is to identify any risks and sources of contamination from current use and to determine whether Lot 2 is deemed free of contaminants of concern identified during the site investigation and whether it is fit for its proposed purpose or whether future investigation and sampling is required in accordance with NEPM guidelines (2013). The scope of works included a desktop investigation with site history search including historical aerial photographs, a site field investigation, targeted topsoil sampling within Lot 2 to determine with greater certainty any contamination of concern, and analysis of the results.

Site history shows the site has been held primarily by agricultural proprietors, particularly graziers. The current owner, who has owned the property since 2011, has developed the site for use as a site compound for Mackellar Excavations Pty Ltd. A site inspection was conducted on 13th May 2020, where photos were taken and the site was assessed for possible contamination risks and obvious signs of surface contamination. As a result of use as a mechanical service and repair garage and fuel refuelling and storage, the potential for contaminants of concern include total recoverable hydrocarbons (TRH), polyaromatic hydrocarbons (PAHs), benzene, toluene, ethylbenzene, xylene (BTEX), phenols, and heavy metals was identified as a moderate risk.

Soil sampling of Lot 2 was conducted on June 5th 2020, where fourteen samples at depths of 0-150mm of natural topsoil were collected using targeted sampling. The fourteen sampling locations were also screened visually by using an auger to drill soil cores to ascertain any obvious signs of fill or contamination to a depth of 1.5m.

There were no significant readings to indicate contaminants of potential concern observed in Lot 1 have migrated and contaminated the topsoil of Lot 2. Contaminants of concern were either below detection limits or well below the NEPM guidelines for the proposed commercial/industrial land use in all topsoil samples.

Considering the assessment contained within this report, there exists low potential for contamination of Lot 2 from current use in Lot 1 as evidenced by the results of the testing across the targeted topsoil samples. Therefore, on the basis of the investigations undertaken, the site at 16 Torrens Road, Lots 1 and 2 DP 1226992, Gunnedah NSW meets the adopted criteria for commercial/industrial D and is therefore suitable for the proposed use.





TABLE OF CONTENTS

2. SITE DESCRIPTION 2.1. LAND USE 2.1.1. NEIGHBOURING LAND USE 2.2. GEOLOGY AND HYDROGEOLOGY 3. SITE INVESTIGATION. 3.1. LOCAL SITE HISTORY 3.2. SITE INSPECTION. 3.3. POSSIBLE CONTAMINANT SOURCES 3.4. POTENTIAL RECEPTORS. 3.5. EXPOSURE PATHWAYS 4. SAMPLING AND ANALYSIS PLAN 5. RESULTS 5.1. SOIL ASSESSMENT CRITERIA. 5.2. DISCUSSION OF RESULTS. 6. QUALITY ASSURANCE/QUALITY CONTROL 6.1. QA/QC DOCUMENTATION 6.2. LABORATORIES. 7. CONCLUSIONS 7. REPORT LIMITATIONS. 8. REFERENCES Table 1. 18-19 Table 2. 24 Table 2. 24 Table 3. 28	1. SC	COPE OF WORKS	7
2.1.1. NEIGHBOURING LAND USE 2.2 GEOLOGY AND HYDROGEOLOGY 3. SITE INVESTIGATION	2. SI	TE DESCRIPTION	7
3.1. LOCAL SITE HISTORY	2.:	1.1. NEIGHBOURING LAND USE	9
3.2. SITE INSPECTION 3.3. POSSIBLE CONTAMINANT SOURCES 3.4. POTENTIAL RECEPTORS 3.5. EXPOSURE PATHWAYS 4. SAMPLING AND ANALYSIS PLAN 5. RESULTS 5.1. SOIL ASSESSMENT CRITERIA 5.2. DISCUSSION OF RESULTS 6. QUALITY ASSURANCE/QUALITY CONTROL 6.1. QA/QC DOCUMENTATION 6.2. LABORATORIES 7. CONCLUSIONS 7. REPORT LIMITATIONS 8. REFERENCES Table 1	3. SI	TE INVESTIGATION	13
5. RESULTS	3.2. 3.3. 3.4.	SITE INSPECTION POSSIBLE CONTAMINANT SOURCES POTENTIAL RECEPTORS	20 21 21
5.1. SOIL ASSESSMENT CRITERIA 5.2. DISCUSSION OF RESULTS	4. SA	AMPLING AND ANALYSIS PLAN	22
5.2. DISCUSSION OF RESULTS 6. QUALITY ASSURANCE/QUALITY CONTROL	5. RE	SULTS	25
6.1. QA/QC DOCUMENTATION 6.2. LABORATORIES 7. CONCLUSIONS 8. REFERENCES TABLE OF TABLES Table 1 18-19 Table 2 24	· · - ·		_
6.2. LABORATORIES	6. QI	UALITY ASSURANCE/QUALITY CONTROL	2 9
7. REPORT LIMITATIONS		• • •	
8. REFERENCES	7. CC	ONCLUSIONS	30
TABLE OF TABLES Table 1 18-19 Table 2 24	7. RE	PORT LIMITATIONS	31
Table 1	8. RE	FERENCES	31
Table 224		TABLE OF TABLES	
	Table 2	224	

TABLE OF APPENDICES

Appendix A	32
Appendix B	
Appendix C	46
Appendix D	50



INTRODUCTION

East West has been engaged by Brendon McKellar, of McKellar Excavations Pty Ltd, to carry out a preliminary contaminated site investigation on the site held as Lots 1 and 2 DP 1226992 (16 Torrens Road) in the Parish of Gunnedah, County of Pottinger, and Local Government Area of Gunnedah Shire Council.

It is understood that Lot 2 of the site is to be developed for a resource recovery facility to house sheds and holding bays.

The site is situated within the locality of Gunnedah, approximately three and a half kilometres northwest of Gunnedah's main centre.

The site is currently owned by Mackellar Equipment Hire Pty Ltd, who have owned the site since 2011.

The site is currently used as a site compound for Mackellar Excavations Pty Ltd, with a mechanic garage, small refuelling station, and office onsite. Storage of chemicals associated with mechanical servicing and repair are stored on Lot 1. Lot 2 is vacant but has predominantly been used to store stockpiles of earthwork materials such as aggregates.

The site has been subjected to a preliminary site assessment with targeted sampling on Lot 2 to determine any possible sources of potential contamination that warrant further investigation. The site assessment was carried out by East West on behalf of McKellar Excavations Pty Ltd.

The assessment was conducted as required by the EPA guideline *Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites* (2000) and consists of:

- Identify all past and present potentially contaminating activities;
- Identify potential contamination types;
- Discuss the site condition;
- Provide an assessment of site contamination; and
- Assess the need for further investigation.

The scope of work undertaken in this report comprises:

- Compilation of a site history covering the last 100 years;
- Historical aerial photographs;
- Detailed inspection of the site;
- Described potential for contamination risks;
- Targeted soil sampling of Lot 2;
- Details of sampling and analysis;
- Analysis of results of the investigation and conclusions about the condition of the site.





1. SCOPE OF WORKS

The scope of work undertaken relates solely to the site known as Lots 1 and 2 DP 1226992 (16 Torrens Road).

The scope of work undertaken in this preliminary contaminated site investigation comprises:

- An appraisal of the site including summary of site history covering the last 100 years;
- An initial field observation to identify potential contaminative activities and gain information on how the site is used;
- Preliminary targeted sampling of the site with respect to Lot borders and drainage areas on Lot 2;
- Details of sampling and analysis; and
- Analysis of the results of the investigation and conclude with any recommendations about the site.

2. SITE DESCRIPTION

The site is located within the locality of Gunnedah and is approximately three and a half kilometres northwest of Gunnedah's main centre (Figure 2). The total site area is approximately 27,900 m².

The site has been held by Mackellar Equipment Hire since 2011, who operate and own MacKellar Excavations Pty Ltd. It is understood the site is proposed to have sheds and holding bays built on Lot 2 for a resource recovery facility. The site is zoned as IN1 – *General Industrial* in the Gunnedah Local Environment Plan 2012. The site has a six metre wide easement to drain water on its northern boundary of Lot 2.

The site has frontage along Torrens Road and has been developed into the site compound for Mackellar Excavations. Immediately surrounding the site to the west are agricultural use lots used for residences and small grazing operations. Further west of the site is Witehaven Coal Mine, approximately 1.5km to the northwest, and the decommissioned Gunnedah slaughterhouse approximately 500m to the southwest. The northern and eastern boundaries of the site are surrounded by other developed general industrial type businesses, primarily warehouses. The Mungindi railway line is just 60m to the south, across from Torrens Road.





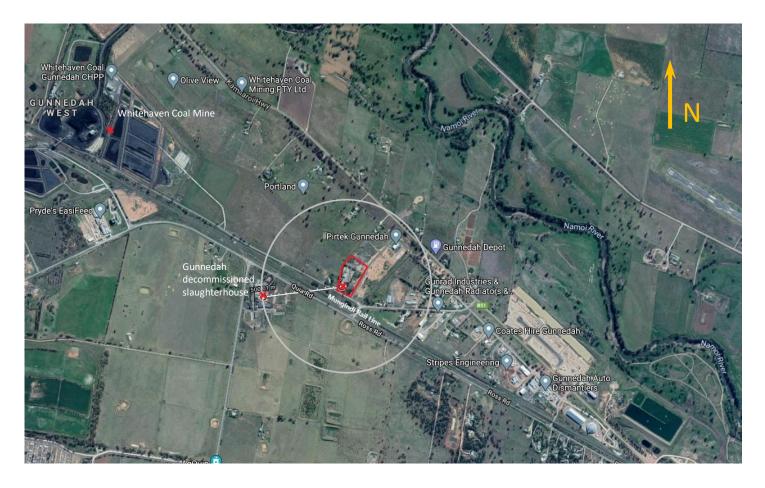


Figure 1. Site locality plan of Lots 1 and 2 DP 1226992 displaying surrounding land use in reference to the site (16 Torrens Road, Gunnedah NSW) outlined in red. *Image Source: Google Maps*





2.1. Land Use

The current owner has developed the site for use as a depot for the excavation company, Mackellar Excavations. The site therefore the contains relevant infrastructure and uses such as a small office space, a working mechanical repair/servicing auto garage with associated chemicals used and stored on site, a refuelling station, and storage sheds for spare parts, all primarily on Lot 1 (Figure 2). Lot 2 is largely used for the storage of aggregate stockpiles related to use in earthworks (Figure 2). A residential structure exists on the southern boundary of the site and appears to be occupied (Figure 2). A portion of the site has been covered in a bitumen-sealed gravel hardstand as a driveway leading up to the office and mechanical garage through the southern entrance (Figure 3). The majority of the site appears to be covered in gravel-containing fill. An area on the eastern boundary appears to be chiefly used as a car park for staff vehicles (Figure 2). The mechanical garage sits on a concrete pad and contains a drop pit where truck wash-off, oil, grease, and vehicle fluids are collected and pumped to waste barrels. Waste chemicals are reportedly picked up by a Tamworth based waste disposal company, NLQ Pty Ltd. A large canopied open shed area is used to store chemicals related to mechanical servicing on the western boundary (Figure 2). The site contains an above-ground fuel tank that supplies diesel via a single pump. The tank is filled by fuel supply companies such as BP or Inland. Multiple small shipping containers are on site to store mechanical equipment and construction related materials such as road signs and tools (Figure 2).

2.1.1. Neighbouring Land Use

The site is surrounded to the south and west by rural lots, primarily grazing paddocks (Figure 1). To the east and immediately north of the site are other general industrial-type businesses and warehouses (Figure 2). A "GB Auto" workshop neighbours directly to the east, which is an auto electrics and air-conditioning service. Other businesses in the immediate area are Pirtek, a hydraulic equipment and supplier, and an irrigation and pumping supplier business (Figure 2). As previously mentioned, further west of the site is Whitehaven Coal Mine and the now decommissioned Gunnedah slaughterhouse (Figure 1).





Figure 2. Land use of Lots 1 and 2 DP 1226992 (outlined in red). Visible is the mechanics garage, office, residence, shed, car park, storage containers and gravel storage area. *Image Source: Google Maps*





Figure 3. Viewing the site to the north from the southern entrance. Pictured is the mechanical garage and attached office. Also in view is the diesel fuel tank and some of the storage containers in the background.



2.2 Geology and Hydrogeology

According to the Australia Manilla-Narrabri 1:250,000 Geological Series Sheet, the bedrock geology forms part of the Gunnedah basin, specifically the Boggabri Volcanics, and consists of rhylolitic to dactic lavas and ashflow tuffs with interbedded shale and rare trachyte and andesite. These bedrock components are from the Palaeozoic era.

There are two registered groundwater bores within 1km of the site - GW025597 and GW019878 - to the northwest (Figure 4). The site has a gentle slope towards the north-northeast and surface run-off would therefore flow gently towards the north-northeast. The nearest surface water is an agricultural dam, located approximately 230m west of the site. The Namoi River is located approximately 1.2km north of the site.

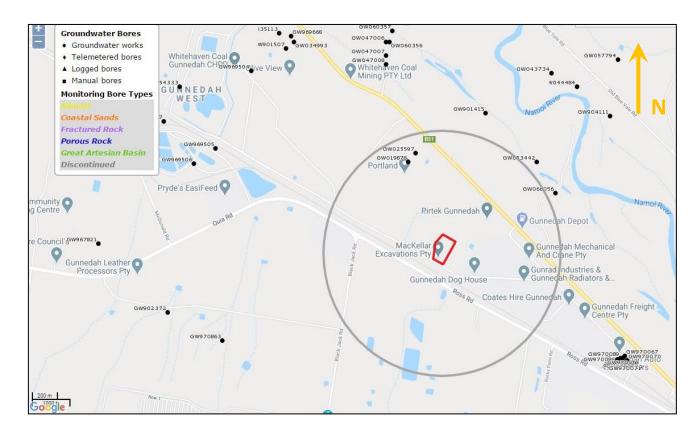


Figure 4. Published groundwater bores available from the Australian Groundwater Explorer (Australian Government, Bureau of Meteorology) within 1km radius of the site (outlined in red).



3. Site Investigation

3.1. Local Site History

A site historical information review was conducted in order to ascertain historical past use of the site for the last one hundred years. The site history was provided by InfoTrack and includes a review of historical deeds, easements and leases. The site history is available from 1868. To ascertain a better picture of the site's history, selected aerial photographs have been included.

The site is currently owned by Mackellar Equipment Hire Pty Ltd. The site has been owned by the current owner since 2011. Other previous owners were shown by the site history search to have been primarily former agricultural proprietors, with ownership of this type extending back to the 1920s. Some owners had occupations of Coach Painter and Motor Garage Proprietor, but given the historical aerial photographs, it is unlikely that the site has been used for any related purposes (Figures 5-7). Aerial photographs have been able to illustrate that the site has historical use consistent with agricultural purposes, presumably grazing, given that no structures or their remnants are visible (Figure 5). The site appears to have likely undergone development in 2012, after purchase by the current owner, and when the original lot was subdivided into the new industrial deposited plans. Changes to the site once purchased by the current owners are visible as they essentially exist today from 2015 (Figure 8).

