COSTIN ROE CONSULTING

CIVIL & STRUCTURAL ENGINEERS

DOWNER SUSTAINABLE ROAD RESOURCE CENTRE
SURFACE WATER VERIFICATION REPORT

SSD-10459

9 DEVON STREET
ROSEHILL 2142

Prepared for:

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1 INTRODUCTION

1.1 Background

Costin Roe Consulting Pty Ltd has been commissioned by Downer Group to prepare this *Surface Water Verification Report* (SWVR) for the operation of the Downer Sustainable Road Resource Centre (DSRRC), as approved by the NSW Department of Planning, Infrastructure & Environment (DPIE) SSD-10459 (dated 31 January 2021) consent and the NSW Environmental Protection Authority (EPA) EPL-21611 (dated 11 May 2022) consent refer to **Appendix L**.

The DSRRC facility is located at 9 Devon Street, Rosehill and has been operational since mid-2022.

1.2 Scope

This SWVR will highlight the results from the operational phase of the surface water monitoring program and compare these results against established baseline water quality targets developed within the Operation Environmental Management Plan (OEMP).

This SWVR has been completed in accordance with the approved SSD-10459 **Conditions of Consent (CoC) B29 – Surface Water Verification Report – DSRRC** and the approved EPL-21611 **Condition E5 – Surface Water Verification Report**.

It is further noted that this SWVR has been completed with consideration to the 'Surface Water Management Plan' which forms part of the OEMP as required by **CoC C5** for the approved SSD-10459.

1.3 Conditions of Consent Matrix

This SWVR has been completed in accordance with the approved stormwater management strategy and EIS approved in the NSW DPIE in SSD-10459.

We provide the following tables which confirms how and where, within the report, each of the requirements of SSD-10459 **CoC B29** have been met.

SSD-10459 Consent Condition Matrix

CoC No.	Item	Response
Surface Water Verification Report – DSRRC *A Surface Water Verification Report (SWVR) must be submitted to the Planning Secretary and the EPA within eighteen (18) months (or as otherwise agreed by the Planning Secretary) of the commencement of all operations associated with the DSRRC. The SWVR must:*		
B29	*(a) include an analysis of compliance with the maximum concentrations identified under condition B27(c) undertaken to the satisfaction of the Planning Secretary;*	Refer to **Section 2** of this report.
	(b) demonstrate that all reasonable and feasible mitigation measures have been incorporated into the development;	Refer to **Section 4** of this report.
	(c) reference manufacturer's specifications and/or performance guarantees;	Refer to **Appendix I** of this report.
	(d) an outline of management actions to be taken to address any exceedances of the maximum concentrations identified under condition B27; and	Refer to **Section 3 &5** of this report.
	(e) describe the contingency measures and the timing of their implementation in the event the management actions are not effective in reducing water quality impacts to an acceptable level.	Refer to **Section 5** of this report.

2 SURFACE WATER MANAGEMENT PLAN

2.1 Overview

A Surface Water Management Plan has been prepared as part of the *Operation Environmental Management Plan* (OEMP) for this facility as required of **CoC B27** under SSD-10459.

The Surface Water Management Plan includes:

- characterisation of the expected quality of discharges in terms of typical and maximum concentrations of all pollutants likely to be present at non-trivial levels;
- a program to monitor surface water quality,
- surface water impact assessment criteria, including trigger levels for investigating any potential adverse surface water impacts,
- a protocol for investigation and mitigation where surface water impact assessment criteria is exceeded, and
- an ongoing maintenance program to ensure the entire surface water management infrastructure continues to operate and perform as designed.

Reference should be made to the OEMP prepared by Downer referenced 'NSWPR-EN-PN111' Version 5 dated 14 February 2023 for description of the above items.

2.2 Water Quality Trigger Values

The Parramatta Development Control Plan 2011 (DCP) water quality objectives were applied to address Parramatta City Council's water sensitive urban design (WSUD) objective.

The maximum concentrations of pollutant loads were identified within the OEMP as per the requirements of **CoC B27** and are included in the below.

Pollutant	Mean	Standard deviation	Median	Maximum
Total Suspended Solids concentration (mg/L)	1.79	2.2	2.27	62
Total Phosphorus concentration (mg/L)	0.0409	0.0312	0.0577	0.244
Total Nitrogen concentration (mg/L)	0.414	0.34	0.6	2.87

2.3 Surface Water Monitoring Locations

Surface Water Quality was measured at two locations along the southern portion of the DSRRC facility during period of rain.

Samples were collected downstream of the bio basin at the penstock valve shut off pit and downstream of the dish drain located at pit A17. Samples were collected during rain event, following rain events and during discharge events from the site. The samples were obtained at the location mark below in **Figure 2.1**.

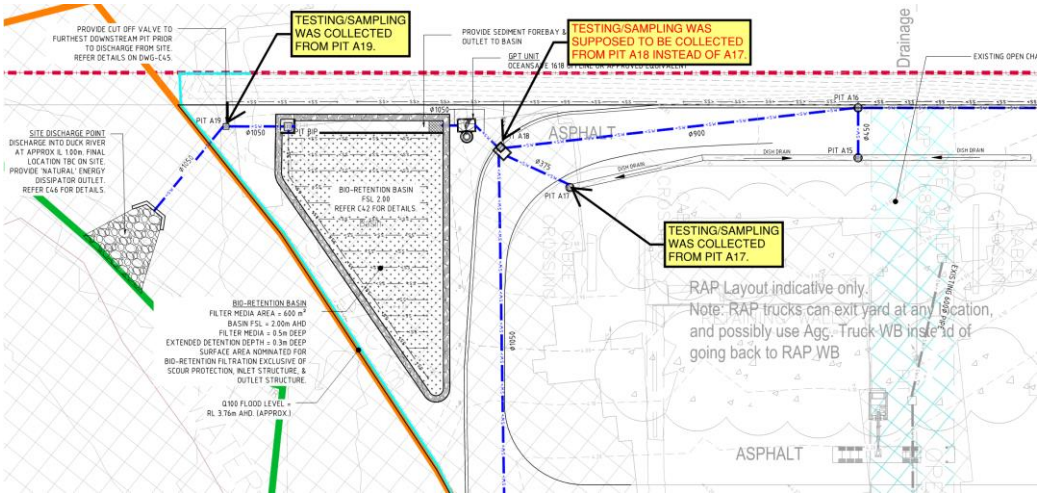


Figure 2.1 – Water Testing Locations

2.4 Water Quality Results

Reference should be made to **Appendix B** for full results of sampling results.

2.5 Analysis of Water Quality Results

The concentrations of pollutant loads were to be identified at two locations, one at the pit prior to GPT and bio-retention basin (Pit A18) and one at the bio-retention basin discharge outlet (Pit A19). It should be noted that the sampling was collected at the incorrect locations stated in **Figure 2.1**, the results of the samples are noted below.

The maximum concentration of total suspended solids was seen to be exceeded in tests M4196/1, M4196/2, M4222/1 and M4136/10.

The maximum concentration of total phosphorus was seen to be exceeded in tests M4190, M4196/1, M4196/2, M4222/1 and M4222/2.

The maximum concentration of total nitrogen was seen to be exceeded in tests M4196/1, M4196/2 and M4222/2. High concentrations of ammonia were evident in test M4136/10.

Test ID	Total Suspended Solids concentration (mg/L)	Total Phosphorus concentration (mg/L)	Total Nitrogen concentration (mg/L)
Maximum	**62**	**0.244**	**2.87**
M4125/1	<5	0.19	2.1
M4125/2	<5	0.08	1.4
M4190	8.4	0.34	1.3
M4190/1	<5	0.09	0.8
M4196/1	330	0.73	3
M4196/2	270	0.61	5.6
M4222/1	450	0.34	3.85
M4222/2	34	0.33	1.13
M4136/10	760	-	16 (Ammonia)
M08145/1	6.6	0.08	1.2
M08145/2	7.9	0.08	0.8

Table 2.1 – Water Testing Analysis

(Red indicates sample concentration exceeds maximum target value)

The concentrations of pollutant loads were observed to be above the maximum trigger values outline in the OEMP. We understand that monitoring and maintenance has been completed as noted in **Section 3** and **Section 4** of this report.

The monitoring and mitigation measures have been adopted and the concentration of pollutant loads have not reduced to be below maximum water quality trigger values. As such, the contingency measure has been implemented and stormwater runoff is prevented from leaving the site until such time that the pollutant concentrations are reduced to an acceptable level.

3 MONITORING PROGRAM & MAINTENANCE

It is important that each component of the water quality treatment train is properly operated and maintained. In order to achieve the design treatment objectives, an indicative maintenance schedule has been prepared (refer to **Table 3.1** below).

Note that inspection frequency may vary depending on site specific attributes and rainfall patterns in the area. In addition to the maintenance requirements below it is also recommended that inspections are made following heavy rainfall or major storm events. Event heavy rain inspections should be carried out as soon as practicable following an intense period of rainfall, (i.e. greater than 100mm over 48 hours), as measured at Parramatta North Weather Station No. 66124.

3.1 Types of Maintenance

Water Sensitive Urban Design (WSUD) assets require both proactive and reactive maintenance to ensure long term system health and performance.

Proactive maintenance refers to regular scheduled maintenance tasks, whereas reactive maintenance is required to address unscheduled maintenance issues. If an asset is not functioning as intended, then rectification may be required to restore the asset back to its intended functionality.

The preferred and recommended approach is for proactive maintenance.

3.1.1 Proactive Maintenance

Proactive maintenance is a set of scheduled tasks to ensure that the WSUD asset is operating as designed.

Proactive maintenance involves:

- Regular inspections of the WSUD asset;
- Scheduled maintenance tasks for issues that are known to require regular attention (e.g. litter removal, weed control); and
- Responsive maintenance tasks following inspections for issues which require irregular attention (e.g. sediment removal, mulching, and scour management).

Proactive maintenance in the first two years after the establishment period (construction and planting phases) are the most intensive and important to the long-term success of the treatment asset.

Proactive maintenance is a cost-effective means of reducing the long-term costs associated with operating stormwater treatment assets.

Maintenance activities specific to each WSUD asset type are detailed in the inspection and maintenance schedules and checklists provided in the report. The frequency of scheduled maintenance depends on the asset type and the issue being managed.

As a general guide, scheduled maintenance should be completed on a three to four-month cycle. The checklists provided should be used as a minimum guide

to scheduled maintenance tasks and should be amended to suit site conditions and maintenance requirements.

Treatment assets should also be inspected at least once a year during or immediately after a significant rainfall event. This is important to confirm that the treatment system is functioning correctly under wet conditions.

A higher level of scheduled maintenance may be arranged for some treatment assets. This is often the case for treatment assets which are located in high profile locations (e.g. streetscapes and parklands), and where public amenity is considered to be a high priority. In these cases, a more frequent maintenance regime may be required to remove litter and weeds and to ensure vegetation health and cover is maintained to a high level.

3.1.2 Reactive Maintenance

Reactive maintenance is undertaken when a problem or fault is identified that is beyond the scope of proactive maintenance. Reactive maintenance may occur following a complaint about the WSUD asset (e.g. excessive odours or litter). Reactive maintenance often requires a swift response and may involve specialist equipment or skills.

3.1.3 Rectification

Rectification of a WSUD asset is undertaken when the system is not functioning as intended, and proactive and reactive maintenance activities are unable to return the asset to functional condition.

The lack of functional performance and therefore failure of a stormwater treatment asset may be related to many factors including inappropriate design, poor construction, and lack of regular maintenance or end of life cycle. In many cases, the design of assets has not included adequate consideration of the maintenance requirements, in terms of the system's ability to cope with catchment pollutant loads (i.e. sediments) and the frequency of maintenance required to maintain the system at a functional level.

Maintenance planning at the design phase is therefore crucial to both the long-term operating costs and the expected life cycle of the treatment system. In general, the expected lifecycle of a stormwater treatment asset (e.g. a bio-retention system) that has been well designed and constructed and is regularly maintained should be at least 15-20 years.

However, the lifecycle for each treatment system will be different and related to:

- whether the system has been designed, constructed and maintained according to best practice;
- catchment characteristics (influences the quality of the stormwater);
- the age and general health of the system; and
- the type of plants that have been used in the system.

Regular asset condition assessments should be undertaken to monitor the system condition and to inform where an asset is in terms of its expected

lifecycle. Renewal of a system refers to replacing the main elements of the system including:

- infrastructure;
- removing deposited sediment, removing and replacing the topsoil (or filter media in the case of a bio-retention system) and profiling the topsoil level back to the design levels;
- re-planting; and
- pavement and sub-layers (in the case of permeable pavements).

A WSUD specialist may be required to assess whether a treatment system has reached the end of its life cycle and to provide advice on the renewal works.

Asset condition assessments can also identify assets that need to be rectified. The decision to continue with an increased maintenance regime or to rectify an asset, and over what timeframe, can be a difficult one to make. This is because certain maintenance items are more important to overall system function than others. For example, extended ponding on the surface of a bio-retention system or persistent scouring of a swale should be addressed more rapidly than recurrent weed problems.

3.2 Routine Inspections and Maintenance Schedule for General Stormwater System

Routine inspections are to be carried out to assess the need for maintenance and are primarily concerned with checking the functionality of the stormwater drainage facilities; items such as drains, drainage pits, box culverts, detention tanks and rainwater reuse tank systems. Maintenance of these items is vitally important for the ongoing drainage and treatment of stormwater.

Should the inspection reveal that maintenance of any item is required, this is to be reported to the site management for action.

Items that are to be subject to Routine Inspections for Maintenance may comprise, but not be limited to those listed in the table below. This table is to be read in conjunction with the Stormwater design drawings.

It is vitally important that each component of the stormwater system is properly operated and maintained. In order to achieve the modelled and design treatment outcomes, a maintenance schedule has been prepared (below) to assist in the effective operation and maintenance of the various drainage and water quality components.

Table 3.1. Indicative Maintenance Schedule

The below frequency range should be incorporated into the monthly environmental checklist completed by Downer Site Personnel.

MAINTENANCE ACTION	FREQUENCY RANGE	RESPONSIBILITY	PROCEDURE
SWALES/ LANDSCAPED AREAS			
Check density of vegetation and ensure minimum height of 150mm is maintained. Check for any evidence of weed infestation	Between six months and one year	Downer Site Personnel	Replant and/or fertilise, weed and water in accordance with landscape consultant specifications
Inspect swale for excessive litter and sediment build up	Between six months and one year	Downer Site Personnel	Remove sediment and litter and dispose in accordance with local authorities' requirements.
Check for any evidence of channelisation and erosion	Six monthly/ After Major Storm	Downer Site Personnel	Reinstate eroded areas so that original, designed swale profile is maintained
Weed Infestation	Three to six Monthly	Downer Site Personnel	Remove any weed infestation ensuring all root ball of weed is removed. Replace with vegetation where required.
Inspect swale surface for erosion	Between six months and one year	Downer Site Personnel	Replace top soil in eroded area and cover and secure with biodegradable fabric. Cut hole in fabric and revegetate.
RAINWATER TANK			
Check for any clogging and blockage of the first flush device	3 Monthly/ After Major Storm	Downer Site Personnel	First flush device to be cleaned out
Check for any clogging and blockage of the tank inlet -leaf/litter screen	Between six months and one year	Downer Site Personnel	Leaves and debris to be removed from the inlet leaf/litter screen

MAINTENANCE ACTION	FREQUENCY RANGE	RESPONSIBILITY	PROCEDURE
Check the level of sediment within the tank	Every two years	Downer Site Personnel	Sediment and debris to be removed from rainwater tank floor if sediment level is greater than the maximum allowable depth as specified by the hydraulic consultant
INLET & JUNCTION PITS			
Inside Pit	Six Monthly	Downer Site Personnel	Remove grate and inspect internal walls and base, repair where required. Remove any collected sediment, debris, litter.
Outside of Pit	Four Monthly/ After Major Storm	Downer Site Personnel	Clean grate of collected sediment, debris, litter and vegetation.
STORMWATER SYSTEM			
General Inspection of complete stormwater drainage system	Bi-annually	Downer Site Personnel	Inspect all drainage structures noting any dilapidation in structures and carry out required repairs.
BIO-RETENTION BASIN			
Check all items nominated for SWALES/ LANDSCAPED AREAS above	Refer to SWALES/ LANDSCAPED AREAS section above	Refer to SWALES/ LANDSCAPED AREAS section above	Refer to SWALES/ LANDSCAPED AREAS section above.
Check for sediment accumulation at inflow points	Six monthly/ After Major Storm	Downer Site Personnel	Remove sediment and dispose in accordance with local authorities' requirements.
Check for erosion at inlet or other key structures.	Six monthly/ After Major Storm	Downer Site Personnel	Reinstate eroded areas so that original, designed profile is maintained
Check for evidence of dumping (litter, building waste or other).	Six monthly	Downer Site Personnel	Remove waste and litter and dispose in accordance with local authorities' requirements.

MAINTENANCE ACTION	FREQUENCY RANGE	RESPONSIBILITY	PROCEDURE
Check condition of vegetation is satisfactory (density, weeds, watering, replating, mowing/ slashing etc)	Six monthly	Downer Site Personnel	Replant and/or fertilise, weed and water in accordance with landscape consultant specifications
Check for evidence of prolonged ponding, surface clogging or clogging of drainage structures	Six monthly/ After Major Storm 5-10 years	Downer Site Personnel	Remove sediment and dispose in accordance with local authorities' requirements. Replace filter media & planting – refer to appropriately qualified engineer or stormwater specialist
Check stormwater pipes and pits	Six monthly/ After Major Storm	Downer Site Personnel	Refer to INLET/ JUNCTION PIT section.
WATER QUALITY DEVICE (GPT)			
Refer to manufacturer operation and maintenance manual.	Refer to manufacturer operation and maintenance manual.	Downer Site Personnel	Refer to manufacturer operation and maintenance manual.

4 MONITORING AND MITIGATION MEASURES

Reasonable and feasible mitigation measures which have been incorporated into the development are listed below.

Road Sweeping (**Appendix B**)

- Reference Number: 50732. Completed on *31 May 2023*
- Reference Number: 50464. Completed on *29 May 2023*
- Reference Number: 49509. Completed on *07 Jun 2023*
- Reference Number: 49655. Completed on *02 Jun 2023*
- Reference Number: 50377. Completed on *14 Jun 2023*

Installation of Drain Filter (**Appendix C**)

- Reference Number: 94616. Dated *07 Jun 2023*

Environmental Inspection Checklist (**Appendix D**)

- Form ID: 927851. In progress from *27 Jun 2023*
- Form ID: 915307. Completed on *05 Jun 2023*
- Form ID: 897860. Completed on *05 Jun 2023*
- Form ID: 881188. Completed on *05 Jun 2023*
- Form ID: 874567. Completed on *05 Jun 2023*
- Form ID: 846315. Completed on *05 Jun 2023*
- Form ID: 806925. Completed on *07 Nov 2022*
- Form ID: 823185. In progress from *28 Nov 2022*
- Form ID: 861953. Completed on *20 Feb 2022*
- Form ID: 917638. Completed on *05 Jun 2022*

Gross Pollutant Trap (GPT) Cleaning (**Appendix E)**

- Reference Number: 2023/04-5714. Dated *28 Apr 2023*
- Reference Number: 2023/04-5720. Dated *05 May 2023*

Zero Harm Observation/Inspection Reports (**Appendix F**)

- Reference Number: 2413798. Completed on *16 Dec 2022*
- Reference Number: 2415202. Completed on *16 Dec 2022*
- Reference Number: 2415535. Completed on *13 Jan 2022*
- Reference Number: 2420184. Completed on *15 Mar 2023*

Landscape Works (**Appendix G**)

- Invoice Number: 308890. Dated *01 May 2023*
- Invoice Number: 309093. Dated *01 Jun 2023*

Gross Pollutant Trap (**Appendix I**)

Primary treatment of stormwater runoff from the Downer Facility is an OceanProtect Oceansave-1618 gross pollutant trap with oil baffle, in conjunction with tertiary treatment via a bio-retention filtration basin.

Stormwater Pit Inspections and Actions (**Appendix J**)

DSRRC environmental stormwater pit cleaning and maintenance spreadsheet.

Operational Compliance Report (**Appendix K**)

A compliance report has been prepared and reviewed in accordance with the requirements set out in *Requirement 1 of the NSW Department of Planning, Industry and Environment | SF20/40224 Compliance Reporting: Post Approval Requirements May 2020*.

5 CONTIGENCY MEASURES

If at any time the pollutants exceed the predicted maximum levels, then the actions in **Table 3.1** will be implemented immediately to determine the cause of the higher pollutant loads and implement the associated management measures.