There is an existing easement on the site that has existed since 2017. It is understood that this easement is for water drainage purposes. Lot 2 of the site was leased to Qube Bulk Pty Ltd from July 2017 to January 2020 and was used to park their trucks. No other leases or easements have been found. The summary of owners report can be found in Table 1.

The site is currently zoned as IN1 - general industrial and is currently used as a site compound for Mackellar Excavations Pty Ltd.

There are plans to further develop Lot 2, where the current owner intends to build sheds and holding bays for a resource recovery facility, which is in line with the site's current zoning.



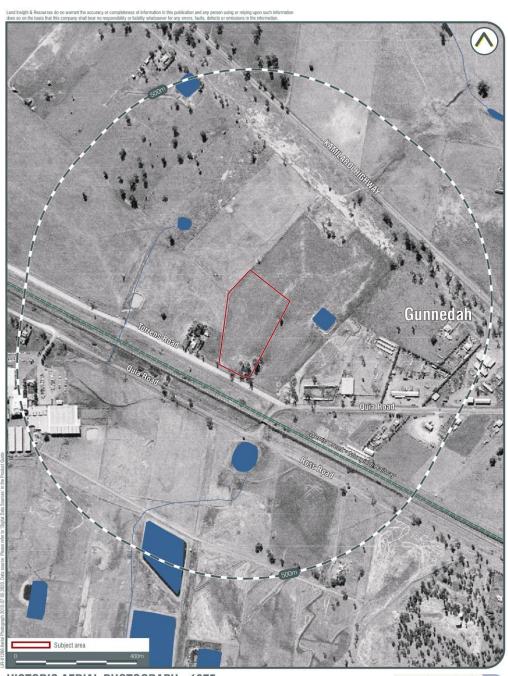






Figure 5. Earliest historical aerial photograph of the site (outlined in red) from 1975. Site appears relatively undisturbed, likely used for grazing. The now-decommissioned Gunnedah slaughterhouse is visible to the west.



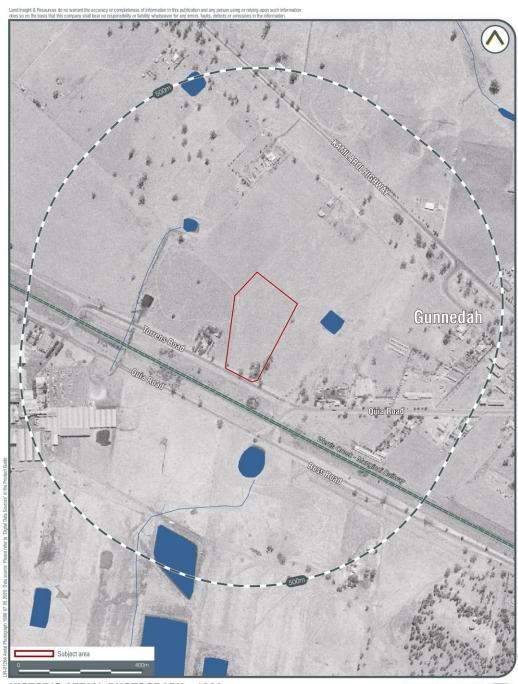






Figure 6. Historical aerial photograph of the site (outlined in red) from 1986. Site still remains relatively undisturbed.











Figure 7. Historical aerial photograph of the site (outlined in red) from 1997. The site and surrounds still remain relatively undisturbed. No visible structures have been erected.



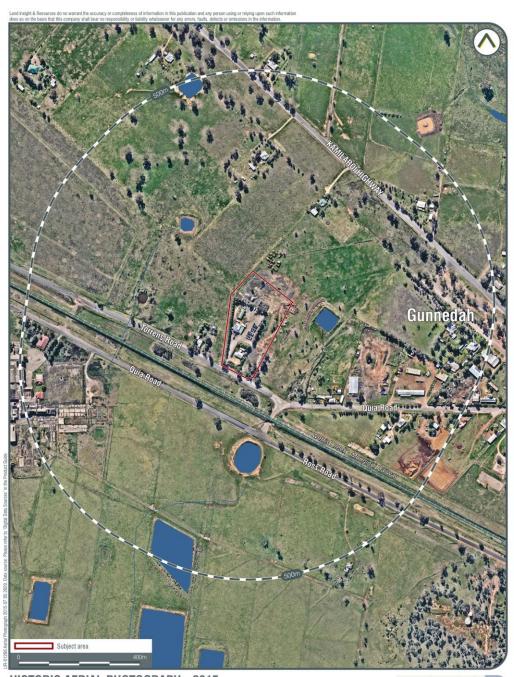






Figure 8. Historical aerial photograph of the site (outlined in red) from 2015. Site has undergone development after purchase by the current owner in 2011.



Table 1. Summary of Owners Report

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
16.06.1868	Within Gunnedah Temporary Common Revoked 19 th September 1919	
26.10.1888	Within Gunnedah Population area Revoked 16.10.1931	
13.04.1892	Reserved from Annual Lease or Occupation Licence Revoked 19 th September 1919	
30.06.1900	Partly within Travelling Stock Reserve No. 31106 Revoked 19 th September 1919	
28.02.1906	Partly within Travelling Stock Reserve No. 40255 Revoked 19 th September 1919	
19.09.1919	Within Returned Soldiers Special Holding Area No. 457 Revoked 22.04.1921	
22.04.1921	Within Suburban Holding Area No. 1285	
03.08.1921 (1921 to 1930)	Harold William Mirow (Coach Painter)	Crown Tenure Suburban Holding 1921/17 Gunnedah
17.07.1930 (1930 to 1935)	Richard Oscar Albert Mirow (Motor Garage Proprietor)	Crown Tenure Suburban Holding 1921/17 Gunnedah (Book 1611 No. 121)
31.12.1935 (1935 to 1956)	Mirow & Sons Limited Now Mirow & Sons Pty Limited	Crown Tenure Suburban Holding 1921/17 Gunnedah (Book 1753 No. 153)
16.05.1956 (1956 to 1980)	Colin Peter Brady (Sharefarmer)	Crown Tenure Suburban Holding 1921/17 Gunnedah (Book 2379 No. 305)
28.07.1980 (1980 to 1983)	Colin Peter Brady (Stock & Station Agent) Peter Wallis Brady (Stock & Station Agent)	Crown Tenure Suburban Holding 1921/17 Gunnedah (Book 3436 No. 676 - Mortgage) Now Vol 14244 Fol 175
26.05.1983 (1983 to 1990)	Brady Holdings (GDAH) Pty Limited	Vol 14244 Fol 175 Now 454/755503
23.07.1990 (1990 to 1998)	Council of the Shire of Gunnedah or Gunnedah Shire Council	454/755503
14.04.1998 (1998 to 2011)	Wayne Smith Now Wayne Kevin Smith	454/755503





Table 1. Continued as regards Lot 1 D.P. 1226992

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
15.06.2011 (2011 to date)	Mackellar Equipment Hire Pty Ltd	454/755503 Now 1/1226692

Denotes current registered proprietor

Leases: - NIL

Easements: -_02.03.2017 (D.P. 1226992) Easement to Drain Water 6 metres wide

Table 1. Continued as regards Lot 2 D.P. 1226992

Date of Acquisition and term held	Registered Proprietor(s) & Occupations where available	Reference to Title at Acquisition and sale
15.06.2011 (2011 to date)	Mackellar Equipment Hire Pty Ltd	454/755503 Now 2/1226692

Denotes current registered proprietor

Leases: - 13.07.2018 (AN 391833) to Qube Bulk Pty Ltd - expires 31.01.2020, also 2 year option

Easements: - 02.03.2017 (D.P. 1226992) Easement to Drain Water 6 metres wide





3.2. Site Inspection

A site inspection was conducted on 13th May 2020. The site was inspected, anecdotal evidence collected, and photos taken (see Appendix A). The above ground site inspection and observations for potential contamination sources revealed:

- A bitumen-sealed hardstand as a driveway leading to the mechanical garage and office (Figure 3), fill of unknown depth appeared to cover most of the site area (see Appendix A);
- A mechanical garage and office set up on a concrete pad in the south-eastern portion of the property, with the majority of the south-western portion of the site used for vehicle parking (Figures 2 and 3);
- The mechanical garage is used to repair, service, and wash heavy vehicles. The bay area had a
 drop pit installed, where waste is collected and subsequently pumped into a storage area
 located behind the mechanical garage (Figures 23 and 24);
- A small refuelling station with above ground fuel tank to hold diesel just north of the office building. Evidence of spills surrounding the refuelling area were present (Figures 9 and 10);
- A large open shed that stored many large tanks of chemicals associated with auto repair and servicing, such as transmission fluid, motor oil, lubricants, coolant, and AdBlue (Figures 13-16);
- Shipping containers for storage of mechanical equipment, road signs, and tools between Lot 1 and Lot 2 (Figure 22);
- A broken down car rested on wooden blocks along the western boundary of Lot 1 (Figure 17);
- Behind the office building, were various large tanks of waste chemicals, likely stockpiled waste from the mechanical garage (Figures 18 and 19);
- Various stockpiles of scrap wood, wood pallets, and scrap metal scattered around the shed and garage area as well as some concrete stormwater pipes and headwalls (Figures 11 and 12);
- A relatively small stockpile of waste concrete and miscellaneous gravel, brick, and foreign materials on the western boundary of Lot 2 (Figure 21);
- No sediment fences were observed;
- No physical evidence of asbestos was indicated on the site;
- Various visible signs of small spills with patch diameter <1m around the stockpiled tanks of waste chemicals (Figure 19);
- Chemicals were not stored on bunds;
- No obvious odours;
- No visible signs of responses to toxic contaminants from existing flora that surrounded the site; and
- No visible on-site losses of dangerous goods or discarding of explosive materials.





3.3. Possible Contaminant Sources

There is risk of surface soil contamination from the use of the site to store, fill, and refuel vehicles with diesel, as well as use of the site as an auto-repair and service garage, with improperly bunded storage of associated chemicals and small localised spills.

The most likely types of contamination would be:

 Total petroleum hydrocarbons, monocyclic aromatic hydrocarbons (e.g. benzene, toluene, ethylbenzene & xylene (BTEX)), phenols, heavy metals, polyaromatic hydrocarbons (PAHs), oil and grease, alkalis and acids (e.g. sulphuric, phosphoric) from sources and activities that include vehicle refuelling, maintenance, and repair.

During the site inspection East West noted the following sensitive receptors surrounding the site:

- Neighbouring surface waters to the south and west of the site
- The drainage area of the site is primarily towards the northeast

3.4. Potential Receptors

The potential receptors include:

- Future or transient users of the site;
- Any construction workers involved in the proposed site development;
- Local residents, including rural neighbours immediately to the west;
- Flora and fauna surrounding the site; and
- Waterways connected through the site's drainage easement

3.5. Exposure Pathways

Possible exposure pathways include:

- Ingestion, dermal contact, or inhalation of surface soil contamination;
- Inhalation through air transport of soil particulates (dust); and
- Ingestion or dermal contact with contaminated water



4. Sampling and Analysis Plan

Fourteen sampling locations were selected by East West on 5th June 2020 from targeted areas within Lot 2. The targeted areas included the boundary between Lot 1 and Lot 2, and in any drainage areas in Lot 2. Fourteen topsoil samples (SP1 through to SP14) were collected at a depth of 150mm using a ute-mounted auger in these targeted locations. According to NSW EPA Contaminated Sites - Sampling Design Guidelines 2012, these surface soils are most likely to be contaminated and come into contact with future users of the area or construction workers. In addition, these topsoils would reflect any migration of identified surface contaminants from Lot 1 into Lot 2. Soil samples taken discounted any imported fill on the lot and collected on natural soil only. Fill across Lot 2 was typically 50-100mm of road base. Soil cores were also observed at the fourteen sample locations to a depth of up to 1.5m to visually check for any imported fill or visual sources of contamination.

Sampling rationale was to collect one topsoil sample per 18m across the boundary between Lot 1 and Lot 2 grid area to ensure a spatial probability of detecting potential contaminant migration from Lot 1. The remaining seven samples were collected in identified drainage areas of Lot 2 in order to ascertain with greater certainty any migration of surface contamination of Lot 1.

All samples were collected carefully to ensure no cross-contamination occurred between sampling. Samples were collected from the outer edge of the soil on the auger to ensure cross contamination did not occur from the soils in contact with the auger itself. Nitrile gloves were used to collect each sample, and the auger was fully brushed off between sample points.

To effectively preserve the samples, each sample for contamination analysis was placed in a new glass jar with plastic screw-top lid and. Each jar was labelled with the job number, date, sample location, sampler, and a unique sample number.

The soil jars were transported in an esky and a sample log for was filled in with the date, job number, site address, GPS coordinates, samplers, sample locations, and sample names. The sample logs can be found in Appendix D.

A filled and signed chain of custody (COC) was filled out and accompanied the samples to their destination at Envirolab. The sample containers were wrapped in bubble wrap to ensure they did not break during transit and transported via overnight express in a cooled esky to Envirolab.

All samples were collected in accordance with the NSW EPA Sampling Design Guidelines and National Environmental Protection (Assessment of Site Contamination) Measure 1999.

Sampling was performed on 5/6/20 by Ashley Welch (Scientific Officer). Soil cores were performed by William King (Sole Trader) and observed by Ashley Welch and Steven Mitchell.

Table 2 contains a sample log of those samples collected. Figure 9 indicates where the samples were collected from and Appendix B show photos of each soil core at each sample location.



Analysis of the results for systematic grid based sampling must meet the following:

- The 95% Upper Confidence Limit (UCL) of the concentration of potential contamination (COPC) results do not exceed the soil assessment criteria;
- No single sample exceeds 250% of the COPC assessment criteria; and
- The standard deviation of the concentration COPC analytical results are less than 50% of the soil assessment criteria



Figure 9. Mud map of site – sample collection locations in Lot 2 for the site at 16 Torrens Road, Gunnedah NSW. Mud map is for illustrative purposes only and is not to scale. Lot boundaries are indicative only.