If the pollutants continue to exceed the maximum predicted levels in the next sampling event, then the discharge will be ceased via the penstock valve and water in the bio-retention basin tested and treated until the cause has been resolved, with basin water reused onsite.

Additionally, the responsible person will review the site operation which have potential to generate the pollutants to determine if they are carried out as described in the EIS/OEMP and rectify those operation if necessary.

The above monitoring and review process will continue until concentration of pollutants are below the maximum predicted levels.

6 CONCLUSION

The Surface Water Verification Report (SWVR) for the Downer Sustainable Road Resource Centre (DSRRC) provides a comprehensive overview of the surface water monitoring program and its results during the operational phase of the facility.

The report has been completed in accordance with the Conditions of Consent (CoC) B29 set by the NSW Department of Planning, Infrastructure & Environment.

The Surface Water Management Plan, outlined in the Operation Environmental Management Plan (OEMP), is detailed, encompassing characterizations of expected discharge quality, monitoring programs, impact assessment criteria, and maintenance protocols. The water quality trigger values are aligned with Parramatta Development Control Plan 2011 objectives.

The monitoring and mitigation measures have been adopted and the concentration of pollutant loads have not reduced to be below maximum water quality trigger values. As such, the contingency measure has been implemented and stormwater runoff is prevented from leaving the site until such time that the pollutant concentrations are reduced to an acceptable level.

We recommend that the above are maintained until such that that pollutant concentration are below the trigger values and stormwater discharge to the receiving waters can be reinstated.

Appendix A

SKETCH BY COSTIN ROE CONSULTING

PROVIDE CUT OFF VALVE TO FURTHEST DOWNSTREAM PIT PRIOR TO DISCHARGE FROM SITE. REFER DETAILS ON DWG-C45.

TESTING/SAMPLING WAS COLLECTED FROM PIT A19.

PROVIDE SEDIMENT FOREBAY & OUTLET TO BASIN

GPT UNIT OCEANSAVER 1618 OPTICLINE OR APPROVED EQUIVALENT

TESTING/SAMPLING WAS SUPPOSED TO BE COLLECTED FROM PIT A18 INSTEAD OF A17.

EXISTING OPEN CHANNEL SHOWN HATCHED

Drainage

Vegetation Easement

SITE DISCHARGE POINT
DISCHARGE INTO DUCK RIVER AT APPROX IL 1.00m. FINAL LOCATION TBC ON SITE. PROVIDE 'NATURAL' ENERGY DISSIPATOR OUTLET. REFER C46 FOR DETAILS.

BIO-RETENTION BASIN
FSL 2.00
REFER C42 FOR DETAILS.

BIO-RETENTION BASIN
FILTER MEDIA AREA = 600 m²
BASIN FSL = 2.00m AHD
FILTER MEDIA = 0.5m DEEP
EXTENDED DETENTION DEPTH = 0.3m DEEP
SURFACE AREA NOMINATED FOR BIO-RETENTION FILTRATION EXCLUSIVE OF SCOUR PROTECTION, INLET STRUCTURE, & OUTLET STRUCTURE.

Q100 FLOOD LEVEL = RL 3.76m AHD. (APPROX.)

PROPOSED BLOCK RETAINING WALL REFER C60 FOR DETAILS

PIT A19 · PIT A18 · PIT A17 · PIT A16 · PIT A15 · PIT A14 · PIT BIP · PIT B9 · PIT B8 · PIT B7 · PIT B6 · PIT C8 · PIT C7 · PIT C6

ASPHALT

DISH DRAIN

RAP Layout indicative only.
Note: RAP trucks can exit yard at any location, and possibly use Agg. Truck WB instead of going back to RAP WB

RAP Entry or Exit

ANPR Weighbridge (28.0mx3.4m)

RAP SHED FFL 4.30

2m CONCRETE APRON

RAP FINISHED PRODUCTS

CONCRETE

EXISTING 600Ø PIPE

RECONOMY RECEIVING FFL 4.30

RECONOMY PLANT

FIRST FLUSH PIT.

Organics · Sand · Glass · Spare

REFER STRUCTURAL DRAWINGS FOR INTERFACE OF RECONOMY SLAB AND EXISTING PIPE.

RAP Exit

ENTRY

EXIT

Potential RAP WB/ Inspection Location (3.0mx3.4m)

Overflow Parking - RAP

FENCE

APPROXIMATE EXTENT OF TREE LINE

APPROXIMATE 30M RIPARIAN SETBACK

EXISTING HEADWALLS

SITE BOUNDARY

BREAKLINE - REFER TO DRAWING C41 FOR CONTINUATION

LEGEND:

LEVELS DATUM IS AHD.

EXISTING SITE LEVELS AND DETAILS BASED ON SURVEY INFORMATION PROVIDED BY LANDPARTNERS TITLED AS0205 Clyde_BE_200620 TIN DATED 08/07/20.

- SINGLE GRATED GULLY PIT (SGGP)
- SGGP WITH PIT INSERT OR SILT MESH
- GD, GRATED DRAIN (300W x 225D UNO)
- ROOFWATER DOWNPIPE (INDICATIVE)
- ROOFWATER LINE
- DISH DRAIN
- PROPOSED DRAINAGE LINE
- EXISTING DRAINAGE LINE
- EXISTING DRAINAGE LINE TO BE REMOVED
- SUBSOIL LINE
- SUPER LOT BOUNDARY
- Q100 FLOOD EXTENT
- APPROXIMATE EXTENT OF TREE LINE
- RIPARIAN SETBACK

PIT SCHEDULE - NETWORK A

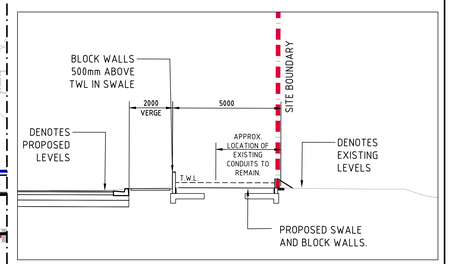
PIT No.	GRATE RL	TYPE	LID SIZE	DEPTH	COMMENT
PIT A1	3.90	SGGP	900X900	1100	WITH PIT INSERT
PIT A2	3.90	SGGP	900X900	1220	WITH PIT INSERT
PIT A2-1	3.97	TBC	900X900	TBC	WITH PIT INSERT
PIT A3	4.19	SGGP	900X900	1440	WITH PIT INSERT
PIT A4	3.89	SGGP	900X900	1240	WITH PIT INSERT
PIT A5	3.86	SGGP	900X900	1340	WITH PIT INSERT
PIT A6	3.86	SGGP	900X900	1350	WITH PIT INSERT
PIT A6-1	4.32	SGGP	900X900	1600	WITH PIT INSERT
PIT A7	3.86	SGGP	900X900	1420	WITH PIT INSERT
PIT A8	4.17	SGGP	900X900	1560	WITH PIT INSERT
PIT A9	4.17	SGGP	900X900	1660	WITH PIT INSERT
PIT A9-1	4.20	SGGP	900x900	1570	WITH PIT INSERT
PIT A10	4.17	SGGP	900X900	1700	WITH PIT INSERT
PIT A11	3.90	SGGP	900X900	1480	WITH PIT INSERT
PIT A12	3.86	SGGP	900X900	1600	WITH PIT INSERT
PIT A13	3.86	SGGP	900X900	1750	WITH PIT INSERT
PIT A14	3.86	SGGP	900X900	1960	WITH PIT INSERT
PIT A15	3.66	SGGP	900X900	2010	WITH PIT INSERT
PIT A16	3.66	SGGP	900X900	2040	WITH PIT INSERT
PIT A17	3.66	SGGP	900X900	2180	WITH PIT INSERT
PIT A18	3.66	SGGP	900X900	2270	WITH PIT INSERT
PIT A19	3.85	SGGP	900X900	2790	WITH PIT INSERT

PIT SCHEDULE - NETWORK B

PIT No.	GRATE RL	TYPE	LID SIZE	DEPTH	COMMENT
PIT B1	4.15	SGGP	900X900	1420	WITH PIT INSERT
PIT B1-1	NO LONGER IN USE				
PIT B2	4.20	SGGP	900X900	1550	WITH PIT INSERT
PIT B3	4.20	SGGP	900X900	1610	WITH PIT INSERT
PIT B4	3.95	SGGP	900X900	1300	WITH PIT INSERT
PIT B5	3.80	SGGP	900X900	1280	WITH PIT INSERT
PIT B6	3.85	SGGP	900X900	1530	WITH PIT INSERT
PIT B7	3.90	SGGP	900X900	1770	WITH PIT INSERT
PIT B8	3.90	SGGP	900X900	1970	WITH PIT INSERT
PIT B9	3.76	SGGP	900X900	2080	WITH PIT INSERT

PIT SCHEDULE - NETWORK C

PIT No.	GRATE RL	TYPE	LID SIZE	DEPTH	COMMENT
PIT C1	3.96	SGGP	900X900	1310	WITH PIT INSERT
PIT C2	3.86	SGGP	900X900	1390	WITH PIT INSERT
PIT C2-1	4.00	TBC	900X900	TBC	WITH PIT INSERT
PIT C3	4.20	SGGP	900X900	1600	WITH PIT INSERT
PIT C4	4.20	SGGP	900X900	1660	WITH PIT INSERT
PIT C5	3.86	SGGP	900X900	1480	WITH PIT INSERT
PIT C6	3.76	SGGP	900X900	1590	WITH PIT INSERT
PIT C7	3.76	SGGP	900X900	1780	WITH PIT INSERT
PIT C8	3.76	SGGP	900X900	1940	WITH PIT INSERT



SECTION 1:100 A
TYPICAL EASTERN SWALE

LEVELS NOTE:

LEVELS TO BE ±500mm FROM THOSE SHOWN. FINAL LEVELS SUBJECT TO MINOR VARIATIONS TO SUIT DETAILED DESIGN.