Table 2: Sample Log of Samples Collected on 5/6/20

SAMPLE ID	DEPTH	GPS COORDINATES	DESCRIPTION					
EW200607-1	0-150mm	30°57.536″ S 150°13.144″ E	SP1 Western edge of Lot 2 along boundary between Lot 1					
EW200607-2	0-150mm	30°57.542″ S 150°13.152″ E	SP2 Western side of Lot 2 along boundary between Lot 1					
EW200607-3	50-200mm	30°57.545″ S 150°13.162″ E	SP3 Western side of Lot 2 along boundary between Lot 1. 50mm of fill present					
EW200607-4	50-200mm	30°57.549″ S 150°13.174″ E	SP4 Midpoint along boundary between Lot 1 and 2. 50m of fill present					
EW200607-5	50-200mm	30°57.552″ S 150°13.184″ E	SP5 Eastern side of Lot 2 along boundary between Lot 1. 50mm of fill present					
EW200607-6	50-200mm	30°57.557″ S 150°13.196″ E	SP6 Eastern side of Lot 2 along boundary between Lot 1. 50mm of fill present					
EW200607-7	50-200mm	30°57.560″ S 150°13.208″ E	SP7 Eastern edge of Lot 2 along boundary between Lot 1 50mm of fill present					
EW200607-8	50-200mm	30°57.559″ S 150°13.212″ E	SP8 Eastern boundary of Lot 2. Lot showed natural slope on its eastern edge to the north-northeast. 50mm of fill present					
EW200607-9	50-200mm	30°57.554″ S 150°13.215″ E	SP9 Eastern boundary of Lot 2. Lot showed natural slope on its eastern edge to the north-northeast. 50mm of fill present					
EW200607-10	100-250mm	30°57.550″ S 150°13.217″ E	SP10 North-eastern boundary of Lot 2. Lot showed natural slope on its eastern edge to the north-northeast. 100mm of fill present					
EW200607-11	0-150mm	30°57.544″ S 150°13.222″ E	SP11 Northern side of Lot 2 in natural drainage area					
EW200607-12	100-250mm	30°57.508″ S 150°13.216″ E	SP12 Northern side of Lot 2 in natural drainage area. 100mm of fill present					
EW200607-13	150-300mm	30°57.527" S 150°13.197" E	SP13 Northern side of Lot 2 in natural drainage area. 150mm of fill present					
EW200607-14	50-200mm	30°57.508" S 150°13.175" E	SP14 North-west edge of Lot 2 in natural drainage area. 50mm of present					



5. RESULTS

5.1. Soil Assessment Criteria

Health Investigation Levels (HILs) are Tier 1 risk based generic assessment criteria used for the assessment of potential risks to human health from chronic exposure to contaminants in soil. They are intentionally conservative and based on a reasonable worst-case scenario for generic land use settings. The HILs selected for the soil assessment criteria are the HIL D guidelines which are commercial/industrial areas and include premises such as shops, offices, factories and industrial sites.

Ecological investigation levels (EILs) is broadly equivalent to the HIL A, HIL B and HIL C land use scenarios. The protection levels for the generic land use settings are 60% for commercial and industrial land uses. EILs apply principally to contaminants in the top 2m of soil at the finished surface/ground level which corresponds to the root zone and habitation zone of many species.

Ambient background concentrations (ABC) for the locality assumes that by adding contaminants over and above the ecosystem background concentration has an adverse effect on the environment. In some situations the ABC may be comparatively low and have a minor effect on the magnitude of the site EIL. The added contaminants limits (ACL) used for EIL determination is the added concentration (above the ABC) of a contaminant above which further appropriate investigation and evaluation of the impact on ecological values is required. The EIL is derived by summing the ACL and the ABC.

ACLs are based on the soil characteristics of pH, CEC and clay content. Empirical relationships that can model the effect of these soil properties on toxicity are used to develop soil-specific values. These soil-specific values take into account the biological availability of the element in various soils. In this approach different soils will have different contaminant EILs rather than a single generic EIL for each contaminant. The sandy, silty, clays found in Gunnedah typically have pHs of above 6 and CECs greater than 20cmol/kg and a clay content of between 30-40%. Limits for soil specific EILs were determined by using the NEPM toolbox (2013) Interactive Calculation Spreadsheet for aged contamination in the soil for commercial/industrial areas with a standard protection level of 60%.

Ecological screening levels (ESLs) for the adopted carbon fraction ranges are based on TRH analysis with F1 being obtained after subtraction of BTEX. The ESLs selected for the soil assessment criteria are for commercial/industrial.





Health screening levels (HSLs) are Tier 1 risk based generic soil assessment criteria used for the assessment of potential risks to human health from chronic inhalation exposure of petroleum vapour emanating off petroleum contaminated soils (vapour risk). They are intentionally conservative and based on a reasonable worst-case scenario for generic soil types, contamination depth and land use settings including commercial/industrial (HSLs D). HSL D soil assessment criteria for clay soil from 0 to <1 m were adopted on the basis that the proposed land use is a resource recovery holding bay and onsite topsoil comprising of silty clay.

NEPM Management Limits for petroleum have been developed for prevention of explosive vapour accumulation, prevention of the formation of observable Light Non-Aqueous Phase Liquids (LNAPL) and protection against effects on buried infrastructure. Commercial/industrial space management limits (fine) have been adopted based on the proposed land use and onsite topsoil comprising of silty clay.

NEPM Soil Ecological Assessment Levels

Soil ecological assessment was not considered warranted based on the following:

- The proposed land use is for use as a resource holding bay containing sheds; and
- There are no onsite or nearby offsite sensitive ecological receptors.

The guidelines have been located through the NSW Environment and Protection Authority (EPA) and they indicate suitable threshold values for contaminants in soil from the appropriate guidelines outlined in the *National Environment Protection (Assessment of Site Contamination) Measure (NEPM)* 1999 (April 2013), NEPC 2013, Canberra.



5.2. Discussion of Results

All fourteen topsoil samples were tested for heavy metal contaminants (arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc), total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene and xylene (BTEX), and polycyclic aromatic hydrocarbons (PAHs) at Envirolab (NATA accreditation 2901).

A summary of analysis for the soil samples (project reference EW200607) are located in Table 3. The first column contains the analytes (element and compounds tested for), the second column is the units of the results (i.e. mg/kg is milligram per kilogram or ppm of soil), and the middle columns contain the validation results for the soil samples collected. The last column displays the maximum permissible concentration of a contaminant for specific Health-Based Investigation Levels (HILs). Values over the maximum permissible concentration of a contaminant will be highlighted and further appropriate health investigation and evaluation is required.

All fourteen topsoil sample results at SP1 through to SP14 indicate levels for tested analytes below detectable limits of instrument analysis or below the soil assessment criteria - HIL commercial/industrial D threshold values (Table 3). Appendix C shows the 95% Upper Confidence Limit (UCL) of the concentration of potential contamination (COPC) and that all contaminants are within the thresholds for ESLs, EILs and/or HSLs.

The basis on which information was selected for the results summaries was to identify those contaminants that were common contaminants, contaminants of concern, or recorded a measurement above the lowest obtainable reading (LOR or limit of detection). Levels that measure below the instrument's level of detection are typically below guideline limits for contaminants but were still included to show the overall condition of the soil at the site. The quality control data was reviewed and not incorporated into the contained information in the summary as there were no anomalies that needed to be highlighted. The full laboratory documents are attached in Appendix D.

The results of the boreholes to a depth of 1.5m at the sampling locations indicated no signs of visible contamination, apart from the top 50-150mm of roadbase, and were consistent with natural soil profiles as to be expected in the area. The site generally consisted of red-brown silty clays with varying proportions of gravel. Photos of soil cores are located in Appendix B.

The results of the sampling from the initial and further investigation reveal that:

- No contaminants of concern have been detected with the 95% Upper Confidence Limit (UCL) of the concentration of potential contamination (COPC) with no contaminant exceeding the specified soil assessment criteria for HILs and EILs;
- No single sample exceeds 250% of the COPC assessment criteria; and
- The standard deviation of the concentration COPC analytical results are less than 50% of the soil assessment criteria.

Statistical analysis of the results and a full summary of the results against NEPM guidelines can be found in Appendix C.

t ID: EW200607

Preliminary ContaminatedSite Investigation Lots 1 and 2 DP 1226992 Gunnedah, NSW

Table 3: Summary of Topsoil Analysis Results

		SP 1	SP 2	SP 3	SP 4	SP 5	SP 6	SP 7	SP 8	SP 9	SP 10	SP 11	SP 12	SP 13	SP 14	NEPC
		200607	200607	200607	200607	200607	200607	200607	200607	200607	200607	200607	200607	200607	200607	Guidelines
		-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	NEPM Health-
ANALYTE	Units	0- 150mm	0- 150mm	50- 200mm	100- 250mm	0- 150mm	100- 250mm	150- 300mm	50- 200mm	Based Investigation Levels (Commercial- Industrial D)						
Heavy Metals		L	l	l	1	l	l			l		1	1	l	L	
Arsenic	mg/kg	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	3000
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	800
Chromium	mg/kg	28	27	21	26	22	27	23	26	24	27	23	31	34	24	3000
Copper	mg/kg	10	12	9	13	10	12	11	12	12	14	9	14	13	9	250000
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4000 (inorganic Hg)
Nickel	mg/kg	14	17	13	24	15	18	13	18	18	24	13	32	24	12	4000
Lead	mg/kg	11	12	11	12	11	12	12	13	17	13	12	13	12	10	1500
Zinc	mg/kg	34	24	19	25	23	26	20	27	24	30	18	31	24	20	400000
Total Recoverable Hydro	carbons (T	RH)														
vTPH C6-C10 less BTEX (F1)	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	250 (0 to <1m in silty clay)
TRH >C10-C16 less naphthalene (F2)	mg/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NL
Polyaromatic Hydrocarbo	ns (PAHs)															
Total +ve PAHs	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	4000
Benzo(a)pyrene TEQ	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	40

Document ID: EW200607 Issued By: S.Cameron Issue No: 2

Date of Issue: 18.06.2020



Preliminary Contaminated Site Investigation Lots 1 and 2 DP 122699 Gunnedah, NSW

6. QUALITY ASSURANCE/QUALITY CONTROL

6.1.QA/QC Documentation

All samples were transported to the laboratories for analysis with relevant COC documentation containing the following:

- Site identification;
- Sampler(s);
- Nature of the sample soil;
- · Collection date; and
- Analysis to be performed

Original COC and sample receipts advisory (SRA) documentation can be found in Appendix C.

6.2. Laboratories

Samples were submitted to NATA accredited laboratory, Envirolab (NATA accreditation 2901).

As part of their National Association of Testing Authorities NATA accreditation, the laboratories are required to carry out routine in-house quality control (QC) procedures, which are presented in Appendix C.







7. CONCLUSIONS

East West was commissioned to undertake a preliminary site investigation with sampling to estimate the potential site contamination risks from use as a site compound for Mackellar Excavations Pty Ltd, and whether use as a site compound could affect future development of the site's Lot 2.

Preliminary investigations of the site history were consistent with primary production, particularly use as grazing fields. The site has been developed for use as a site compound for aggregate stockpiling, mechanical servicing, and office space. A site inspection was conducted on 13th May 2020 to ascertain the site condition and identify any sources of contamination or contaminating activities. The predominant areas of concern noted during the site inspection were the diesel tank refuelling area and areas where chemicals are used and stored. There exists potential for small localised areas of shallow contamination associated with these areas. Identified surface contamination from use in Lot 1 could have the potential to migrate to Lot 2 considering the site's drainage to the north-northeast.

In order to determine the likelihood for migration of potential surface contamination from those areas identified on Lot 1 into Lot 2, preliminary sampling of the site in Lot 2 was conducted on June 5th 2020. Results of the sampling across the border of Lot 1 and 2 and in the identified drainage areas of Lot 2 revealed that contaminants of potential concern (COPC) were not identified in soil at concentrations in excess of assessment criteria in all soil samples analysed.

Considering the assessment contained within this report, there exists low potential for contamination of Lot 2 from current use in Lot 1 as evidenced by the results of the testing across the targeted topsoil samples. The results of the investigation reveal that the site at 16 Torrens Road, Lots 1 and 2 DP 1226992, Gunnedah NSW is considered fit for Lot 2's proposed development as a resource recovery bay and holding facility under industrial guidelines.





7. REPORT LIMITATIONS

This report has been prepared for use by the client who has commissioned the works in accordance with the project brief only.

This report does not provide a complete assessment of the environmental integrity of the site and is limited by the scope as defined above.

8. REFERENCES

NSW EPA [2000], Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites. Sydney South, ISBN 0 7310 3892 4

NEPC [2013], Schedule B1 – Guideline on Investigation Levels for Soil and Groundwater Measure 1999 (May 2013). Canberra.



APPENDIX A - SITE INSPECTION PHOTOGRAPHS (MAY 13 2020)







Figure 9. The above ground fuel storage and refuelling area. Visible is an area of localised surface spill

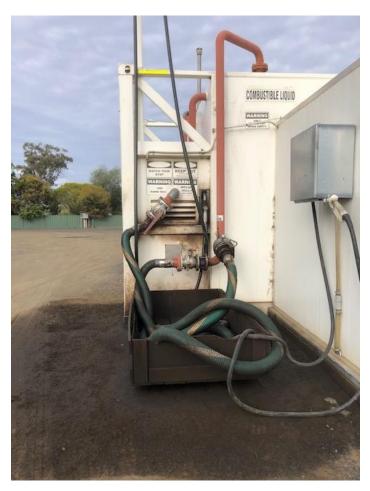


Figure 10. View of the refilling pump







Figure 11. Various stockpiles of timber



Figure 12. Storage of concrete products







Figure 13. Stored transmission fluid and motor oil in the main open shed



Figure 14. Dust suppressant for use in mine sites, on roads and graded tracks to help control airborne dust stored in main open shed





Figure 15. An example of the chemicals stored on site - gear oil lubricant



Figure 16. Coolant premix stored in main open shed (predominantly ethylene glycol as active ingredient)





Figure 17. Broken down car stored next to main shed



Figure 18. Overview of stockpiled waste oils behind office building





Figure 19. Example of the size of small localised spills



Figure 20. Example of other waste chemicals stored behind office building



Figure 21. Stockpile of concrete waste and miscellaneous foreign materials on Lot 2



Figure 22. Sample of the storage shed contents on site





Figure 23. Installed pit for the collection of wastes such as grease and oils in the mechanics garage



Figure 24. Wastes are pumped out of pit and collected in waste tanks and disposed of off-site by a disposal company



APPENDIX B – EVIDENCE OF SOIL CORES TAKEN DURING SOIL SAMPLING (5 JUNE 2020)







Figure 25. SP1 borehole displaying dry, natural soil



Figure 27. SP3 borehole displaying dry, natural soil beneath 50mm of road base



Figure 26. SP2 borehole displaying dry, natural soil



Figure 28. SP4 borehole displaying dry, natural soil beneath 50mm of road base



Figure 29. SP5 borehole displaying dry, natural soil beneath 50mm of road base

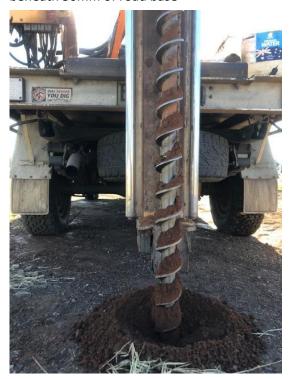


Figure 31. SP7 borehole displaying moist, natural soil beneath 50mm of road base



Figure 30. SP6 borehole displaying moister soil beneath 50mm of road base.



Figure 32. SP8 borehole displaying moist, natural soil beneath 50mm of road base



Figure 33. SP9 borehole displaying moist, natural soil beneath 50mm of road base



Figure 35. SP11 borehole displaying dry, natural soil



Figure 34. SP10 borehole displaying dry, natural soil beneath 100mm of road base



Figure 36. SP12 borehole displaying dry, natural soil beneath 100mm of road base



Figure 37. SP13 borehole displaying moist, natural soil beneath 10mm of road base

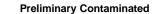


Figure 38. SP14 borehole displaying dry, natural soil beneath 50mm of road base



APPENDIX C – FULL RESULTS TABLES







Site Investigation Gunnedah, NSW Lots 1 and 2 DP 122699

		ĺ							
		Arsenic	Cadmium	Chromium	Copper	Mercury	Nickel	Lead	Zinc
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		4	0.4	5	5	0.1	5	5	5
NSW 2014 General Solid Waste CT1 (No Leaching)		100	20	100		4	40	100	
NSW 2014 General Solid Waste CT2 (No Leaching)		400	80	400		16	160	400	
NEPM 2013 Table 1A(3) Commercial/Industrial D Soil HSL 0-1m	for Vapour Intrusion (Sand)								
NEPM 2013 Table 1A(3) Commercial/Industrial D for Vapo 0-1m	our Intrusion (Silt)								
NEPM 2013 Table 1B(4) Generic EIL – Commercial and Ind	lustrial	170						1800	
NEPM 2013 Table 1B(5) ESLs for Commercial and Industria 0-2m	al (Coarse Soil)								
NEPM 2013 Table 1B(5) ESLs for Commercial and Industria 0-2m	al (Fine Soil)								
NEPM 2013 Table 1A(1) HILs Commercial/Industrial D		3000	800	3000	250000	4000	4000	1500	400000
Field ID	Date								
200607-1		. 4		28	10				
	6/5/20	<4	<0.4	20	10	<0.1	14	11	34
200607-2	6/5/20 6/5/20	<4	<0.4 <0.4	27	12	<0.1 <0.1	14 17	11 12	34 24
200607-2 200607-3			1				1	1	
	6/5/20	<4	<0.4	27	12	<0.1	17	12	24
200607-3	6/5/20 6/5/20	<4 <4	<0.4 <0.4	27 21 26 22	12 9	<0.1 <0.1	17 13	12 11	24 19
200607-3 200607-4	6/5/20 6/5/20 6/5/20	<4 <4 <4	<0.4 <0.4 <0.4	27 21 26	12 9 13	<0.1 <0.1 <0.1	17 13 24	12 11 12	24 19 25
200607-3 200607-4 200607-5	6/5/20 6/5/20 6/5/20 6/5/20	<4 <4 <4 <4	<0.4 <0.4 <0.4 <0.4	27 21 26 22	12 9 13 10	<0.1 <0.1 <0.1 <0.1	17 13 24 15	12 11 12 11	24 19 25 23
200607-3 200607-4 200607-5 200607-6	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20	<4 <4 <4 <4 <4	<0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27	12 9 13 10 12	<0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18	12 11 12 11 12	24 19 25 23 26
200607-3 200607-4 200607-5 200607-6 200607-7	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20	<4 <4 <4 <4 <4 <4	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23	12 9 13 10 12 11	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13	12 11 12 11 12 11 12	24 19 25 23 26 20
200607-3 200607-4 200607-5 200607-6 200607-7 200607-8 200607-9 200607-10	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20	<4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23 26 24 27	12 9 13 10 12 11 12 12 12	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13 18 18 24	12 11 12 11 12 12 12 13 17 13	24 19 25 23 26 20 27 24 30
200607-3 200607-4 200607-5 200607-6 200607-7 200607-8 200607-9 200607-10	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20	<4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23 26 24 27 23	12 9 13 10 12 11 12 12 12 14	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13 18 18 24 13	12 11 12 11 12 12 12 13 17 13 12	24 19 25 23 26 20 27 24 30
200607-3 200607-4 200607-5 200607-6 200607-7 200607-8 200607-9 200607-10 200607-11	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20	<4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23 26 24 27 23 31	12 9 13 10 12 11 12 12 12 14 12 13	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13 18 18 24 13 32	12 11 12 11 12 12 12 13 17 13 17 13	24 19 25 23 26 20 27 24 30 18
200607-3 200607-4 200607-5 200607-6 200607-7 200607-8 200607-9 200607-10 200607-12 200607-13	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20	<4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23 26 24 27 23 31 34	12 9 13 10 12 11 12 12 14 12 13 12	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13 18 18 24 13 32 24	12 11 12 11 12 12 12 13 17 13 12 13 12	24 19 25 23 26 20 27 24 30 18 31
200607-3 200607-4 200607-5 200607-6 200607-7 200607-8 200607-9 200607-10 200607-11	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20	<4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23 26 24 27 23 31 34 24	12 9 13 10 12 11 12 12 14 12 13 12 10	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13 18 18 24 13 32 24 12	12 11 12 11 12 12 13 17 17 13 12 13 12 10	24 19 25 23 26 20 27 24 30 18 31 24
200607-3 200607-4 200607-5 200607-6 200607-7 200607-8 200607-9 200607-10 200607-11 200607-12	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 Mean (mg/L)	<4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23 26 24 27 23 31 34 24 25.9	12 9 13 10 12 11 12 12 12 14 12 13 12 10 11.6	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13 18 18 24 13 32 24 12 18.2	12 11 12 11 12 12 13 17 13 12 13 12 10 12.21	24 19 25 23 26 20 27 24 30 18 31 24 20 24.64
200607-3 200607-4 200607-5 200607-6 200607-7 200607-8 200607-9 200607-10 200607-11 200607-12	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 5/5/20 6/5/20 5/5/20 5/5/20 S/5/20	<4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23 26 24 27 23 31 34 24 25.9 3.54	12 9 13 10 12 11 12 12 14 12 13 12 10 11.6 1.40	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13 18 18 24 13 32 24 12 18.2 5.82	12 11 12 11 12 12 13 17 13 17 13 12 13 12 10 10 12.21	24 19 25 23 26 20 27 24 30 18 31 24 20 24.64 4.70
200607-3 200607-4 200607-5 200607-6 200607-7 200607-8 200607-9 200607-10 200607-11 200607-12	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 5/5/20 6/5/20 5/5/20 Mean (mg/L) Std Dev	<4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23 26 24 27 23 31 34 24 25.9 3.54 0.14	12 9 13 10 12 11 12 12 14 12 13 12 10 11.6 1.40 0.12	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13 18 18 24 13 32 24 12 18.2 5.82 0.32	12 11 12 11 12 12 13 17 13 17 13 12 13 12 10 1221 163 0.13	24 19 25 23 26 20 27 24 30 18 31 24 20 24.64 4.70 0.19
200607-3 200607-4 200607-5 200607-6 200607-7 200607-8 200607-9 200607-10 200607-11 200607-12	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 5/5/20 6/5/20 C/5/20 Mean (mg/L) Std Dev CV α at 95% (n-1)	<4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23 26 24 27 23 31 34 24 25.9 3.54 0.14 2.015	12 9 13 10 12 11 12 12 14 12 13 12 10 11.6 1.40 0.12 2.015	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13 18 18 24 13 32 24 12 18.2 5.82 0.32 2.015	12 11 12 11 12 12 13 17 13 12 13 12 10 12.21 1.63 0.13 2.015	24 19 25 23 26 20 27 24 30 18 31 24 20 24.64 4.70 0.19 2.015
200607-3 200607-4 200607-5 200607-6 200607-7 200607-8 200607-9 200607-10 200607-11 200607-12 200607-13	6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 6/5/20 5/5/20 6/5/20 5/5/20 Mean (mg/L) Std Dev	<4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <4 <	<0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4	27 21 26 22 27 23 26 24 27 23 31 34 24 25.9 3.54 0.14	12 9 13 10 12 11 12 12 14 12 13 12 10 11.6 1.40 0.12	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1	17 13 24 15 18 13 18 18 24 13 32 24 12 18.2 5.82 0.32	12 11 12 11 12 12 13 17 13 17 13 12 13 12 10 1221 163 0.13	24 19 25 23 26 20 27 24 30 18 31 24 20 24.64 4.70 0.19

Preliminary Contaminated Site Investigation Lots 1 and 2 DP 1226992 Gunnedah, NSW

		in-																	
				В	TEX						TRH						TPH		
		Benzene	Toluene	Ethylbenze ne	Xylene (m & p)	Xylene (o)	Xylene Total	C6-C10	C6-C10 (F1 minus BTEX)	C10-C16	C10-C16 (F2 minus Napthalene	C16-C34	C134-C40	C10-C40 (Sum of total)	62-93	C10-C14	C15-C28	C29-C36	+C10-C36 (Sum of total)
		mg/k g	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
EQL		0.2	0.5	1	2	1	1	25	25	50	50	100	100	50	25	50	100	100	100
NSW 2014 General Solid Waste CT1 (N	o Leaching)	10	288	600			1000								650				10000
NSW 2014 General Solid Waste CT2 (N	o Leaching)	40	1152	2400			4000								2600				40000
NEPM 2013 Table 1A(3) Commercial/Ir	ndustrial D Soil HSL																		
for Vapour Intrusion (Sand)																			
0-1m		3					230		260										
1-2m		3							370										
2-4m		3							630										
>=4m		3																	
NEPM 2013 Table 1A(3) Commercial/I	ndustrial D for																		
Vapour Intrusion (Silt)																			
0-1m		4							250										
1-2m		4							360										1
2-4m		6							590										1
>=4m		10																	
NEPM 2013 Table 1B(4) Generic EIL – 0	Commercial and																		
Industrial																			
NEPM 2013 Table 1B(5) ESLs for Comm	nercial and Industrial																		
(Coarse Soil)																			
0-2m		75	135	165			180		215		170	1700	3300						
NEPM 2013 Table 1B(5) ESLs for Comn	nercial and Industrial																		
(Fine Soil)																			
0-2m		95	135	185			95		215		170	2500	6600						
NEPM 2013 Table 1A(1) HILs Commerc	cial/Industrial D																		
Field ID	Date																		
200607-1	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
200607-2	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
200607-3	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
200607-4	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
200607-5	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
200607-6 200607-7	6/5/20 6/5/20	<0.2	<0.5 <0.5	<1 <1	>2 >2	<1 <1	<1 <1	<25 <25	<25 <25	<50 <50	<50 <50	<100 <100	<100 <100	<50 <50	<25 <25	<50 <50	<100 <100	<100 <100	<100 <100
200607-7	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50 <50	<50 <50	<100	<100	<50 <50	<25	<50 <50	<100	<100	<100
200607-9	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
200607-10	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
200607-11	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
200607-12	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
200607-13	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
200607-14	6/5/20	<0.2	<0.5	<1	>2	<1	<1	<25	<25	<50	<50	<100	<100	<50	<25	<50	<100	<100	<100
	Mean (mg/L)	0.2	0.5	1	2	1	1	25	25	50	50	100	100	50	25	50	100	100	100
Decument ID: FW000007	Std Dev CV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Document ID: EW200607 Issued By: S.Cameron	α at 95% (n-1)	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015
Issue No: 2	95% UCL	0.2	0.5	1	2.013	1	1	2.013	2.013	50	50	100	100	50	2.013	50	100	100	100
Date of Issue: 18.06.2020	Guidelines																		
	Pass/Fail	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
	. 455/1411																		



Preliminary Contaminated Site Investigation Lots 1 and 2 DP1226992 Gunnedah NSW

		_	4)								PAHs									
		Acenaphthen e	Acenaphthyle ne	Anthracene	Benz(a)anthr acene	Benzo(a)pyre ne	Benzo(b, j + k)fluoranthen	e Benzo(g,h,i)p erylene	Chrysene	Dibenz(a,h)an thracene	Fluoranthene	Fluorene	Indeno(1,2,3- c,d)pyrene	Napthalene	Phenanthren e	Pyrene	Benzo(a)pyre ne TEQ calc	Benzo(a)pyre ne TEQ (LOR)	Benzo(a)pyre ne TEQ calc	PAHs (Sum of total)
		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
EQL		0.1	0.1	0.1	0.1	0.05	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.05
NSW 2014 General Solid Was	ste CT1 (No Leaching)					0.8														200
NSW 2014 General Solid Was	ste CT2 (No Leaching)					3.2														800
NEPM 2013 Table 1A(3) Com 0-1m	nmercial/Industrial D Soil HSL for Vapour Intrusion (Sand)																			
NEPM 2013 Table 1A(3) Com 0-1m	nmercial/Industrial D for Vapour Intrusion (Silt)																			
NEPM 2013 Table 1B(4) Gene	eric EIL – Commercial and Industrial													370						
NEDNA 2012 T-LI- 10/5) 501-	for Commencial and Industrial (Comme Cail)																			
	for Commercial and Industrial (Coarse Soil)					0.7														
0-2m						0.7														
NEPM 2013 Table 1B(5) ESLs	for Urban Res (Fine Soil)																			
0-2m						1.4														
NEPM 2013 Table 1A(1) HILs	Commercial/Industrial D																3	3	3	300
Field ID	Date																			
200607-1	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-2	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-3	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-4	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-5	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-6	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-7	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-8	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-9	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-10	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-11	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-12	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-13	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
200607-14	5/6/20	<0.1	<0.1	<0.1	<0.1	<0.05	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.05
	Mean (mg/L)	0.1	0.1	0.1	0.1	0.05	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.	0.1	0.5	0.5	0.5	0.05
	Std Dev	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	α at 95% (n-1)	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015	2.015
	95% UCL	0.1	0.1	0.1	0.1	0.05	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.05
	Guidelines Pass/Fail	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Date of Issue: 18.06.2020 Page 49 of 50

APPENDIX D – SUPPORTING DOCUMENTS

Document ID: EW200607 Issued By: S.Cameron Issue No: 1 Date of Issue: 18.05.2020



Envirolab Services Pty Ltd

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CERTIFICATE OF ANALYSIS 244432

Client Details	
Client	East West Enviroag Pty Ltd
Attention	Ashley Welch
Address	82 Plain St, Tamworth, NSW, 2340

Sample Details	
Your Reference	EW200607
Number of Samples	14 Soil
Date samples received	09/06/2020
Date completed instructions received	09/06/2020

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	16/06/2020	
Date of Issue	12/06/2020	
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Accredited for compliance with ISC	D/IEC 17025 - Testing. Tests not covered by NATA are denoted with *	

Results Approved By

Dragana Tomas, Senior Chemist Hannah Nguyen, Senior Chemist Jaimie Loa-Kum-Cheung, Metals Supervisor Steven Luong, Organics Supervisor Authorised By