2m 0 5 10 15 20 25m
SCALE 1:250 AT A0 SIZE SHEET

CONCEPT STORMWATER DRAINAGE PLAN - SHEET 1
SCALE 1:250

FOR CONSTRUCTION

AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
REVISED AS CLOUDED	26.10.20	G	REVISED AS CLOUDED	04.05.21	2	REVISED PIT RLS	18.08.21	8
ISSUED FOR TENDER	19.10.20	F	REVISED AS CLOUDED	24.03.21	1	REVISED PIT RLS	17.08.21	7
REVISED PER CLIENT COMMENTS	09.10.20	E	ISSUED FOR CONSTRUCTION	10.03.21	0	REVISED PIT RLS	11.08.21	6
ADDED PIT SCHEDULE AND PIPE DETAILS	04.09.20	D	REVISED AS CLOUDED	11.02.21	J	REVISED RECONOMY AREA LEVELS	30.06.21	5
REVISED FOR NEW ARCHITECTURALS	24.08.20	C	ISSUED FOR 100% DETAILED DESIGN	03.12.20	I	REVISED RECONOMY AREA LEVELS	29.06.21	4
ISSUED FOR INFORMATION	19.08.20	B	REVISED AS CLOUDED	30.10.20	H	REVISED RECONOMY AREA LEVELS	29.06.21	3

CLIENT
DOWNER GROUP
TRINITI BUSINESS CAMPUS, 39 DELHI ROAD
NORTH RYDE NSW 2113
PH: (02) 9468 9700

PROJECT
SUSTAINABLE ROAD RESOURCE CENTRE
9 DEVON STREET, CLYDE NSW

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
XC	HU	AUG		A0	AS SHOWN	C013919.02-C40

Costin Roe Consulting Pty Ltd.
Consulting Engineers ACN 065 475 149
Level 1, 8 Windmill Street
Walsh Bay, Sydney NSW 2000
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Costin Roe Consulting

PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE
CONCEPT STORMWATER DRAINAGE PLAN - SHEET 1

DRAWING No: C013919.02-C40 ISSUE: 8

BREAKLINE - REFER TO DRAWING C40 FOR CONTINUATION

ADJUST EXISTING DRAINAGE PIT TO CLASS D BUTTERFLY GRATE. REFER C45 FOR DETAILS.

'Downer' Sign Gas Meter

FENCE

PIT A13 · PIT A12 · PIT A7 · PIT A6 · PIT A6-1

ø750 · ø600 · ø375 · ø300

LAB VEHICLE PARKING x 7 SPACES

15x9m PLANT W'SHOP

ASPHALT PLANT W'SHOP LAYDOWN

PROPOSED RAINWATER TANKS

PROPOSED RAINWATER TANKS

ASPHALT

Truck Parking Bay 2x

Security Hut

Weighbridge (28.0mx3.4m)

ø225 · ø525

PIT A5 · PIT A4 · PIT A3

PIT A10 · PIT A11 · ø300 · ø450 · ø375

SUBSTATION

Alternative Preferred Location

1500KVA x 2

HV · HV

PIT A9 · PIT A9-1 · PIT A8

RAMP UP

5x RAP Cold Feeders

LIME DELIVERY

Weighbridge (56.0mx3.1m)

Sampling, Inspection, Docket

ENTRY

EXIT

Forklift Access Main Ramp

ø450 · ø225 · ø150

103.3 m

FENCE

SUBSTATION ENCLOSURE

PROPOSED BOUNDARY LEVELS PER PARRAMATTA CITY COUNCIL DRIVEWAY PROFILE.

EXISTING KERB LIP RL PER TSS SURVEY TITLED '210551.9022.ENTRANCE PICKUP 211103.DWG'

SITE BOUNDARY

600 120 · 3500 FUTURE FOOTPATH BEYOND @ 1:40 · 1300 1:20 · 450 LAYBACK

EXISTING KERB AND GUTTER

RL +0.182 · RL +0.152 · RL +0.115 · RL +0.050 · RL +0.000 · RL +0.000 · RL -0.040

SECTION 1:20 (1)

PROPPOSED PAD
FFL 4.60
BEL 4.30

PROVIDE 3.0m BREAK IN THE KERB FOR OVERLAND FLOW. NOMINAL.

ø150 uPVC PIPE FROM LIFT SHAFT BASE

PIT A2 · PIT A2-1 · PIT A1

Aaa truck parking

123.6 m

PROVIDE 3.0m BREAK IN THE KERB FOR OVERLAND FLOW. NOMINAL.

AREA NOT CURRRENTLY CONNECTED TO DRAINAGE

PROPOSED FRONT BLOCK CONNECTION.

PIT A4 · PIT A3 · ø375

PIT B4 · PIT B5 · PIT B3 · PIT B2 · PIT B1 · ø375 · ø225

CALIBRATION POINT

Fork

Forklift Access

Cold Feeders

WAREHOUSE & SILOS
FFL 4.20

EMULSION/ BITUMEN
FFL 4.20
Store

Toner & Liquid Additive Store

Concrete Apron with Bunding

PROVIDE 300mm DEEP SUMP WITH SUBMERSIBLE PUMP

44x 80kL Bitumen & Bitumen Emulsion Tanks

TRUCK SPRAY GANTRY

Unloading

BOILER HOUSE

DIESEL

Future IBC Storage Shed 4m High

SUMP PIT WITH SUBMERSIBLE PUMP. DETAILS TBC.

PIT C3 · PIT C4 · PIT C2-1 · PIT C2 · PIT C1 · PIT C5

ø375 · ø300 · ø225 · ø675 · ø750

Blend Load-out Entry

RAISED CONC SIDE TRENCH LOCATION

CABLES IN RAISED CONC SIDE TRENCH LOCATION

UNDERGROUND RWS PIPES TO BE INSTALLED & CAPPED FOR FUTURE DP CONNECTION TO EMULSION/IBC ROOFS & T.L.A. STORE.

SITE BOUNDARY

FENCE

33.19

CONCEPT STORMWATER DRAINAGE PLAN - SHEET 2
SCALE 1:500

LEGEND:

LEVELS DATUM IS AHD.

EXISTING SITE LEVELS AND DETAILS BASED ON SURVEY INFORMATION PROVIDED BY LANDPARTNERS TITLED AS0205 Clyde_BE_200620 TIN DATED 08/07/20.

- SINGLE GRATED GULLY PIT (SGGP)
- SGGP WITH PIT INSERT OR SILT MESH
- GD, GRATED DRAIN (300W x 225D UNO)
- ROOFWATER DOWNPIPE (INDICATIVE)
- ROOFWATER LINE
- DISH DRAIN
- PROPOSED DRAINAGE LINE
- EXISTING DRAINAGE LINE
- EXISTING DRAINAGE LINE TO BE REMOVED
- SUBSOIL LINE
- SUPER LOT BOUNDARY
- Q100 FLOOD EXTENT
- APPROXIMATE EXTENT OF TREE LINE
- RIPARIAN SETBACK

LEVELS NOTE:

LEVELS TO BE ±500mm FROM THOSE SHOWN. FINAL LEVELS SUBJECT TO MINOR VARIATIONS TO SUIT DETAILED DESIGN.

5m 0 10 20 30 40 50m
SCALE 1:500 AT A0 SHEET SIZE

FOR CONSTRUCTION

AMENDMENTS	DATE	ISSUE
REVISED AS CLOUDED	17.08.21	4
REVISED AS CLOUDED	29.06.21	3
REVISED AS CLOUDED	04.05.21	2
REVISED AS CLOUDED	24.03.21	1
ISSUED FOR CONSTRUCTION	10.03.21	0
ISSUED FOR 100% DETAILED DESIGN	11.02.21	A
REVISED AS CLOUDED	04.11.21	6
REVISED AS CLOUDED	18.08.21	5

CLIENT
DOWNER GROUP
TRINITI BUSINESS CAMPUS, 39 DELHI ROAD
NORTH RYDE NSW 2113
PH: (02) 9468 9700

PROJECT
SUSTAINABLE ROAD RESOURCE CENTRE
9 DEVON STREET, CLYDE NSW

DESIGNED XC · DRAWN HU · DATE AUG · CHECKED · SIZE A0 · SCALE AS SHOWN · CAD REF: C013919.02-C41

Costin Roe Consulting Pty Ltd.
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Costin Roe Consulting

PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE
CONCEPT STORMWATER DRAINAGE PLAN - SHEET 2

DRAWING NO C013919.02-C41 · ISSUE 6

Appendix B

TESTING/SAMPLING RESULTS

EVA	M4125/1	M4125/2
DOWNER EDI WORKS (M4125)	S22-Se0025294	S22-Se0025295
MBAS Calculated as MW: 288	< 0.2	< 0.2
Oil & Grease (HEM)	< 10	45
Phosphate total (as P)	0.19	0.08
Total Dissolved Solids Dried at 180 °C ± 2 °C	870	770
Total Nitrogen (as N)	2.1	1.4
Total Organic Carbon	39	25
Total Suspended Solids Dried at 103 °C to 105 °C	< 5	< 5
Heavy Metals		
Arsenic	0.006	0.005
Beryllium	< 0.001	< 0.001
Boron	0.07	0.09
Cadmium	< 0.0002	< 0.0002
Chromium	0.002	< 0.001
Cobalt	< 0.001	< 0.001
Copper	0.006	0.002
Lead	< 0.001	< 0.001
Manganese	0.024	0.46
Mercury	< 0.0001	< 0.0001
Nickel	0.006	0.003
Selenium	0.001	< 0.001
Zinc	< 0.005	< 0.005
Monocyclic Aromatic Hydrocarbons		
Benzene	0.001	< 0.001
Ethylbenzene	< 0.001	< 0.001
Isopropyl benzene (Cumene)	< 0.001	< 0.001
m&p-Xylenes	< 0.002	< 0.002
o-Xylene	< 0.001	< 0.001
Styrene	< 0.001	< 0.001
Toluene	< 0.001	< 0.001
Total MAH*	< 0.003	< 0.003
Xylenes - Total*	< 0.003	< 0.003
Toluene-d8 (surr.)	101	102
4-Bromofluorobenzene (surr.)	112	112
Total Recoverable Hydrocarbons		
Naphthalene	< 0.01	< 0.01
TRH >C10-C16	0.39	0.37
TRH >C10-C16 less Naphthalene (F2)	0.39	0.37
TRH >C10-C40 (total)*	1.09	1.07
TRH >C16-C34	0.7	0.7
TRH >C34-C40	< 0.1	< 0.1
TRH C10-C14	0.3	0.29

TRH C10-C36 (Total)	1.1	1.09
TRH C15-C28	0.7	0.7
TRH C29-C36	0.1	0.1
TRH C6-C10	0.07	0.02
TRH C6-C10 less BTEX (F1)	0.07	0.02
TRH C6-C9	0.06	< 0.02

EVA	M4190	M4190/1
DOWNER EDI WORKS (M4190)	S22-Oc0005698	S22-Oc0005699
MBAS Calculated as MW: 288	0.2	< 0.2
Oil & Grease (HEM)	< 10	46
Phosphate total (as P)	0.34	0.09
Total Dissolved Solids Dried at 180 °C ± 2 °C	360	480
Total Nitrogen (as N)	1.3	0.8
Total Organic Carbon	65	27
Total Suspended Solids Dried at 103 °C to 105 °C	8.4	< 5
Heavy Metals		
Arsenic	0.002	0.003
Beryllium	< 0.001	< 0.001
Boron	0.09	0.07
Cadmium	< 0.0002	< 0.0002
Chromium	0.003	< 0.001
Cobalt	0.002	< 0.001
Copper	0.034	0.011
Lead	0.012	0.001
Manganese	0.15	0.22
Mercury	< 0.0001	< 0.0001
Nickel	0.01	0.003
Selenium	< 0.001	< 0.001
Zinc	0.12	0.023
Monocyclic Aromatic Hydrocarbons		
Benzene	< 0.001	< 0.001
Ethylbenzene	< 0.001	< 0.001
Isopropyl benzene (Cumene)	< 0.001	< 0.001
m&p-Xylenes	< 0.002	< 0.002
o-Xylene	< 0.001	< 0.001
Styrene	< 0.001	< 0.001
Toluene	< 0.001	< 0.001
Total MAH*	< 0.003	< 0.003
Xylenes - Total*	< 0.003	< 0.003
Toluene-d8 (surr.)	114	120
4-Bromofluorobenzene (surr.)	105	107
Total Recoverable Hydrocarbons		
Naphthalene	< 0.01	< 0.01
TRH >C10-C16	0.54	< 0.05
TRH >C10-C16 less Naphthalene (F2)	0.54	< 0.05
TRH >C10-C40 (total)*	1.54	0.3
TRH >C16-C34	1	0.3
TRH >C34-C40	< 0.1	< 0.1
TRH C10-C14	0.45	< 0.05

TRH C10-C36 (Total)		1.65	0.3
TRH C15-C28		1	0.3
TRH C29-C36		0.2	< 0.1
TRH C6-C10	< 0.02	< 0.02	
TRH C6-C10 less BTEX (F1)	< 0.02	< 0.02	
TRH C6-C9	< 0.02	< 0.02	

EVA	M4196.1	M4196.2
DOWNER EDI WORKS (M4196)	S22-Oc0057808	S22-Oc0057809
MBAS Calculated as MW: 288	< 0.2	< 0.2
Nitrate & Nitrite (as N)	< 0.05	< 0.05
Oil & Grease (HEM)	26	62
Phosphate total (as P)	0.73	0.61
Total Dissolved Solids Dried at 180 °C ± 2 °C	160	260
Total Kjeldahl Nitrogen (as N)	3	
Total Nitrogen (as N)		5.6
Total Nitrogen (as N)*	3	
Total Organic Carbon	37	27
Total Suspended Solids Dried at 103 °C to 105 °C	330	270
Heavy Metals		
Arsenic	0.003	0.003
Beryllium	< 0.001	< 0.001
Boron	0.05	< 0.05
Cadmium	< 0.0002	< 0.0002
Chromium	0.006	0.011
Cobalt	0.005	0.009
Copper	0.035	0.06
Lead	0.024	0.039
Manganese	0.27	0.32
Mercury	< 0.0001	< 0.0001
Nickel	0.008	0.013
Selenium	< 0.001	< 0.001
Zinc	0.16	0.24
Monocyclic Aromatic Hydrocarbons		
Benzene	< 0.001	< 0.001
Ethylbenzene	< 0.001	< 0.001
Isopropyl benzene (Cumene)	< 0.001	< 0.001
m&p-Xylenes	< 0.002	< 0.002
o-Xylene	< 0.001	< 0.001
Styrene	< 0.001	< 0.001
Toluene	< 0.001	< 0.001
Total MAH*	< 0.003	< 0.003
Xylenes - Total*	< 0.003	< 0.003
Toluene-d8 (surr.)	143	132
4-Bromofluorobenzene (surr.)	137	135
Total Recoverable Hydrocarbons		
Naphthalene	< 0.01	< 0.01
TRH >C10-C16	0.3	0.37
TRH >C10-C16 less Naphthalene (F2)	0.3	0.37
TRH >C10-C40 (total)*	1	1.07

TRH >C16-C34		0.6	0.7
TRH >C34-C40		0.1	< 0.1
TRH C10-C14		0.24	0.25
TRH C10-C36 (Total)		1.04	0.95
TRH C15-C28		0.6	0.6
TRH C29-C36		0.2	0.1
TRH C6-C10	< 0.02	< 0.02	
TRH C6-C10 less BTEX (F1)	< 0.02	< 0.02	
TRH C6-C9	< 0.02	< 0.02	

EVA	M4222.1	M4222.2
DOWNER EDI WORKS (M4222)	S23-Fe0036056	S23-Fe0036057
MBAS Calculated as MW: 288	< 0.2	< 0.2
Nitrate & Nitrite (as N)	0.15	0.13
Oil & Grease (HEM)	15	< 10
Phosphate total (as P)	0.34	0.33
Total Dissolved Solids Dried at 180 °C ± 2 °C	180	460
Total Kjeldahl Nitrogen (as N)	3.7	1
Total Nitrogen (as N)*	3.85	1.13
Total Organic Carbon	30	49
Total Suspended Solids Dried at 103 °C to 105 °C	450	34
Heavy Metals		
Arsenic	0.003	0.006
Beryllium	< 0.001	< 0.001
Boron	0.1	0.09
Cadmium	< 0.0002	< 0.0002
Chromium	0.008	0.014
Cobalt	0.009	0.011
Copper	0.048	0.085
Lead	0.031	0.042
Manganese	0.26	0.42
Mercury	< 0.0001	< 0.0001
Nickel	0.015	0.017
Selenium	0.001	< 0.001
Zinc	0.082	0.3
Monocyclic Aromatic Hydrocarbons		
Benzene	< 0.001	< 0.001
Ethylbenzene	< 0.001	< 0.001
Isopropyl benzene (Cumene)	< 0.001	< 0.001
m&p-Xylenes	< 0.002	< 0.002
o-Xylene	< 0.001	< 0.001
Styrene	< 0.001	< 0.001
Toluene	< 0.001	< 0.001
Total MAH*	< 0.003	< 0.003
Xylenes - Total*	< 0.003	< 0.003
Toluene-d8 (surr.)	58	56
4-Bromofluorobenzene (surr.)	57	52
Total Recoverable Hydrocarbons		
TRH >C10-C16	0.24	0.71
TRH >C10-C16 less Naphthalene (F2)	0.24	0.71
TRH >C10-C40 (total)*	1.74	2.51
TRH >C16-C34	1.4	1.7
TRH >C34-C40	0.1	0.1

TRH C10-C14	< 0.05		0.36
TRH C10-C36 (Total)		1.6	2.26
TRH C15-C28		1.2	1.6
TRH C29-C36		0.4	0.3
TRH C6-C10	< 0.02	< 0.02	
TRH C6-C10 less BTEX (F1)	< 0.02	< 0.02	
TRH C6-C9	< 0.02	< 0.02	
Total Recoverable Hydrocarbons - 2013 NEPM Fractions			
Naphthalene	< 0.01	< 0.01	

EVA	M4136.10
DOWER EDI WORKS (M4136.10)	S23-Ap0025181
Ammonia (as N)	16
Biochemical Oxygen Demand (BOD-5 Day)	2200
Chloride	540
Cyanide (total)	< 0.01
Cyanide (weak acid dissoc.)	< 0.005
pH (at 25 °C)	7.4
Sulphate (as SO4)	< 50
Total Dissolved Solids Dried at 180 °C ± 2 °C	2100
Total Suspended Solids Dried at 103 °C to 105 °C	760
Halogenated Volatile Organics	
1.1.1.2-Tetrachloroethane	< 0.01
1.1.1-Trichloroethane	< 0.01
1.1.2.2-Tetrachloroethane	< 0.01
1.1.2-Trichloroethane	< 0.01
1.1-Dichloroethane	< 0.01
1.1-Dichloroethene	< 0.01
1.2.3-Trichloropropane	< 0.01
1.2-Dibromoethane	< 0.01
1.2-Dichlorobenzene	< 0.01
1.2-Dichloroethane	< 0.01
1.2-Dichloropropane	< 0.01
1.3-Dichlorobenzene	< 0.01
1.3-Dichloropropane	< 0.01
1.4-Dichlorobenzene	< 0.01
Bromodichloromethane	< 0.01
Bromoform	< 0.01
Bromomethane	< 0.05
Carbon Tetrachloride	< 0.01
Chlorobenzene	< 0.01
Chloroform	< 0.01
Chloromethane	< 0.05
cis-1.2-Dichloroethene	< 0.01
cis-1.3-Dichloropropene	< 0.01
Dibromochloromethane	< 0.01
Dibromomethane	< 0.01
Iodomethane	< 0.01
Methylene Chloride	< 0.05
Tetrachloroethene	< 0.01
trans-1.2-Dichloroethene	< 0.01
trans-1.3-Dichloropropene	< 0.01
Trichloroethene	< 0.01
Trichlorofluoromethane	< 0.05
Vic EPA IWRG 621 CHC (Total)*	< 0.05

Vic EPA IWRG 621 Other CHC (Total)*	< 0.05	
Vinyl chloride	< 0.05	
Toluene-d8 (surr.)		95
Heavy Metals		
Aluminium		10
Barium		0.49
Chromium		0.03
Copper		0.15
Iron		37
Lead		0.2
Manganese		4
Zinc		0.62
Organochlorine Pesticides		
4.4'-DDD	< 0.0002	
4.4'-DDE	< 0.0002	
4.4'-DDT	< 0.0002	
a-HCH	< 0.0002	
Aldrin	< 0.0002	
Aldrin and Dieldrin (Total)*	< 0.0002	
b-HCH	< 0.0002	
Chlordanes - Total	< 0.002	
DDT + DDE + DDD (Total)*	< 0.0002	
d-HCH	< 0.0002	
Dieldrin	< 0.0002	
Endosulfan I	< 0.0002	
Endosulfan II	< 0.0002	
Endosulfan sulphate	< 0.0002	
Endrin	< 0.0002	
Endrin aldehyde	< 0.0002	
Endrin ketone	< 0.0002	
g-HCH (Lindane)	< 0.0002	
Heptachlor	< 0.0002	
Heptachlor epoxide	< 0.0002	
Hexachlorobenzene	< 0.0002	
Methoxychlor	< 0.0002	
Toxaphene	< 0.005	
Vic EPA IWRG 621 OCP (Total)*	< 0.002	
Vic EPA IWRG 621 Other OCP (Total)*	< 0.002	
Dibutylchlorendate (surr.)		69
Tetrachloro-m-xylene (surr.)		52
Organophosphorus Pesticides		
Azinphos-methyl	< 0.002	
Bolstar	< 0.002	
Chlorfenvinphos	< 0.02	