Nancy Zhang, Laboratory Manager



vTRH(C6-C10)/BTEXN in Soil						
Our Reference		244432-1	244432-2	244432-3	244432-4	244432-5
Your Reference	UNITS	200607-1	200607-2	200607-3	200607-4	200607-5
Depth		0-150mm	0-150mm	50-200mm	50-200mm	50-200mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
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	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	113	118	107	98	118

vTRH(C6-C10)/BTEXN in Soil						
Our Reference		244432-6	244432-7	244432-8	244432-9	244432-10
Your Reference	UNITS	200607-6	200607-7	200607-8	200607-9	200607-10
Depth		50-200mm	50-200mm	50-200mm	50-200mm	100-250mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
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	<3	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	114	108	111	95	109

vTRH(C6-C10)/BTEXN in Soil					
Our Reference		244432-11	244432-12	244432-13	244432-14
Your Reference	UNITS	200607-11	200607-12	200607-13	200607-14
Depth		0-150mm	100-250mm	150-300mm	50-200mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020
TRH C6 - C9	mg/kg	<25	<25	<25	<25
TRH C6 - C10	mg/kg	<25	<25	<25	<25
vTPH C ₆ - C ₁₀ less BTEX (F1)	mg/kg	<25	<25	<25	<25
Benzene	mg/kg	<0.2	<0.2	<0.2	<0.2
Toluene	mg/kg	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	mg/kg	<1	<1	<1	<1
m+p-xylene	mg/kg	<2	<2	<2	<2
o-Xylene	mg/kg	<1	<1	<1	<1
naphthalene	mg/kg	<1	<1	<1	<1
Total +ve Xylenes	mg/kg	<3	<3	<3	<3
Surrogate aaa-Trifluorotoluene	%	106	117	114	114

svTRH (C10-C40) in Soil						
Our Reference		244432-1	244432-2	244432-3	244432-4	244432-5
Your Reference	UNITS	200607-1	200607-2	200607-3	200607-4	200607-5
Depth		0-150mm	0-150mm	50-200mm	50-200mm	50-200mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
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	<100
TRH >C10 -C16	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	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	97	95	108	104	96

svTRH (C10-C40) in Soil						
Our Reference		244432-6	244432-7	244432-8	244432-9	244432-10
Your Reference	UNITS	200607-6	200607-7	200607-8	200607-9	200607-10
Depth		50-200mm	50-200mm	50-200mm	50-200mm	100-250mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	11/06/2020
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	<100
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	<100
TRH >C ₃₄ -C ₄₀	mg/kg	<100	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50	<50
Surrogate o-Terphenyl	%	94	94	103	94	94

Envirolab Reference: 244432

svTRH (C10-C40) in Soil					
Our Reference		244432-11	244432-12	244432-13	244432-14
Your Reference	UNITS	200607-11	200607-12	200607-13	200607-14
Depth		0-150mm	100-250mm	150-300mm	50-200mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	11/06/2020	11/06/2020	11/06/2020	11/06/2020
TRH C ₁₀ - C ₁₄	mg/kg	<50	<50	<50	<50
TRH C ₁₅ - C ₂₈	mg/kg	<100	<100	<100	<100
TRH C ₂₉ - C ₃₆	mg/kg	<100	<100	<100	<100
TRH >C ₁₀ -C ₁₆	mg/kg	<50	<50	<50	<50
TRH >C ₁₀ - C ₁₆ less Naphthalene (F2)	mg/kg	<50	<50	<50	<50
TRH >C ₁₆ -C ₃₄	mg/kg	<100	<100	<100	<100
TRH >C34 -C40	mg/kg	<100	<100	<100	<100
Total +ve TRH (>C10-C40)	mg/kg	<50	<50	<50	<50
Surrogate o-Terphenyl	%	94	95	94	99

PAHs in Soil						
Our Reference		244432-1	244432-2	244432-3	244432-4	244432-5
Your Reference	UNITS	200607-1	200607-2	200607-3	200607-4	200607-5
Depth		0-150mm	0-150mm	50-200mm	50-200mm	50-200mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	103	102	109	100	102

Envirolab Reference: 244432

PAHs in Soil						
Our Reference		244432-6	244432-7	244432-8	244432-9	244432-10
Your Reference	UNITS	200607-6	200607-7	200607-8	200607-9	200607-10
Depth		50-200mm	50-200mm	50-200mm	50-200mm	100-250mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date extracted	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	102	101	93	100	97

Envirolab Reference: 244432

PAHs in Soil					
Our Reference		244432-11	244432-12	244432-13	244432-14
Your Reference	UNITS	200607-11	200607-12	200607-13	200607-14
Depth		0-150mm	100-250mm	150-300mm	50-200mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil
Date extracted	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	mg/kg	<0.1	<0.1	<0.1	<0.1
Acenaphthene	mg/kg	<0.1	<0.1	<0.1	<0.1
Fluorene	mg/kg	<0.1	<0.1	<0.1	<0.1
Phenanthrene	mg/kg	<0.1	<0.1	<0.1	<0.1
Anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1
Fluoranthene	mg/kg	<0.1	<0.1	<0.1	<0.1
Pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1
Chrysene	mg/kg	<0.1	<0.1	<0.1	<0.1
Benzo(b,j+k)fluoranthene	mg/kg	<0.2	<0.2	<0.2	<0.2
Benzo(a)pyrene	mg/kg	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.1	<0.1	<0.1	<0.1
Dibenzo(a,h)anthracene	mg/kg	<0.1	<0.1	<0.1	<0.1
Benzo(g,h,i)perylene	mg/kg	<0.1	<0.1	<0.1	<0.1
Total +ve PAH's	mg/kg	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene TEQ calc (zero)	mg/kg	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(half)	mg/kg	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene TEQ calc(PQL)	mg/kg	<0.5	<0.5	<0.5	<0.5
Surrogate p-Terphenyl-d14	%	100	100	101	103

Envirolab Reference: 244432

Acid Extractable metals in soil						
Our Reference		244432-1	244432-2	244432-3	244432-4	244432-5
Your Reference	UNITS	200607-1	200607-2	200607-3	200607-4	200607-5
Depth		0-150mm	0-150mm	50-200mm	50-200mm	50-200mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Arsenic	mg/kg	<4	4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	28	27	21	26	22
Copper	mg/kg	10	12	9	13	10
Lead	mg/kg	11	12	11	12	11
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	14	17	13	24	15
Zinc	mg/kg	34	24	19	25	23

Acid Extractable metals in soil						
Our Reference		244432-6	244432-7	244432-8	244432-9	244432-10
Your Reference	UNITS	200607-6	200607-7	200607-8	200607-9	200607-10
Depth		50-200mm	50-200mm	50-200mm	50-200mm	100-250mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Arsenic	mg/kg	<4	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	27	23	26	24	27
Copper	mg/kg	12	11	12	12	14
Lead	mg/kg	12	12	13	17	13
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	18	13	18	18	24
Zinc	mg/kg	26	20	27	24	30

Envirolab Reference: 244432

Acid Extractable metals in soil					
Our Reference		244432-11	244432-12	244432-13	244432-14
Your Reference	UNITS	200607-11	200607-12	200607-13	200607-14
Depth		0-150mm	100-250mm	150-300mm	50-200mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Arsenic	mg/kg	<4	<4	<4	<4
Cadmium	mg/kg	<0.4	<0.4	<0.4	<0.4
Chromium	mg/kg	23	31	34	24
Copper	mg/kg	9	14	13	9
Lead	mg/kg	12	13	12	10
Mercury	mg/kg	<0.1	<0.1	<0.1	<0.1
Nickel	mg/kg	13	32	24	12
Zinc	mg/kg	18	31	24	20

Envirolab Reference: 244432

Moisture						
Our Reference		244432-1	244432-2	244432-3	244432-4	244432-5
Your Reference	UNITS	200607-1	200607-2	200607-3	200607-4	200607-5
Depth		0-150mm	0-150mm	50-200mm	50-200mm	50-200mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	11/06/2020	11/06/2020	11/06/2020	11/06/2020	11/06/2020
Moisture	%	6.1	8.8	5.4	7.9	6.5
Moisture						

Moisture						
Our Reference		244432-6	244432-7	244432-8	244432-9	244432-10
Your Reference	UNITS	200607-6	200607-7	200607-8	200607-9	200607-10
Depth		50-200mm	50-200mm	50-200mm	50-200mm	100-250mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil	Soil
Date prepared	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	11/06/2020	11/06/2020	11/06/2020	11/06/2020	11/06/2020
Moisture	%	8.5	8.8	12	11	11

Moisture					
Our Reference		244432-11	244432-12	244432-13	244432-14
Your Reference	UNITS	200607-11	200607-12	200607-13	200607-14
Depth		0-150mm	100-250mm	150-300mm	50-200mm
Date Sampled		05/06/2020	05/06/2020	05/06/2020	05/06/2020
Type of sample		Soil	Soil	Soil	Soil
Date prepared	-	10/06/2020	10/06/2020	10/06/2020	10/06/2020
Date analysed	-	11/06/2020	11/06/2020	11/06/2020	11/06/2020
Moisture	%	9.8	8.3	8.5	10

Method ID	Methodology Summary
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Metals-020	Determination of various metals by ICP-AES.
Metals-021	Determination of Mercury by Cold Vapour AAS.
Org-020	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-020	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-022/025	Soil samples are extracted with Dichloromethane/Acetone and waters with Dichloromethane and analysed by GC-MS and/or GC-MS/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 "total="" 'eq="" +ve="" 2.="" 3.="" <pql="" a="" above.="" actually="" all="" and="" approach="" approaches="" are="" as="" assuming="" at="" be="" below="" between="" but="" calculation="" can="" conservative="" contribute="" contributing="" false="" give="" given="" half="" hence="" individual="" is="" least="" lowest="" may="" mid-point="" more="" most="" negative="" not="" note,="" of="" pahs="" pahs"="" pahs.<="" positive="" pql="" pql'values="" pql.="" present="" present.="" reflective="" reported="" simply="" stipulated="" sum="" susceptible="" teq="" teqs="" th="" that="" the="" therefore="" this="" to="" total="" when="" zero'values="" zero.=""></pql>
Org-023	Soil samples are extracted with methanol and spiked into water prior to analysing by purge and trap GC-MS.
Org-023	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.

Envirolab Reference: 244432

Method ID	Methodology Summary
Org-023	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.

Envirolab Reference: 244432
Revision No: R00
Page | 13 of 19

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Du		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	244432-2
Date extracted	-			10/06/2020	1	10/06/2020	10/06/2020		10/06/2020	10/06/2020
Date analysed	-			10/06/2020	1	10/06/2020	10/06/2020		10/06/2020	10/06/2020
TRH C ₆ - C ₉	mg/kg	25	Org-023	<25	1	<25	<25	0	103	108
TRH C ₆ - C ₁₀	mg/kg	25	Org-023	<25	1	<25	<25	0	103	108
Benzene	mg/kg	0.2	Org-023	<0.2	1	<0.2	<0.2	0	99	105
Toluene	mg/kg	0.5	Org-023	<0.5	1	<0.5	<0.5	0	120	120
Ethylbenzene	mg/kg	1	Org-023	<1	1	<1	<1	0	108	115
m+p-xylene	mg/kg	2	Org-023	<2	1	<2	<2	0	95	101
o-Xylene	mg/kg	1	Org-023	<1	1	<1	<1	0	92	97
naphthalene	mg/kg	1	Org-023	<1	1	<1	<1	0	[NT]	[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	127	1	113	108	5	112	107

QUALITY CONTROL: vTRH(C6-C10)/BTEXN in Soil						Du		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	11	10/06/2020	10/06/2020			[NT]
Date analysed	-			[NT]	11	10/06/2020	10/06/2020			[NT]
TRH C ₆ - C ₉	mg/kg	25	Org-023	[NT]	11	<25	<25	0		[NT]
TRH C ₆ - C ₁₀	mg/kg	25	Org-023	[NT]	11	<25	<25	0		[NT]
Benzene	mg/kg	0.2	Org-023	[NT]	11	<0.2	<0.2	0		[NT]
Toluene	mg/kg	0.5	Org-023	[NT]	11	<0.5	<0.5	0		[NT]
Ethylbenzene	mg/kg	1	Org-023	[NT]	11	<1	<1	0		[NT]
m+p-xylene	mg/kg	2	Org-023	[NT]	11	<2	<2	0		[NT]
o-Xylene	mg/kg	1	Org-023	[NT]	11	<1	<1	0		[NT]
naphthalene	mg/kg	1	Org-023	[NT]	11	<1	<1	0		[NT]
Surrogate aaa-Trifluorotoluene	%		Org-023	[NT]	11	106	117	10		[NT]

QUALITY CO	NTROL: svT	RH (C10	-C40) in Soil			Du	plicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	244432-2	
Date extracted	-			10/06/2020	1	10/06/2020	10/06/2020		10/06/2020	10/06/2020	
Date analysed	-			10/06/2020	1	10/06/2020	10/06/2020		10/06/2020	10/06/2020	
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-020	<50	1	<50	<50	0	115	86	
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-020	<100	1	<100	<100	0	113	118	
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-020	<100	1	<100	<100	0	77	108	
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-020	<50	1	<50	<50	0	115	86	
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-020	<100	1	<100	<100	0	113	118	
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-020	<100	1	<100	<100	0	77	108	
Surrogate o-Terphenyl	%		Org-020	96	1	97	96	1	117	85	

QUALITY CO	NTROL: svT	RH (C10	-C40) in Soil			Du	plicate		Spike Re	covery %
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	11	10/06/2020	10/06/2020			[NT]
Date analysed	-			[NT]	11	11/06/2020	11/06/2020			[NT]
TRH C ₁₀ - C ₁₄	mg/kg	50	Org-020	[NT]	11	<50	<50	0		[NT]
TRH C ₁₅ - C ₂₈	mg/kg	100	Org-020	[NT]	11	<100	<100	0		[NT]
TRH C ₂₉ - C ₃₆	mg/kg	100	Org-020	[NT]	11	<100	<100	0		[NT]
TRH >C ₁₀ -C ₁₆	mg/kg	50	Org-020	[NT]	11	<50	<50	0		[NT]
TRH >C ₁₆ -C ₃₄	mg/kg	100	Org-020	[NT]	11	<100	<100	0		[NT]
TRH >C ₃₄ -C ₄₀	mg/kg	100	Org-020	[NT]	11	<100	<100	0		[NT]
Surrogate o-Terphenyl	%		Org-020	[NT]	11	94	94	0		[NT]

Envirolab Reference: 244432

QUALIT	Y CONTRO	L: PAHs	in Soil			Du	plicate		Spike Re	covery %
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	244432-2
Date extracted	-			10/06/2020	1	10/06/2020	10/06/2020		10/06/2020	10/06/2020
Date analysed	-			10/06/2020	1	10/06/2020	10/06/2020		10/06/2020	10/06/2020
Naphthalene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	120	120
Acenaphthylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluorene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	114	106
Phenanthrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	108	102
Anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	110	102
Pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	114	106
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Chrysene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	96	92
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	<0.2	1	<0.2	<0.2	0	[NT]	[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	<0.05	1	<0.05	<0.05	0	116	106
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	<0.1	1	<0.1	<0.1	0	[NT]	[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	104	1	103	102	1	106	102

QUA	LITY CONTRO	L: PAHs	in Soil			Du	plicate		Spike Re	covery %
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date extracted	-			[NT]	11	10/06/2020	10/06/2020			[NT]
Date analysed	-			[NT]	11	10/06/2020	10/06/2020			[NT]
Naphthalene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Acenaphthylene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Acenaphthene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Fluorene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Phenanthrene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Anthracene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Fluoranthene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Pyrene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Benzo(a)anthracene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Chrysene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Benzo(b,j+k)fluoranthene	mg/kg	0.2	Org-022/025	[NT]	11	<0.2	<0.2	0		[NT]
Benzo(a)pyrene	mg/kg	0.05	Org-022/025	[NT]	11	<0.05	<0.05	0		[NT]
Indeno(1,2,3-c,d)pyrene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Dibenzo(a,h)anthracene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Benzo(g,h,i)perylene	mg/kg	0.1	Org-022/025	[NT]	11	<0.1	<0.1	0		[NT]
Surrogate p-Terphenyl-d14	%		Org-022/025	[NT]	11	100	100	0		[NT]