Chlorpyrifos	< 0.002	
Chlorpyrifos-methyl	< 0.002	
Coumaphos	< 0.02	
Demeton-O	< 0.002	
Demeton-S	< 0.002	
Diazinon	< 0.002	
Dichlorvos	< 0.002	
Dimethoate	< 0.002	
Disulfoton	< 0.002	
EPN	< 0.002	
Ethion	< 0.002	
Ethoprop	< 0.002	
Ethyl parathion	< 0.002	
Fenitrothion	< 0.002	
Fensulfothion	< 0.002	
Fenthion	< 0.002	
Malathion	< 0.002	
Merphos	< 0.002	
Methyl parathion	< 0.002	
Mevinphos	< 0.002	
Monocrotophos	< 0.002	
Naled	< 0.002	
Omethoate	< 0.02	
Phorate	< 0.002	
Pirimiphos-methyl	< 0.02	
Pyrazophos	< 0.002	
Ronnel	< 0.002	
Terbufos	< 0.002	
Tetrachlorvinphos	< 0.002	
Tokuthion	< 0.002	
Trichloronate	< 0.002	
Triphenylphosphate (surr.)		60

TRH - 1999 NEPM Fractions (after silica gel clean-up)	
TRH C10-C14 (after silica gel clean-up)	< 0.05
TRH C10-C36 (Total) (after silica gel clean-up)	< 0.1
TRH C15-C28 (after silica gel clean-up)	< 0.1
TRH C29-C36 (after silica gel clean-up)	< 0.1

TRH - 2013 NEPM Fractions (after silica gel clean-up)	
TRH >C10-C16 (after silica gel clean-up)	< 0.05
TRH >C10-C40 (total) (after silica-gel clean up)*	< 0.1
TRH >C16-C34 (after silica gel clean-up)	< 0.1
TRH >C34-C40 (after silica gel clean-up)	< 0.1

EVA	M-08145.1	M-08145.2
DOWNER EDI WORKS	S23-My0004660	S23-My0004661
MBAS Calculated as MW: 288	1.6	2.7
Oil & Grease (HEM)	17	21
Phosphate total (as P)	0.08	0.08
Total Dissolved Solids Dried at 180 °C ± 2 °C	510	540
Total Nitrogen (as N)	1.2	0.8
Total Organic Carbon	36	48
Total Suspended Solids Dried at 103 °C to 105 °C	6.6	7.9
Heavy Metals		
Arsenic	0.003	0.003
Beryllium	< 0.001	< 0.001
Boron	< 0.5	< 0.5
Cadmium	< 0.0002	< 0.0002
Chromium	0.003	0.002
Cobalt	< 0.001	< 0.001
Copper	0.007	0.005
Lead	0.002	0.002
Manganese	0.04	0.16
Mercury	< 0.0001	< 0.0001
Nickel	0.002	0.002
Selenium	< 0.001	< 0.001
Zinc	0.022	0.025
Monocyclic Aromatic Hydrocarbons		
Benzene	< 0.001	< 0.001
Ethylbenzene	< 0.001	< 0.001
Isopropyl benzene (Cumene)	< 0.001	< 0.001
m&p-Xylenes	< 0.002	< 0.002
o-Xylene	< 0.001	< 0.001
Styrene	< 0.001	< 0.001
Toluene	0.001	0.002
Total MAH*	< 0.003	< 0.003
Xylenes - Total*	< 0.003	< 0.003
Toluene-d8 (surr.)	113	114
4-Bromofluorobenzene (surr.)	114	111
Total Recoverable Hydrocarbons		
TRH >C10-C16	0.34	1.1
TRH >C10-C16 less Naphthalene (F2)	0.34	1.1
TRH >C10-C40 (total)*	1.34	2.7
TRH >C16-C34	1	1.5
TRH >C34-C40	< 0.1	0.1
TRH C10-C14	0.2	0.8
TRH C10-C36 (Total)	1.5	2.8

TRH C15-C28		1.1	1.7
TRH C29-C36		0.2	0.3
TRH C6-C10	< 0.02	< 0.02	
TRH C6-C10 less BTEX (F1)	< 0.02	< 0.02	
TRH C6-C9	< 0.02	< 0.02	
Total Recoverable Hydrocarbons - 2013 NEPM Fractions			
Naphthalene	< 0.01	< 0.01	

Appendix C

ROAD SWEEPING INVOICES

COMPLETE SWEEP

M: 0412 442 217 (orders)
hire@completesweep.com.au
P: 02 4571 4400 (accounts)
admin@completesweep.com.au

ROAD SWEEPING - WATER CARTS - LINE REMOVAL - NON DESTRUCTIVE DIGGING

50732

DAY Wednesday DATE 31/5/23

CUSTOMER Fannies

CONTACT

JOB SITE Rosehill Yard

ORDER No. REGO No. CT54XV OPERATOR Justin

SWEEPER ☑ HP SWEEPER ☐ SMALL W/C ☐ LARGE W/C ☐

FLOAT	TRAVEL TIME (HRS)	MEAL BREAK (MINS)
/	–	–
START TIME	**FINISH TIME**	**TOTAL HOURS**
11.00 AM/PM	AM/PM	4
LABOUR ASSISTING	**TIP FEE**	**WATER LOADS**
–	–	–

I declare that I am a representative for the above named company and am authorised to confirm payment for the hours listed above. I understand that the Standard Hire Rates of Complete Sweep Pty Ltd apply unless alternative rates have been negotiated prior.

Authorised Signature: _____ **Print Name:** Lia

COMMENTS

COMPLETE SWEEP

M: 0412 442 217 (orders)
hire@completesweep.com.au
P: 02 4571 4400 (accounts)
admin@completesweep.com.au

ROAD SWEEPING - WATER CARTS - LINE REMOVAL - NON DESTRUCTIVE DIGGING

DAY Monday DATE 29-5-23 50464

CUSTOMER Bowmer

CONTACT

JOB SITE Rosehill

ORDER No. REGO No. XOZ2PV OPERATOR Pete

SWEEPER ☑ HP SWEEPER ☐ SMALL W/C ☐ LARGE W/C ☐

FLOAT	TRAVEL TIME (HRS)	MEAL BREAK (MINS)
✓	—	—
START TIME	**FINISH TIME**	**TOTAL HOURS**
1100 AM/PM	1500 AM/PM	4
LABOUR ASSISTING	**TIP FEE**	**WATER LOADS**
—	—	—

I declare that I am a representative for the above named company and am authorised to confirm payment for the hours listed above. I understand that the Standard Hire Rates of Complete Sweep Pty Ltd apply unless alternative rates have been negotiated prior.

Authorised Signature: _____ **Print Name:** Liam

COMMENTS Sweep yard & road as directed

COMPLETE SWEEP

M: 0412 442 217 (orders)
hire@completesweep.com.au
P: 02 4571 4400 (accounts)
admin@completesweep.com.au

ROAD SWEEPING - WATER CARTS - LINE REMOVAL - NON DESTRUCTIVE DIGGING

49509

DAY Wednesday DATE 7-6-23

CUSTOMER Downer

CONTACT –

JOB SITE Downer Yard Rosehill

ORDER No. 2259179 REGO No. CJD415 OPERATOR Gavin

SWEEPER ☑ HP SWEEPER ☐ SMALL W/C ☐ LARGE W/C ☐

FLOAT	TRAVEL TIME (HRS)	MEAL BREAK (MINS)
✓	–	–
START TIME	**FINISH TIME**	**TOTAL HOURS**
7 AM/PM	– AM/PM	4
LABOUR ASSISTING	**TIP FEE**	**WATER LOADS**
–	–	–

I declare that I am a representative for the above named company and am authorised to confirm payment for the hours listed above. I understand that the Standard Hire Rates of Complete Sweep Pty Ltd apply unless alternative rates have been negotiated prior.

Authorised Signature: _____ **Print Name:** V. WRIGLEY

COMMENTS Yard Sweep

COMPLETE SWEEP

M: 0412 442 217 (orders)
hire@completesweep.com.au
P: 02 4571 4400 (accounts)
admin@completesweep.com.au

ROAD SWEEPING - WATER CARTS - LINE REMOVAL - NON DESTRUCTIVE DIGGING

49655

DAY Friday DATE 2-6-23

CUSTOMER Downer

CONTACT

JOB SITE Rosehill

ORDER No. REGO No. XG76NC OPERATOR Pete

SWEEPER ☑ HP SWEEPER ☐ SMALL W/C ☐ LARGE W/C ☐

FLOAT	TRAVEL TIME (HRS)	MEAL BREAK (MINS)
✓	—	—
START TIME	**FINISH TIME**	**TOTAL HOURS**
1000 AM/PM	1400 AM/PM	4
LABOUR ASSISTING	**TIP FEE**	**WATER LOADS**
—	—	—

I declare that I am a representative for the above named company and am authorised to confirm payment for the hours listed above. I understand that the Standard Hire Rates of Complete Sweep Pty Ltd apply unless alternative rates have been negotiated prior.

Authorised Signature: KBen **Print Name:** Kylie Bigeni

COMMENTS Sweep yard as directed

Sweep road outside yard

COMPLETE SWEEP

M: 0412 442 217 (orders)
hire@completesweep.com.au
P: 02 4571 4400 (accounts)
admin@completesweep.com.au

ROAD SWEEPING - WATER CARTS - LINE REMOVAL - NON DESTRUCTIVE DIGGING

49657

DAY Monday DATE 5-6-23

CUSTOMER Bauer

CONTACT

JOB SITE Rosehill

ORDER No. REGO No. XOZ640 OPERATOR Pete

SWEEPER ☑ HP SWEEPER ☐ SMALL W/C ☐ LARGE W/C ☐

FLOAT	TRAVEL TIME (HRS)	MEAL BREAK (MINS)
✓	—	—
START TIME	**FINISH TIME**	**TOTAL HOURS**
1130 AM/PM	1530 AM/PM	4
LABOUR ASSISTING	**TIP FEE**	**WATER LOADS**
—	—	—

I declare that I am a representative for the above named company and am authorised to confirm payment for the hours listed above. I understand that the Standard Hire Rates of Complete Sweep Pty Ltd apply unless alternative rates have been negotiated prior.

Authorised Signature: [signature] **Print Name:** Kylie Bigeni

COMMENTS Sweep yard & road as directed

COMPLETE SWEEP

M: 0412 442 217 (orders)
hire@completesweep.com.au
P: 02 4571 4400 (accounts)
admin@completesweep.com.au

ROAD SWEEPING - WATER CARTS - LINE REMOVAL - NON DESTRUCTIVE DIGGING

49666

DAY Friday DATE 9-6-23

CUSTOMER Downer

CONTACT

JOB SITE Penrith

ORDER No. REGO No. 207 ZNQ OPERATOR Pete

SWEEPER ☑ HP SWEEPER ☐ SMALL W/C ☐ LARGE W/C ☐

FLOAT	TRAVEL TIME (HRS)	MEAL BREAK (MINS)
—	—	—
START TIME	**FINISH TIME**	**TOTAL HOURS**
1000 AM/PM	1400 AM/PM	4
LABOUR ASSISTING	**TIP FEE**	**WATER LOADS**
—	—	—

I declare that I am a representative for the above named company and am authorised to confirm payment for the hours listed above. I understand that the Standard Hire Rates of Complete Sweep Pty Ltd apply unless alternative rates have been negotiated prior.

Authorised Signature: _____ **Print Name:** Lisa

COMMENTS Sweep plant area roads within site - yard at entrance as directed

COMPLETE SWEEP

M: 0412 442 217 (orders)
hire@completesweep.com.au
P: 02 4571 4400 (accounts)
admin@completesweep.com.au

ROAD SWEEPING - WATER CARTS - LINE REMOVAL - NON DESTRUCTIVE DIGGING

49565

DAY ~~Monday~~ Tuesday DATE 13/6/23

CUSTOMER Downer

CONTACT

JOB SITE Rosehill Yard

ORDER No. REGO No. XQZ45T OPERATOR Justin

SWEEPER ☑ HP SWEEPER ☐ SMALL W/C ☐ LARGE W/C ☐

FLOAT	TRAVEL TIME (HRS)	MEAL BREAK (MINS)
✓	–	–

START TIME	FINISH TIME	TOTAL HOURS
7.15 AM/PM	AM/PM	4

LABOUR ASSISTING	TIP FEE	WATER LOADS
–	–	–

I declare that I am a representative for the above named company and am authorised to confirm payment for the hours listed above. I understand that the Standard Hire Rates of Complete Sweep Pty Ltd apply unless alternative rates have been negotiated prior.

Authorised Signature: _____ **Print Name:** T. Jerguey

COMMENTS

COMPLETE SWEEP

M: 0412 442 217 (orders)
hire@completesweep.com.au
P: 02 4571 4400 (accounts)
admin@completesweep.com.au

ROAD SWEEPING - WATER CARTS - LINE REMOVAL - NON DESTRUCTIVE DIGGING

DAY Wednesday DATE 14.06.23 50377

CUSTOMER Downer

CONTACT

JOB SITE Devon st, Rosehill

ORDER No. REGO No. 1069ST OPERATOR Emma

SWEEPER ☑ HP SWEEPER ☐ SMALL W/C ☐ LARGE W/C ☐

FLOAT	TRAVEL TIME (HRS)	MEAL BREAK (MINS)
✓	—	—
START TIME	FINISH TIME	TOTAL HOURS
0900 AM/PM	1300 AM/PM	4
LABOUR ASSISTING	TIP FEE	WATER LOADS
—	—	—

I declare that I am a representative for the above named company and am authorised to confirm payment for the hours listed above. I understand that the Standard Hire Rates of Complete Sweep Pty Ltd apply unless alternative rates have been negotiated prior.

Authorised Signature: _____ **Print Name:** Liam

COMMENTS Sweep downer yard as Directed by customer

COMPLETE SWEEP

M: 0412 442 217 (orders)
hire@completesweep.com.au
P: 02 4571 4400 (accounts)
admin@completesweep.com.au

ROAD SWEEPING - WATER CARTS - LINE REMOVAL - NON DESTRUCTIVE DIGGING

50381

DAY Friday DATE 16.06.23

CUSTOMER Downer

CONTACT Paul

JOB SITE Devon st, Rosehill

ORDER No. REGO No. XO69ST OPERATOR Emma

SWEEPER ☐ HP SWEEPER ☐ SMALL W/C ☐ LARGE W/C ☐

FLOAT	TRAVEL TIME (HRS)	MEAL BREAK (MINS)
✓	—	—
START TIME	**FINISH TIME**	**TOTAL HOURS**
0700 AM/PM	1100 AM/PM	4
LABOUR ASSISTING	**TIP FEE**	**WATER LOADS**
—	—	—

I declare that I am a representative for the above named company and am authorised to confirm payment for the hours listed above. I understand that the Standard Hire Rates of Complete Sweep Pty Ltd apply unless alternative rates have been negotiated prior.

Authorised Signature: [signature] **Print Name:** Lisa

COMMENTS Sweep Downer yard as directed by customer.

Appendix D

DRAIN FILTER INVOICES

TAX INVOICE

Downer Rosehill

Invoice Date
07 Jun 2023

Invoice Number
INV-29451

Purchase Order Number
Online Order# 94616

ABN
61 161 527 868

Aussie Erosion Pty Ltd T/as
Aussie Environmental
PO BOX 525
YANDINA QLD 4561
AUSTRALIA

Description	Quantity	Unit Price	GST	Amount AUD
Drain Filter 1300x1300x600 with Bilge Boom	2.00	140.00	10%	280.00
Freight to: Matthew Wade Downer Rosehill 11 Devon St, Rosehill NSW, Australia ROSEHILL New South Wales 2142 0419244748	1.00	24.25	10%	24.25

Subtotal	304.25
Total GST 10%	30.43
Invoice Total AUD	334.68
Total Net Payments AUD	334.68
Amount Due AUD	**0.00**

Due Date: 07 Jun 2023

Payment Terms

Payment is required before the goods are dispatched for Customers whom do not hold an account with Aussie Environmental. For account customers, the payment terms are strictly thirty (30) days from end of month of the date of invoice unless otherwise agreed by Aussie Environmental.

This is a payment claim made under the "*Building and Construction Industry Payments Act 2004*"

Payment Details:

Account Name: Aussie Erosion Pty Ltd

BSB: 064 014

Account Number: 1004 8995

To pay via Credit Card please call 07 5315 5431 during normal business hours.

PACKING SLIP

Downer Rosehill

Invoice Date
07 Jun 2023

Invoice Number
INV-29451

Purchase Order Number
Online Order# 94616

ABN
61 161 527 868

Aussie Erosion Pty Ltd T/as
Aussie Environmental
PO BOX 525
YANDINA QLD 4561
AUSTRALIA

Description	Quantity
Drain Filter 1300x1300x600 with Bilge Boom	2.00
Freight to: Matthew Wade Downer Rosehill 11 Devon St, Rosehill NSW, Australia ROSEHILL New South Wales 2142 0419244748	1.00

Appendix E

ENVIRONMENTAL INSPECTION CHECKLIST

DA-ZH-FM116.8 Environmental Inspection Checklist Asphalt Plant

Details

Form id	927851
Created at	27/06/2023 by Gordon McLisky
Completed at	
Last modified	27/06/2023 06:24:38 by Gordon McLisky
Status	In Progress
Respondent	Gordon McLisky
Division	RSV-172 - Road Services
Line of Business	RSV-173 - Pavements
Business Unit	RSV-173.171 - NSW Asphalt
Region	RSV-173.171.155 - Sydney Asp Services
Project / Contract	RSV-170163 - Asphalt Production Rosehill -
Workplace/Location	Devon st, Rosehill

PERSONS INVOLVED OR CONSULTED DURING INSPECTION

Name:	Signature

This inspection checklist must be updated to reflect the actual risks on site. Refer to the site specific Zero Harm Management Plan and risk register.

Waste Management (DA-ZH-ST063)

Waste stored in allocated bins and disposed appropriately?	Yes
Comments	
Are waste disposal/collection records maintained?	Yes
Comments	
Is there any visible litter present around site?	No
Comments	

Soil and Water Management (DA-ZH-ST064)

Are storage tanks including pipes, flanges, fittings etc. free from leaks and in good condition?	Yes
Comments	
Is stormwater directed to a treatment system and all associated drains free of sediment, hydrocarbons or other chemicals	Yes
Comments	
Is the wash bay clean and oil water seperator free of leaks, in good condition?	Not Applicable
Comments	
Has the wash bay oil capture unit has been checked and emptied as required?	Not Applicable
Comments	
Are drip trays and spill kits available in close proximity to transfer points?	Yes

Comments	
Are drain wardens, mesh or a gravel filter (or similar) in place at stormwater inlets to reduce the sediment load entering the stormwater drains	Yes
Comments	

Stockpiles (DA-ZH-ST064)

Are sprinklers in working order? (physically test the system)	Yes
Comments	Action in May inspection to fix RAP sprinklers - water cart used as interim solution.
Are stockpiles contained in storage bays below the height of the wind break?	Yes
Comments	

Air Quality (DA-ZH-ST070)

Stack emissions are free from black smoke or significant visual emissions?	Yes
Comments	
Is there any notable odour present at site boundary?	No
Comments	
Is there a build-up of dust that may become airborne? (Arrange for sweeping of yard)	Yes
Comments	Site street sweeper in operation.
Are visible dust emissions (if any) contained within the boundaries of site?	Yes
Comments	
Are the condensers/activated carbon filters or other contrl on bitumen tank vents working effectively i.e. Activated carbon filter is dry or noticeable difference in odour/blue smoke?	Yes
Comments	

Hazardous substances and dangerous goods (DG-ZH-ST024)

Is the dangerous goods licence/notification displayed on site with correct manifest quantities? Are all DG labels visible and clear?	Yes
Comments	
Are all hazardous liquids stored within appropriately bunded areas? (this includes IBC's and drums)	Yes
Comments	
Are waste drums and IBC's regularly removed from site?	Yes
Comments	
Are all spills immediately contained, absorbed and waste appropriately disposed of?	Yes
Comments	