QUALITY CONT	ROL: Acid E	xtractable	e metals in soil			Du	plicate		Spike Recovery %		
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-6	244432-2	
Date prepared	-			10/06/2020	1	10/06/2020	10/06/2020		10/06/2020	10/06/2020	
Date analysed	-			10/06/2020	1	10/06/2020	10/06/2020		10/06/2020	10/06/2020	
Arsenic	mg/kg	4	Metals-020	<4	1	<4	<4	0	100	91	
Cadmium	mg/kg	0.4	Metals-020	<0.4	1	<0.4	<0.4	0	102	105	
Chromium	mg/kg	1	Metals-020	<1	1	28	27	4	108	98	
Copper	mg/kg	1	Metals-020	<1	1	10	9	11	103	106	
Lead	mg/kg	1	Metals-020	<1	1	11	11	0	105	101	
Mercury	mg/kg	0.1	Metals-021	<0.1	1	<0.1	<0.1	0	100	94	
Nickel	mg/kg	1	Metals-020	<1	1	14	12	15	106	100	
Zinc	mg/kg	1	Metals-020	<1	1	34	29	16	106	104	

QUALITY CONT	QUALITY CONTROL: Acid Extractable metals in soil						Duplicate					
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]		
Date prepared	-			[NT]	11	10/06/2020	10/06/2020			[NT]		
Date analysed	-			[NT]	11	10/06/2020	10/06/2020			[NT]		
Arsenic	mg/kg	4	Metals-020	[NT]	11	<4	<4	0		[NT]		
Cadmium	mg/kg	0.4	Metals-020	[NT]	11	<0.4	<0.4	0		[NT]		
Chromium	mg/kg	1	Metals-020	[NT]	11	23	24	4		[NT]		
Copper	mg/kg	1	Metals-020	[NT]	11	9	9	0		[NT]		
Lead	mg/kg	1	Metals-020	[NT]	11	12	13	8		[NT]		
Mercury	mg/kg	0.1	Metals-021	[NT]	11	<0.1	<0.1	0		[NT]		
Nickel	mg/kg	1	Metals-020	[NT]	11	13	12	8		[NT]		
Zinc	mg/kg	1	Metals-020	[NT]	11	18	17	6		[NT]		

Envirolab Reference: 244432

Result Definiti	ons
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 Contro	ol 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.

The recommended maximums for analytes in urine are taken from "2018 TLVs and BEIs", as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

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: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-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.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Envirolab Reference: 244432 Page | 19 of 19



CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Client: East West Enviroag			<u> </u>	J Client	Projec	t Nam	e / Nui	mber /	Site e	tc (ie r	eport (title):		P	n us 95)	17 2505	, iap@r	npi.com	.au	:	
Contact Person: Ashley Welch:		::::::: <u>.</u>			·· : ··		· : '':	EW20	0607		<u>: : :.</u>	<u> </u>	: ···:	.:.	 1elbouri	ne Lab	Envirola	b Servic	es : :		: :
Phone: 02 6762 1733		·:	<u> </u>	PO No	.: EW2	00607	··· :		<u> </u>			·.:	**.: <u>,</u>				Scores	•		··.	:
Sampler: AW	** *			Enviro	lab Qu	ote No). :		• • • • • • • • • • • • • • • • • • • •		· · · · ·			P	n 03 976	3 2500 ,	/ meibo	urne@e	envirolab.com.	au.	
Address: 82 Plain Street Tamworth	· · · · · · · · · · · · · · · · · · ·			Standa Note: 1 surcha	: ard <i>Inform I</i> rges ap	ply	dvance i	·	nt turna	round is	s requir	ed -		2 P	0a, 10-2 h 07 326 delaide	0 Depot 56 9532 <u>Office</u> -	Envirola	/o, QLD ne@en b Servic	4014 virolab.com.a	u	•
Phone: 02 6762 1733	Mob:	0447 116 81	L8 ,				at / eq	uis /	·								orwood, / adelai		7 virolab.com.a	li	
Email: stephanie.c@eastwe ashley.w@eastwesto admin @eastwestonl	nline.com.au			Lab (Comn	nents		. ;		: '. :::::	: . : .				· · · ::		: ::::::::::::::::::::::::::::::::::::			<u>.</u>	
Sam	ple information	1						· ·	•	Test	ts Requ	iired		:					Co	mments	
Envirolab Client Sample ID or Sample ID information	Depth	Date sampled	Type of sample																informat	de as mucl tion about e as you ca	the
200607-1	0-150mm	5/06/2020	Soil	1	TR		TEX,	8 hea	vv m	etals	PΔF	ls on	all sa	mple	es (co	mbo	3)			; :::	
200607-2	0-150mm	5/06/2020	Soil			, _		- 1100			,		<u> </u>		0,00	711120	<u> </u>	•			
1 200607-3	50-200mm	5/06/2020	Soil					- :			-						- : ,			· ·	
4 200607-4	50-200mm	5/06/2020	Soil	<u> </u>	:-				;		- ;			::		;			 	:	-
200607-5	50-200mm	5/06/2020	Soil		. 2		: :]		· · · · · · · · · · · · · · · · · · ·	Servic		.:	:	:	- :
6 200607-6	50-200mm	5/06/2020	Soil	· ·							:	€ŃŶ	ROLAB			Ashley		.:.	-	,	
ㅋ 200607-7	· 50-200mm	5/06/2020	. Soil	1:::	·-					, .	<u> </u>			-Chai	swood h: (02) !	NSW 20 1910 62	00		. :	· · ·	
8 200607-8	50-200mm	5/06/2020	Soil	: ::::	-			• • • • • • • • • • • • • • • • • • • •				<u>Jot</u>	No:			. 4	441	137		•:	
9 200607-9	50-200mm	5/06/2020	Soil					: ::	-	:	<u> </u>	· ;:	a Basis	ved:		::	à	16	0	. ' ::	
N 200607-10	100-250mm	5/06/2020	Soil					•				Tin	e Rece					TO			
\\ 200607-11	0-150mm	5/06/2020	Soil			-	·÷		• • • • •	:	. : . : : .	Red	eved	VO &	<u>()</u>				,		
1 200607-12	100-250mm	5/06/2020	Soil							:		Ter	na: Coo	elicen			· · ·	· · ·			. :
(5) 200607-13	150-300mm	5/06/2020	Soil	ŀ	- ,				·· ·.	, -		Se	curity: 1		okén/N	one		. :.			
[4] 200607-14	50-200mm	5/06/2020	Soil	71 :		. : :		·: : .		: :.				-							
									12.0	اللما						. :					
Relinquished by (Company): East W Print Name: Ashley Welch	est			Print I	Name:		any):		ers bho	201	· M((OM		Samp		:eivęd:			ient (circle		
Date & Time: 05/06/2020 Signature: 302	nt, Issued 22/05/	12, Version 5,	Page 1 of 1.	Signal	k Time ture:			- 4	مام			W~	· :.					He.	(if appli	(able)	: `:

Sydney Lab - Envirolab Services

<u>Perth Lab</u> - MPL Laboratories 16-18 Hayden Crt Myaree, WA 6154

12 Ashley St, Chatswood, NSW 2067 Ph 02 9910 6200 / sydney@envirolab.com.au



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

SAMPLE RECEIPT ADVICE

Client Details	
Client	East West Enviroag Pty Ltd
Attention	Ashley Welch

Sample Login Details		
Your reference	EW200607	
Envirolab Reference	244432	
Date Sample Received	09/06/2020	
Date Instructions Received	09/06/2020	
Date Results Expected to be Reported	16/06/2020	

Sample Condition	
Samples received in appropriate condition for analysis	Yes
No. of Samples Provided	14 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	11.3
Cooling Method	None
Sampling Date Provided	YES

Comments	
Nil	

Please direct any queries to:

Aileen Hie	Jacinta Hurst
Phone: 02 9910 6200	Phone: 02 9910 6200
Fax: 02 9910 6201	Fax: 02 9910 6201
Email: ahie@envirolab.com.au	Email: jhurst@envirolab.com.au

Analysis Underway, details on the following page:



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

Sample ID	vTRH(C6-C10)/BTEXN in Soil	svTRH (C10-C40) in Soil	PAHs in Soil	Acid Extractable metalsin soil
200607-1-0-150mm	✓	✓	✓	✓
200607-2-0-150mm	✓	✓	✓	✓
200607-3-50-200mm	✓	✓	✓	✓
200607-4-50-200mm	✓	✓	✓	✓
200607-5-50-200mm	✓	✓	✓	✓
200607-6-50-200mm	✓	✓	✓	✓
200607-7-50-200mm	✓	✓	✓	✓
200607-8-50-200mm	✓	✓	✓	✓
200607-9-50-200mm	✓	✓	✓	✓
200607-10-100-250mm	✓	✓	✓	✓
200607-11-0-150mm	✓	✓	✓	✓
200607-12-100-250mm	✓	✓	✓	✓
200607-13-150-300mm	✓	✓	✓	✓
200607-14-50-200mm	✓	✓	✓	✓

The '√' indicates the testing you have requested. THIS IS NOT A REPORT OF THE RESULTS.

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.

Requests for longer term sample storage must be received in writing.

Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.

TAT for Micro is dependent on incubation. This varies from 3 to 6 days.



SOIL SAMPLING LOG SHEET

Project ID: EW 200 607	Date and Time: 5th June 2020 9:00	Oam Sampled by: AWWA
Client Details: Mackellar Excauations	Sampling Location:	16 Torrens Road

EW Sample ID	Site Name	Client ID # Hole/ Pit #	Co-ordinates/ GPS	Depth and Units	Description/ Comments	Number of Samples
200607-1		591	30° 57. 536 N 150° 13. 144 E	0-150	50,1 on western boundary, along border	/
200607-2		SP2	30° 57 - 542	0-150	"	/
200607-3		583	30°57-545	50-200 0-150 SM	50 mm Rogalbase.	1
200607-4		SP 4	30° 57.549	Control Contro	" on midpoint of site, along border of lot 1	(
200607-5		SP 5	30° - 57 - 552	50-200	u i((
200607-6		SP 6	30° 57. 557	50-200	I.f.	1
200607-7		se 7	30° 57. 560 150° 13-208	50 -200	dong border on eastern boundary.	(
200607-8		SP 8	300 57.559	50 -200	", on eastern side of lot 2 along border	(
200607-9		sp 9	30° 57.554	50 - 200	16 10	j
200607-10		SP 10	300. 57. 550	100-250	100mm R'base	1

Document ID: WSS-01A Issued by: A. Michie

Issue No: 1

Date of issue: 10/10/2012



1		

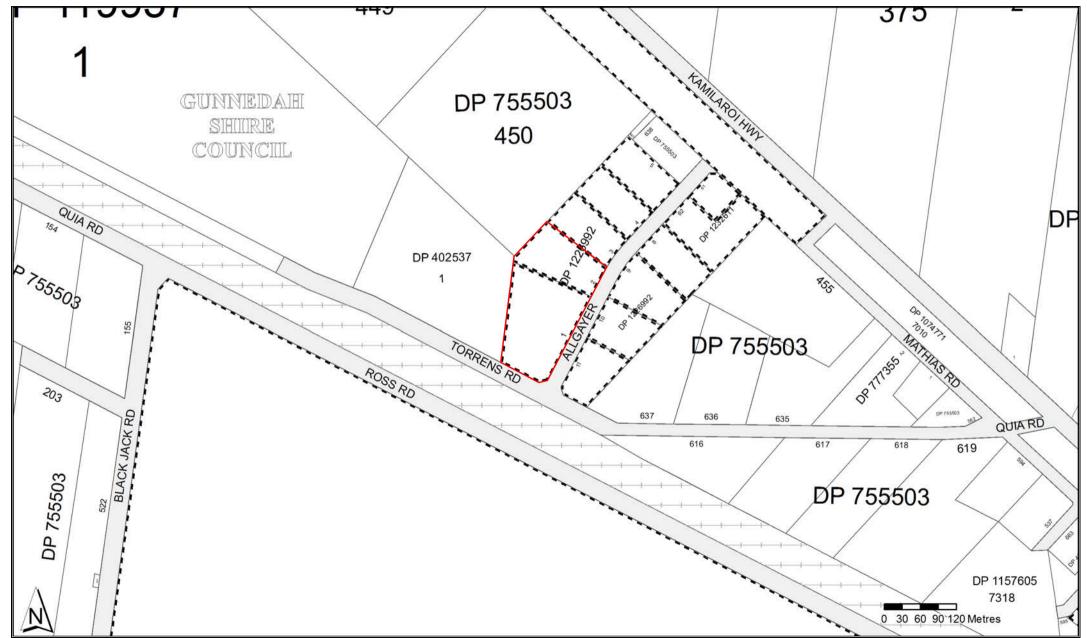
EW Sample ID	Site Name	Client ID # Hole/ Pit #	GPS 30° 57.544	Depth and Units		Description/ Comments	Number of Samples
200607-1		SPIL	150° . 13 . 212	0-150	50.1		1
200607-12		SP12	30.57.508	100 - 250	81	100 MM Koadbase	1
200607-12 200607-13 200607-14		SP 13	30° 57. 527	150 -300	44	150mm	1
200607-14		SP 14	30° 57. 508 150° 13. 175	\$50-200	¥(sonn	1
	-						
				-			i i



Cadastral Records Enquiry Report: Lot 1 DP 1226992

Ref: Gunnedah 16 Torrens Rd

Locality : GUNNEDAHParish : GUNNEDAHLGA : GUNNEDAHCounty : POTTINGER



Page 1 of 3

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/Prt:12-May-2020 Torrens Rd _____

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DP1226992

PLAN FORM 2 (A2) WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION ePlan Sheet 1 of 1 sheets SCHEDULE OF CURVED BOUNDARIES LINE CH. BEARING CH. DISTANCE ARC RADIUS 1 201°30'50" 12.025 233 12.02 KAMILAROJ DP1209981 CONNECTIONS 50.405 233 209°11'25" 50.31 390 **DIAGRAM 1** 3 27°42'45" 55.835 209 FROM BEARING DISTANCE DP755503 DIAGRAM 2 SSM 181637 | SSM 181638 | 16°20'43" | 224.533 M N SSM 181638 | SSM 181339 | 38°43'30" 242.75 SSM 181639 | SSM 2085 | 316°23'53" | 519.831 SEE DIAG. 1 DP755503 SSM 2085 PM 84468 127°08'44" 1111,208 RMBOX15 DP755503 DIAGRAM 5 382 DP755503 TORRENS 7010 375 DP1074926 HICHWAY DP119957 7010 DP755503 RO_{AD} 638 750 DP755503 DP1074926 DP863220 638 450 DP755503 DP755503 DP755503 DP402537 SEE DIAG. 5 5 TORRENS
RM SSM 181637 RD
PLACED 635 7 809m QUIA ROAD 6 6 7,170m² 7.498m² SURVEYING AND SPATIAL INFORMATION REGULATION 2012; CLAUSE 35(1)(b) SEE DIAG. 1 M.G.A. CO-ORDINATES 7.364m² 3 MARK CLASS ORDER METHOD EASTING NORTHING 7010 7.651m² II N/A HAND HELD GNSS FOUND SSM 2085 234357 6572212 DP1074771 U N/A HAND HELD GNSS FOUND PM 84468 235148 6571431 8 SSM 181639 U N/A HAND HELD GNSS PLACED 234663 6571792 U N/A HAND HELD GNSS PLACED SSM 181637 234397 6571418 U N/A HAND HELD GNSS PLACED SSM 181638 234488 6571624 455 SEE DIAG. 4 9,530m² GNSS OBERVATIONS WERE USED ON LINES GREATER THAN 100m DP755503 9 SEE 8,001m² DIAGRAM 4 10 DP402537 6,940m² 1.826ha **DIAGRAM 3** 3 DP777355 635 636 DP755503 637 11 DP755503 ROAD 24 WIDE DP755503 6.900m TORRENS (Z) RM SSM 181637 D 212,65 BY SURVEY AND P6285 S. (30.175 WIDE) ROAD HUDINT FCE (20YRS) 2 ROAD (20.115 WIDE) (Y) 10 (W) EASEMENT TO DRAIN SEWAGE 3 WIDE
(X) EASEMENT TO DRAIN WATER 15 WIDE
(Y) EASEMENT TO DRAIN WATER 8 WIDE
(Z) EASEMENT FOR MULTI PURPOSE ELECTRICAL INSTALLATION 4.2 WIDE SCHEDULE OF REFERENCE MARKS COR. BEARING DISTANCE C 35°24' 5.165 & 18.865 R.M.D.H.&W'S CLIFFORD R. STEWART Registered PLAN OF LGA: GUNNEDAH 5.205 & 18.805 R.M.D.H.&W'S F 287°09' 5.21 & 18.84 R.M.D.H.&W'S GUNNEDAH SUBDIVISION OF LOT 454 IN DP 755503 Locality GUNNEDAH NSW 2380 DP1226992 G 110°02' 5.21 & 18.805 R.M.D.H.&W'S 2.3.2017 Subdivision No: 1056729 H 26°43' R.M.G.I.P. Date of Survey: 7th November 2016 Lengths are in metres. Reduction Ratio 1: 2,000 Surveyor's Ref : 3961 20 30 k0 50 Table of mm 90 100 110 120 130 140

DEPOSITED PLAN ADMI	NISTRATION SHEET Sheet 1 of 2 sheet(s)
Registered: 2.3.2017 Title System: TORRENS Purpose: SUBDIVISION	Office Use Only DP1226992
PLAN OF SUBDIVISION OF LOT 454 IN DP 755503	LGA: GUNNEDAH Locality: GUNNEDAH Parish: GUNNEDAH County: POTTINGER
Crown Lands NSW/Western Lands Office Approval	Survey Certificate I, CLIFFORD R. STEWART. of STEWART SURVEYS PTYLTD P.O. BOX 592 GUNNEDAH. ACN 002 886 508 a surveyor registered under the Surveying and Spatial Information Act, 2002, certify that *(a) The land showed in the plan was surveyed in accordance with the Surveying and Spatial Information Regulation, 2012, is accurate and the survey was completed on:
Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A	If space is insufficient continue on Plan Form 6A Surveyor's Reference: 3961

DEPOSITED PLAN ADMINISTRATION SHEET

Sheet 2 of 2 sheet(s)

Office Use Only

Office Use Only

Registered:

2.3.2017

DP1226992

PLAN OF

SUBDIVISION OF LOT 454 IN DP 755503

Subdivision Certificate number: 1056729

Date of Endorsement: 10 FEBRUARY 2017

Signatures, Seals and Section 88B Statements

This sheet is for the provision of the following information as require. A schedule of lots and addresses - See 60(c) SSI regulation 2012 Statements of intention to create and release affecting interests in accordance with section 88B Conveyancing Act 1919 Signatures and Seals - see 195D Conveyancing Act 1919 Any information which cannot fit into the appropriate panel of sheet 1 of the administration sheets.

SUF	RVEYING	G AND SPATIAL INFORMATIO	N REGULAT	TON 2012: Cl. 60(c)
LOT		STREET REFERENCE		LOCALITY
	No.	NAME	TYPE	LOOALITI
1	N/A	N/A	N/A	GUNNEDAH
2	N/A	N/A	N/A	GUNNEDAH
3	N/A	N/A	N/A	GUNNEDAH
4	N/A	N/A	N/A	GUNNEDAH
5	N/A	N/A	N/A	GUNNEDAH
6	N/A	N/A	N/A	GUNNEDAH
7	N/A	N/A	N/A	GUNNEDAH
8	N/A	N/A	N/A	GUNNEDAH
9	N/A	N/A	N/A	GUNNEDAH
10	N/A	N/A	N/A	GUNNEDAH
11	N/A	N/A	N/A	GUNNEDAH

PURSUANT TO SEC 88B OF THE CONVEYANCING ACT, 1919

- IT IS INTENDED TO CREATE:
- 1] EASEMENT TO DRAIN SEWAGE 3 WIDE
- 2] EASEMENT TO DRAIN WATER 15 WIDE
- 31 EASEMENT TO DRAIN WATER 6 WIDE
- 4] EASEMENT FOR MULTI PURPOSE ELECTRICAL INSTALLATION 4.2 WIDE

BRENDON MACKELLAR SOLE DIRECTOR/SECRETARY EXECUTED BY MACKELLAR EQUIPMENT HIRE PTY LTD ACN 129 678 815 BY ITS AUTHORISED OFFICERS SEC 127 CORP. ACT 2001

PRA KASH KENT ST. SYDNEY NSW 2000 WITHE SS

Khaller RICHARD WALMER TIER TWO AMODILEY WESTPAC BANKING CORPORATION BOOK 4299 NO 332

Surveyor's Reference:

3961

NEW SOUTH WALES



53431

Registrar General

WARNING: THIS DOCUMENT MUST NOT BE REMOVED FROM THE REGISTRAR GENERAL'S OFFICE.

We, Elizabeth the Second, by the Grace of God Queen of Australia and Her other Realms and Territories, Head of the Commonwealth, do hereby grant to the person described in the First Schedula an Estate in Fee Simple in the land within described, subject nevertheless to such reservations, conditions and other provisions as are shown in the Second Schedule. In testimony whereof We have caused this Our Grant to be seeled with the seal of Our said State

Witness Our Governor of Our State of New South Wales and its Dependencies in the Commonwealth of Australia, at Sydney in Our said State, this twenty third day of October and in the year of Our Lord one thousand nine hundred and eighty.

in the twenty ninth

A Re Cutter

PLAN SHOWING LOCATION OF LAND LENGTHS ARE IN METRES

CANCELLED

SEE AUTO FOLIO

640 638 455 10.57 450 639 D. P. 402537 WIDE POAD

REDUCTION RATIO 1:5000

LAND REFERRED TO

Portion 454 in the Shire of Gunnedah Parish of Gunnedah and County of Pottinger.

FIRST SCHEDULE

COMMONWEALTH THAT HIT BANK OF AUSTRALIA:

MORTGAGEE

SECOND SCHEDULE

- GRM 1. The reservation and exception unto Us Our Heirs and Successors of:
 - all minerals which the said land contains with full power and authority for Us Our Heirs and Successors and such person or persons as shall from time to time be authorised by Us or Them to enter upon the said land and to search for mine dig and remove the said minerals;
 - all such parts and so much of the said land as may hereafter be required for public ways in over and through the same to be set out by Our Governor for the time being of Our said State or some person by him authorised in that respect with full power for Us Our Heirs and Successors and for Our Governor as aforesaid by such person or persons as shall be by Us Them or him authorised in that behalf to make and conduct all such public ways; and
 - the right of full and free ingress egress and regress into out of and upon the said land for the several purposes eforesaid or any of them.
 - Restrictions on dealings see section 1298 Grown Lands Compolidation Act, 19 (G.H.P. 1921/17 Gurmedah). T357442
 - 3. Q1 Caveat by the Registrar General. Mortgage dated 28-7-1980: mortgagors Peter Wallace Brady and Colin Peter Brady. 75394502.

			FIRST SCI	HEDULE (con	tinued)					02 1.3 83
	REGISTERED P	ROPRIETOR				INSTRUM NATURE	ENT NUMBER	REGISTERED	Signature of Registrar General	T357442 RLA
Brady Holdings (GDAH) P	ty. Limited by Transfers T524502	. T524503.	Registered	26-5-1983.					Reman !	1524502 E
-30000000000000000000000000000000000000									1	- 036 - 040
				<u> </u>		 :		1		-
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	SEE AUTO FOLID									
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the same		SECOND SCHEDULE (continued)	7	. 5		
INSTRUMENT NATURE N	IUMBER	PARTICULARS	REGISTERED	Signature of Registrar General	CANCELLATION	
		is directed to section 8 of the Land Aggregation Tax Management Act, 1971. E	egistered			
8-2-1983.				Servino.		
T524504 Mortgage	to Commons	realth Trading Bank of Australia. Registered 26-5-1983.		Bennita		
. N						
						1
·				 		
			-	 		

	:DL T524502 /Rev:24-Mar-2011 /NSW Registrar-General /Src:INFOTRACK /		56 /Seq:1 of 2
1978		R 1983 09 15	0524502
	ON.		OFFICE USE ONLY
	V 1	TRANSFER by way of _	DIL. OX
•	release of mortrag	PROPERTY ACT, 1900	
	NO TO STATE	Flons for Completion on back of form	\$ 32
•	Torrens Title Reference	If Part Only, Delete Whole and Give Details	Location
DESCRIPTION OF LAND Note (a)	Volume 14244 Folio 175	WHOLE	Parish of Gunnedah County of Pottinger
		<u> </u>	
TRANSFEROR Note (b)	COMMONWEALTH TRADING BANK CNR PITT ST AND MARTIN PLAG 2000		N OFFICE USE ONLY
ESTATE Note (c)	(the abovenamed TRANSFEROR) hereby acknowledges and transfers an estate in fee simple in the land above described to the TRANSFEREE	receipt of the consideration of \$1-00 (one of Mortgage	
TRANSFEREE Note (b)	Peter Wallis Brady of 34 Pa	almer Crescent Gunnedah and ah both STock and Station Ag	Colin Peter OFFICE USE ONLY gents
			OVER.
TENANCY Note (d)	- es-joint-tenants/tenants in common in equal	shares	
PRIOR ENCUMBRANCES Note (e)	subject to the following PRIOR ENCUMBRANCES I 2.	3	
••	DATE OF TRANSFER 22-11-82		
•	We hereby certify this dealing to be correct for the p	urposes of the Real Property Act, 1900.	
EXECUTION Note (f)	Signed in my presence by the transferor whe is person JOHN WILLIAM DIMENTO	who is Bhan and who is Attorney regis	CII SECURITIES OFFICER for the time being at Sydney the atterney mentioned and referred to in Power of stered in the Office of the Registrar-General, Book 3441
	Active L'aranch Securities Officer of the Commonwealth	or mo revocal	who hereby states that he has not received any notice tion of such Power of Atlamey.
	Fant of Australia, the diek constituted Attorney of the is personally of Witness (BLOCK LETTERS)		
	Samonae		Signature of Transferor
	Address and occupation of Witness G. D. HANSEN, J.P.		JOHN WILLIAM DIMENTO
Note (f)	Signed in my presence by the transferee who is person	ally known to me	<i>200</i>
Note (i)	C Bradbury		Mhi a
	CLENDA JOY CRADENTY		MAN
	Name of Witness (BLOCK LETTERS)		Both rady h.
	14 KTNG ST CUNKNAH NEW BA	IK OFFICER.	Signature of Transferee
TO BE COMPLETED BY LODGING PARTY	COMMONWEALTH TRADII	NG BANK	LOCATION OF DOCUMENTS
Notes (g) and (h)	BRANCH SECURIT	4 1202	Herewith.
	SYDNEY, PHONE 238-31 D.X. 1020 SYDNEY	55	In R.G.O. with
	24.I Delivery Box Number		
OFFICE USE ONLY	Extra Fee Checked REGISTERED 26		
	HS Zo	OFF RCX	Q I WITH DRAWN
	Registrar	General	
	<u> </u>		

INSTRUCTIONS FOR COMPLETION

This dealing should be marked by the Commissioner of Stamp Dutles before lodgment at the Registrar General's Office.

Typewriting and handwriting should be clear, legible and in permanent black non-copying ink.

Alterations are not to be made by erasure; the words rejected are to be ruled through and initialled by the parties to the dealing.

If the space provided is insufficient, additional sheets of the same size and quality of paper and having the same margins as this form should be used. Each additional sheet must be identified as an annexure and signed by the parties and the attesting witnesses.

If it is intended to create easements, covenants, &c., use forms RPI3A, RPI3B, RPI3C as appropriate.

The following instructions relate to the SIDE NOTES on the form.

- (a) Description of land:
 - (j) TORRENS TITLE REFERENCE. -Insert the current folio Identifier or Volume and Folio of the Certificate of Title/Crown Grant for the land being transferred, e.g., 135/SP12345 or Vol. 8514.Fol. 126.
 - (ii) PART/WHOLE.—If part only of the land in the folio of the Register is being transferred, delete the word "WHOLE" and insert the lot and plan number, portion, &c. See also sections 327 and 327AA of the Local Government Act, 1919.
- (iii) LOCATION.—Insert the locality shown on the Certificate of Title/Crown Grant, e.g., at Chullora. If the locality is not shown, insert the Parish and County, e.g., Ph. Lismore Co. Rous. (b) Show the full name, address and occupation or description.
- (c) If the estate being transferred is a lesser estate than an estate in fee simple, delete "fee simple" and insert appropriate estate.
- (d) Delete if only one transferee. If more than one transferee, delete either "joint tenants" or "tenants in common", and, if the transferees hold as tenants in common, state the shares in which they hold.
- (e) In the memorandum of prior encumbrances, state only the registered number of any mortgage, lease, charge or writ to which this dealing is subject.
- (f) Execution:
 - GENERALLY
- (i) Should there be insufficient space for execution of this dealing, use an annexure sheet.

 (ii) The certificate of correctness under the Real Property Act, 1900, must be signed by all parties to the transfer, each party to execute the dealing in the presence of an adult witness, not being a party to the dealing, to whom he is personally known.

 The solicitor for the transfere may sign the certificate on behalf of the transferee, the solicitor's name (not that of his firm), to be typewritten or printed adjacent to his signature. Any person falsely or negligently certifying is liable to the penalties provided by section 117 of the Real Property Act, 1900.

 (iii) If the transfer is executed by an attorney for the transferor/transferee pursuant to a registered power of attorney, the form of attestation must set out the full name of the attorney, and the form of execution must indicate the source of his authority, e.g., "Ab his attorney (or receiver or delegate, as the case may be) XY pursuant to power of attorney.

 No. and I declare that I have no notice of the revocation of the said power of attorney.

 (iii) If the transfer is executed by an execution must indicate the source of his authority, e.g., "Ab his attorney (or receiver or delegate, as the case may be) XY pursuant to power of attorney.

 No.
- ATTORNEY
- AUTHORITY
- If the transfer is executed pursuant to an authority (other than specified in (iii)) the form of execution must indicate the statutory, judicial or other authority pursuant to which the transfer has been executed. CORPORATION (v) If the transfer is executed by a corporation under seal, the form of execution should include a statement that the seal has been properly affixed, e.g., in accordance with the Articles of Association of the corporation. Each person attesting the affixing of the seal must state his position (e.g., director, secretary) in the corporation.
- (g) insert the name, postal address, Document Exchange reference, telephone number and delivery box number of the lodging party.
- (h) The lodging party is to complete the LOCATION OF DOCUMENTS panel. Place a tick in the appropriate box to indicate the whereabouts of the Certificate of Title. List, in an abbreviated form, other documents lodged, e.g., stat. dec. for statutory declaration, pbte for probate, L/A. for letters of administration, &c.

OFFICE USE ONLY

4 .	DIRECTION: PROP				FIRST SCHE	REDULE DIRECTIONS
(A)		(B) No.	(C) SHARE	(D)	(E)	NAME AND DESCRIPTION
					Conposite 1	mith 7524503.
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					SECOND SCHEDULE	LE & OTHER DIRECTIONS
(F)	FOLIO IDENTIFIER	(G) DIRI	ECTION	(H)NOTFI TYPE	() DEALING NUMBER	(K) DETAILS
					<u> </u> - 	



Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

12/5/2020 1:18PM

FOLIO: 454/755503

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 14244 FOL 175

Recorded	Number	Type of Instrument	C.T. Issue
12/12/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
30/1/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
23/7/1990	Z126294	DISCHARGE OF MORTGAGE	
23/7/1990	Z126295	TRANSFER	EDITION 1
16/4/1991		AMENDMENT: TITLE DIAGRAM	
14/4/1998	3913883	TRANSFER	EDITION 2
13/5/1998	3981102	CHANGE OF NAME	
13/5/1998	3981103	MORTGAGE	EDITION 3
16/2/2007	AC943664	VARIATION OF MORTGAGE	EDITION 4
15/6/2011	AG300956	DISCHARGE OF MORTGAGE	
15/6/2011	AG300957	TRANSFER	
15/6/2011	AG300958	MORTGAGE	EDITION 5
27/2/2017	AM174581	REQUEST	
2/3/2017	DP1226992	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

Gunnedah 16 Torrens Rd

PRINTED ON 12/5/2020

	STAMP DUTY	OFF	
	OFFICE OF STATE REVENUE		
	PA N5		
THE STATE OF THE S	199R/91 MATERIAL STATE OF THE S	TRANSFER	
	The second secon	TRANSFER REAL PROPERTY ACT, 1900	3 L L X pa
		NEAL PROPERTY ACT, 1900	\$ 44 100
-	Torrens Title Reference	If Part Only, Delete Whole and Give Details	Location
DESCRIPTION OF LAND	VOLUME 14244 FOLIO 175	WHOLE	Position 11
Note (a)	VOLORE 14244 FOLIO 175		Parish Gunnedah
	C. A. I.		County Pottinger
	NOW BEING Whole OF LAND COMMUNICATION	ļ •	
-	IN FOLIO/CX 454 755503		
•			
TRANSFEROR Note (b)	BRADY HOLDINGS (GDAH) PTY LIMIT	ED .	
ESTATE Note (c)	(the abovenamed TRANSFEROR) hereby acknowledg	es receipt of the consideration of \$90,000.00	
:= x= /	and transfers an estate in fee simple in the land above described to the TRANSFEREE		
TRANSFEREE			
Note (d)	COUNCIL OF THE SHIRE OF GUNNEDAR	<u>H</u>	OFFICE USE ONLY
TENANCY			
Note (e)	as joint tenants/tenants in common		· · · · · · · · · · · · · · · · · · ·
DRIOR	subject to the following SDIOD SAGE WARRANT		
PRIOR ENCUMBRANCES Note (f)	subject to the following PRIOR ENCUMBRANCES T: 2		
• •		······································	····×·································
	DATE 6. 7 1990		8.5
	1. 7.70,	poses of the Real Property Act 1900	1738
XECUTION	We hereby certify this dealing to be correct for the purp		· E
EXECUTION Note (g)	We hereby certify this dealing to be correct for the purp Signed in my presence by the transferor who is person.	ally known to me	SEAL SEAL
	We hereby certify this dealing to be correct for the purp Signed in my presence by the transferor who is person. The . Common Seal of BRADY HOLDING Signature of Wilness	ally known to me	1738
	We hereby certify this dealing to be correct for the purp Signed in my presence by the transferor who is person.	ally known to me	SEAL SEAL
	We hereby certify this dealing to be correct for the purposition of the correct for the purposition of the common Seal of BRADY HOLDING Signature of Winess (GDAH) PTY. LIMITED was hereunted Name of Winess (BLOCK LETTERS) affixed by the authority of a	ally known to me	SEAL SEAL
	We hereby certify this dealing to be correct for the purpose Signed in my presence by the transferor who is person. The Common Seal of BRADY HOLDING Signature of Wilness (GDAH) PTY. LIMITED was hereunted Name of Wilness (BLOCK LETTERS) affixed by the authority of a	ally known to me GS O	NOW NOW SEAL
	We hereby certify this dealing to be correct for the purpose Signed in my presence by the transferor who is person. The Common Seal of BRADY HOLDING Signature of Witness (GDAH) PTY. LIMITED was hereunted Name of Witness (BLOCK LETTERS) affixed by the authority of a Address and occupation of Witness resolution of the Board of Direct	o director	TV3S NOWN09 Signature of Transferor
	We hereby certify this dealing to be correct for the purpose Signed in my presence by the transferor who is person. The Common Seal of BRADY HOLDING Signature of Witness (GDAH) PTY. LIMITED was hereunted Name of Witness (BLOCK LETTERS) affixed by the authority of a Address and occupation of Witness resolution of the Board of Director who Signed in my presence by the transferee who is personal	o director	TV3S NON NOS Signature of Transferor
lote (g)	We hereby certify this dealing to be correct for the purpose Signed in my presence by the transferor who is person. The Common Seal of BRADY HOLDING Signature of Witness (GDAH) PTY. LIMITED was hereunted Name of Witness (BLOCK LETTERS) affixed by the authority of a Address and occupation of Witness resolution of the Board of Direct	o director	TV3S NOWN09 Signature of Transferor
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					NSW LRS /Pgs:ALL /Prt: CK /Ref:Gunnedah 16 To		Seq:1 of 1	
	£	3		1 2	Hanopeh	3913883)	
					al Property Act, 1900 Offic			
				. 00°2:	*	88 5003 0+ 80022211 N B M B	52092	
(A)	Show no more than 20 References to Title. If appropriate, specify the share transferred.			CERTIFICATE OF TITLE, IDENTIFIER 454/755503				
(B)				Name, Address or DX and Telephone MORRIS, HAYES & EDGAR LAW STATIONERS 74 CASTLEREAGH ST., SYDNEY REFERENCE (20x. 15 characters): 9232 2411			5352 EER	
(C)	TRANSFEROR			GUNNEDAH	SHIRE COUNCIL	••••••	••••••	
(D)	and as regards the land specified above transfers to the Transferee an estate in fee simple							
(E)	subject to the fo	mowing ENCU	MBHANCE	5 1	2	3		
(F) (G)	TRANSFEREE	T TS (s713 LGA) TW (Sheriff)			AROI ROAD, GUNNEDAH	NSW 2380		
(H)	We certify this of	lealing correct	for the pur	poses of the Real 1	Property Act, 1900. DATES	8/4/199	E	
				who is personally		<i></i>		
THE COMMON SEAL OF THE COUNCIL OF THE SHIRE OF GUNNEDAH Was hereunto affixed this 27 Mach, 1998 in pursuance of a resolution passed by Name of Witness (BLOCK LETTERS)						•••		
the Council on 4th Morch, 1998					MM Signature of Transferor GI	ENERAL MANAGER		
Signed in my presence by the Transferee who is personally known to me.								
Signature of Witness								
	Name of Witness (BLOCK LETTERS)							
	Address of Witness				SOUCITOR FOR	Signature of Transferee		
1	INSTRUCTIONS FOR FILLING OUT THIS FORM ARE AVAILABLE FROM				THE LAND TITLES OFFICE	CHECKED BY (office use only	2m	
•	AUSDOC Office Pty. Ltd.				off 8	A T357442		

	of the Registrar Form 01T	957 /Rev:20-Jun-2011 /NSW LRS /Pgs:ALL /Prt:12-May-2020 13:18 /seq:1 of 1 -General /Src:INFOTRACK /Ref:Gunnedah 16 Torrens Rd TRANSFER
	Release: 4.0 www.lpma.nsw.g	New South Wales Ov.au Real Property Act 1900
	PRIVACYNOTE:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		Section 31B of the Real Property Act 1900 (RPAct) authorises the the establishment and maintenance of the Real Property and available to any person for search upon payment of a fee, if
	STAWP DUTY	Office of State Revenue use only Client No: 1600070 Cuty: \$10 < 00 Trunc No: 6256880 Acat decisis:
(A)	TORRENS TITLE	454/755503
(B)	TODGED BA	Document Name, Address or DX, Telephone, and LLPN if any
		Collection Box 377 I PN: 123839X 37Y Westpac Banking Corporation 1 KING ST CONCORD WEST 2138 IBN35 (02) 8767 3120 ILPN: 123839X37Y Reference: 29953397 T TW
(C)	TRANSFEROR	WAYNE KEVIN SMITH
(D)	CONSIDERATION	The transferor acknowledges receipt of the consideration of \$ 650,000.00 and as regards
(E)		the above mentioned land transfers to the transferee an estate in fee simple
(F)	SHARE Transfered	
(G)		Encumbrances (if applicable):
140.	TRANSFERE 199	MACKELLAR EQUIPMENT HIRE PTY LID ABM 90 129 678 815
	DATE (1	May 2011
(J)	I ampersonally ac	crson(s) signing opposite, with whom Certified correct for the purposes of the Real Appropriate of the purposes of the Real Property Act 1900 by the transferor. It is instrument in my presence.
	Signature of with	Signature of transferor:
	Name of witness: Address of witnes	Stacey Anne Thibault Licensed Conveyancer 238 Conadilly St, Gunnedah Certified correct for the purposes of the Real Property Act 1900 by the person whose signature appears below.
		Signature: MMDCHOW To
		Signatory's name: Michael William Allen Baxter Signatory's capacity: Transferee's Solicitor
(K)		ee's solicitor certifies that the eNOS data relevant to this dealing has been submitted and stored under
<u> </u>	aNOS IDNo.	Full rame: MICHAEL WILLIAM ALLEN BAXTER — Signitive —
<u> </u>	ALL HANDWRITING	MUST BE IN BLOCK CAPITALS. Page 1 of 1 LAND AND PROPERTY MANAGEMENT AUTHORITY



Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

12/5/2020 1:18PM

FOLIO: 1/1226992

First Title(s): VOL 14244 FOL 175

Prior Title(s): 454/755503

Recorded	Number	Type of Instrument	C.T. Issue
2/3/2017	DP1226992	DEPOSITED PLAN	FOLIO CREATED EDITION 1
29/5/2017	AM361616	REQUEST	EDITION 2
29/5/2017	AM385742	CAVEAT	
23/10/2018	AN696639	DISCHARGE OF MORTGAGE	EDITION 3
23/10/2018	AN696640	MORTGAGE	CORD ISSUED

*** END OF SEARCH ***



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 1/1226992

NO CERTIFICATE OF TITLE HAS ISSUED FOR THE CURRENT EDITION OF THIS FOLIO. CONTROL OF THE RIGHT TO DEAL IS HELD BY NATIONAL AUSTRALIA BANK LIMITED.

LAND

LOT 1 IN DEPOSITED PLAN 1226992

AT GUNNEDAH

LOCAL GOVERNMENT AREA GUNNEDAH
PARISH OF GUNNEDAH COUNTY OF POTTINGER
TITLE DIAGRAM DP1226992

FIRST SCHEDULE

MACKELLAR EQUIPMENT HIRE PTY LTD

SECOND SCHEDULE (4 NOTIFICATIONS)

- 1 LAND EXCLUDES MINERALS AND IS SUBJECT TO RESERVATIONS AND CONDITIONS IN FAVOUR OF THE CROWN SEE CROWN GRANT(S)
- 2 DP1226992 EASEMENT TO DRAIN WATER 6 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- * 3 AM385742 CAVEAT BY GUNNEDAH SHIRE COUNCIL
- * AN696640 CAVEATOR CONSENTED
 - 4 AN696640 MORTGAGE TO NATIONAL AUSTRALIA BANK LIMITED

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

Gunnedah 16 Torrens Rd

PRINTED ON 12/5/2020

^{*} Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. InfoTrack an approved NSW Information Broker hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900.



Historical Title



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

12/5/2020 1:18PM

FOLIO: 2/1226992

First Title(s): VOL 14244 FOL 175

Prior Title(s): 454/755503

Recorded	Number	Type of Instrument	C.T. Issue
2/3/2017	DP1226992	DEPOSITED PLAN	FOLIO CREATED EDITION 1
29/5/2017	AM361616	REQUEST	EDITION 2
29/5/2017	AM385742	CAVEAT	
13/7/2018	AN499742	WITHDRAWAL OF CAVEAT LEASE	EDITION 3
13/7/2018	AN391833		CORD ISSUED
23/10/2018	AN696639	DISCHARGE OF MORTGAGE	EDITION 4 CORD ISSUED
23/10/2018	AN696640	MORTGAGE	

*** END OF SEARCH ***



NEW SOUTH WALES LAND REGISTRY SERVICES - TITLE SEARCH

FOLIO: 2/1226992

NO CERTIFICATE OF TITLE HAS ISSUED FOR THE CURRENT EDITION OF THIS FOLIO. CONTROL OF THE RIGHT TO DEAL IS HELD BY NATIONAL AUSTRALIA BANK LIMITED.

LAND

LOT 2 IN DEPOSITED PLAN 1226992
AT GUNNEDAH
LOCAL GOVERNMENT AREA GUNNEDAH
PARISH OF GUNNEDAH COUNTY OF POTTINGER
TITLE DIAGRAM DP1226992

FIRST SCHEDULE

MACKELLAR EQUIPMENT HIRE PTY LTD

SECOND SCHEDULE (4 NOTIFICATIONS)

- 1 LAND EXCLUDES MINERALS AND IS SUBJECT TO RESERVATIONS AND CONDITIONS IN FAVOUR OF THE CROWN SEE CROWN GRANT(S)
- 2 DP1226992 EASEMENT TO DRAIN WATER 6 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 3 AN391833 LEASE TO QUBE BULK PTY LTD EXPIRES: 31/1/2020. OPTION OF RENEWAL: TWO YEARS.
- 4 AN696640 MORTGAGE TO NATIONAL AUSTRALIA BANK LIMITED

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

Gunnedah 16 Torrens Rd

PRINTED ON 12/5/2020

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