Do all chemicals on site have a valiad Safety Data Sheet (<5 years old)	Yes
Comments	
Are spill kits available, well stocked, signed and easily accessible?	Yes
Comments	
Are bunds free from liquid and any other material that may compromise it's storage capacity? (Record date and person responsible when bunds are emptied) *Note: Hazardous liquids must be managed immediately*	Yes
Comments	
Person responsible when bunds were emptied	
Record date of when bund was emptied	
Environmental Noise and Vibration (DG-ZH-ST069)	
Is work completed in accordance with state-based approved hours for execution of noise?	Yes
Comments	
Is plant and equipment adequately maintained, kept in good operating order and operated in an appropriate and efficient manner? Check all noise and vibration reduction devices are operating effectively?	Yes
Comments	
Have all (if any) complaints been recorded in INX?	Yes
Comments	
OTHER ISSUES IDENTIFIED	

INSPECTION SIGN OFF

Total number of corrective actions identified:	Signature of Responsible Manager	Manager comments

Additional

Photos

Attachments

- *No file attachments*

Actions

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
42697	Paul	Sherry	24/07/2023		Dispose of 20kg bags of cold mix stored at front of asphalt weighbridge.	Open	
42698	Bulent	Cesurcan	07/07/2023	27/06/2023	Water barriers stored at site exit. Relocate to back of site	Closed	Used forklift to get the barriers away from front gate to the back of site. Placed around drains as

(SW corner of ring road) instructed

DA-ZH-FM116.8 Environmental Inspection Checklist Asphalt Plant

Details

Form id	915307
Created at	31/05/2023 by Gordon McLisky
Completed at	05/06/2023
Last modified	05/06/2023 09:42:11 by Dale Thomas
Status	Complete
Respondent	Gordon McLisky
Division	RSV-172 - Road Services
Line of Business	RSV-173 - Pavements
Business Unit	RSV-173.171 - NSW Asphalt
Region	RSV-173.171.155 - Sydney Asp Services
Project / Contract	RSV-170163 - Asphalt Production Rosehill -
Workplace/Location	Devon St Rosehill

PERSONS INVOLVED OR CONSULTED DURING INSPECTION

Name:	Signature
Gordon McLisky	

This inspection checklist must be updated to reflect the actual risks on site. Refer to the site specific Zero Harm Management Plan and risk register.

Waste Management (DA-ZH-ST063)

Waste stored in allocated bins and disposed appropriately?	Yes
Comments	
Are waste disposal/collection records maintained?	Yes
Comments	
Is there any visible litter present around site?	No
Comments	

Soil and Water Management (DA-ZH-ST064)

Are storage tanks including pipes, flanges, fittings etc. free from leaks and in good condition?	Yes
Comments	
Is stormwater directed to a treatment system and all associated drains free of sediment, hydrocarbons or other chemicals	Yes
Comments	
Is the wash bay clean and oil water seperator free of leaks, in good condition?	Not Applicable
Comments	
Has the wash bay oil capture unit has been checked and emptied as required?	Not Applicable

Comments	
Are drip trays and spill kits available in close proximity to transfer points?	Yes
Comments	
Are drain wardens, mesh or a gravel filter (or similar) in place at stormwater inlets to reduce the sediment load entering the stormwater drains	Yes
Comments	

Stockpiles (DA-ZH-ST064)

Are sprinklers in working order? (physically test the system)	No
Comments	Pumps for RAP sprinkler system to be checked
Are stockpiles contained in storage bays below the height of the wind break?	Yes
Comments	

Air Quality (DA-ZH-ST070)

Stack emissions are free from black smoke or significant visual emissions?	Yes
Comments	
Is there any notable odour present at site boundary?	No
Comments	
Is there a build-up of dust that may become airborne? (Arrange for sweeping of yard)	No
Comments	
Are visible dust emissions (if any) contained within the boundaries of site?	Yes
Comments	
Are the condensers/activated carbon filters or other contrl on bitumen tank vents working effectively i.e. Activated carbon filter is dry or noticeable difference in odour/blue smoke?	Yes
Comments	

Hazardous substances and dangerous goods (DG-ZH-ST024)

Is the dangerous goods licence/notification displayed on site with correct manifest quantities? Are all DG labels visible and clear?	Yes
Comments	
Are all hazardous liquids stored within appropriately bunded areas? (this includes IBC's and drums)	Yes
Comments	
Are waste drums and IBC's regularly removed from site?	Yes
Comments	
Are all spills immediately contained, absorbed and waste appropriately disposed of?	Yes

Comments	
Do all chemicals on site have a valiad Safety Data Sheet (<5 years old)	Yes
Comments	
Are spill kits available, well stocked, signed and easily accessible?	Yes
Comments	
Are bunds free from liquid and any other material that may compromise it's storage capacity? (Record date and person responsible when bunds are emptied) *Note: Hazardous liquids must be managed immediately*	Yes
Comments	
Person responsible when bunds were emptied	Gordon McLisky
Record date of when bund was emptied	05/06/2023
Environmental Noise and Vibration (DG-ZH-ST069)	
Is work completed in accordance with state-based approved hours for execution of noise?	Yes
Comments	
Is plant and equipment adequately maintained, kept in good operating order and operated in an appropriate and efficient manner? Check all noise and vibration reduction devices are operating effectively?	Yes
Comments	
Have all (if any) complaints been recorded in INX?	N/A
Comments	
OTHER ISSUES IDENTIFIED	

INSPECTION SIGN OFF

Total number of corrective actions identified:	Signature of Responsible Manager	Manager comments
3		

Additional

Photos

Attachments

- *No file attachments*

Actions

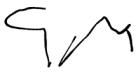
ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
42116	Paul	Sherry	31/08/2023	05/06/2023	Check 20kg cold mix bags are still required on site or can they be removed	Closed	Split bags to disposed of and rest moved to A store,
42117	Gordon	McLisky	02/06/2023	08/06/2023	Empty green bin at bitumen tanks	Closed	
42118	Roy	Stiff	30/06/2023		Pumps for sprinkler system on side of RAP building not working. Investigate issue..	Open	

DA-ZH-FM116.8 Environmental Inspection Checklist Asphalt Plant

Details

Form id	897860
Created at	28/04/2023 by Gordon McLisky
Completed at	05/06/2023
Last modified	09/06/2023 07:29:17 by Gordon McLisky
Status	Complete
Respondent	Gordon McLisky
Division	RSV-172 - Road Services
Line of Business	RSV-173 - Pavements
Business Unit	RSV-173.171 - NSW Asphalt
Region	RSV-173.171.155 - Sydney Asp Services
Project / Contract	RSV-170163 - Asphalt Production Rosehill -
Workplace/Location	DSRRC

PERSONS INVOLVED OR CONSULTED DURING INSPECTION

Name:	Signature
Gordon McLisky	

This inspection checklist must be updated to reflect the actual risks on site. Refer to the site specific Zero Harm Management Plan and risk register.

Waste Management (DA-ZH-ST063)

Waste stored in allocated bins and disposed appropriately?	Yes
Comments	
Are waste disposal/collection records maintained?	Yes
Comments	
Is there any visible litter present around site?	No
Comments	

Soil and Water Management (DA-ZH-ST064)

Are storage tanks including pipes, flanges, fittings etc. free from leaks and in good condition?	Yes
Comments	
Is stormwater directed to a treatment system and all associated drains free of sediment, hydrocarbons or other chemicals	Yes
Comments	
Is the wash bay clean and oil water seperator free of leaks, in good condition?	Not Applicable
Comments	
Has the wash bay oil capture unit has been checked and emptied as required?	Yes

Comments	
Are drip trays and spill kits available in close proximity to transfer points?	Yes
Comments	
Are drain wardens, mesh or a gravel filter (or similar) in place at stormwater inlets to reduce the sediment load entering the stormwater drains	Yes
Comments	

Stockpiles (DA-ZH-ST064)

Are sprinklers in working order? (physically test the system)	Yes
Comments	
Are stockpiles contained in storage bays below the height of the wind break?	Yes
Comments	

Air Quality (DA-ZH-ST070)

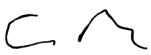
Stack emissions are free from black smoke or significant visual emissions?	Yes
Comments	
Is there any notable odour present at site boundary?	No
Comments	
Is there a build-up of dust that may become airborne? (Arrange for sweeping of yard)	No
Comments	
Are visible dust emissions (if any) contained within the boundaries of site?	Yes
Comments	
Are the condensers/activated carbon filters or other contrl on bitumen tank vents working effectively i.e. Activated carbon filter is dry or noticeable difference in odour/blue smoke?	Yes
Comments	

Hazardous substances and dangerous goods (DG-ZH-ST024)

Is the dangerous goods licence/notification displayed on site with correct manifest quantities? Are all DG labels visible and clear?	Yes
Comments	
Are all hazardous liquids stored within appropriately bunded areas? (this includes IBC's and drums)	Yes
Comments	
Are waste drums and IBC's regularly removed from site?	Yes
Comments	
Are all spills immediately contained, absorbed and waste appropriately disposed of?	Yes

Comments	
Do all chemicals on site have a valiad Safety Data Sheet (<5 years old)	Yes
Comments	
Are spill kits available, well stocked, signed and easily accessible?	Yes
Comments	
Are bunds free from liquid and any other material that may compromise it's storage capacity? (Record date and person responsible when bunds are emptied) *Note: Hazardous liquids must be managed immediately*	Yes
Comments	
Person responsible when bunds were emptied	Gordon McLisky
Record date of when bund was emptied	05/06/2023
Environmental Noise and Vibration (DG-ZH-ST069)	
Is work completed in accordance with state-based approved hours for execution of noise?	Yes
Comments	
Is plant and equipment adequately maintained, kept in good operating order and operated in an appropriate and efficient manner? Check all noise and vibration reduction devices are operating effectively?	Yes
Comments	
Have all (if any) complaints been recorded in INX?	N/A
Comments	
OTHER ISSUES IDENTIFIED	

INSPECTION SIGN OFF

Total number of corrective actions identified:	Signature of Responsible Manager	Manager comments
8		

Additional

Photos

Attachments

- *No file attachments*

Actions

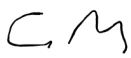
ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
41079	Roy	Stiff	31/05/2023	05/06/2023	Pallets from workshop deliveries are being stored next to steel bin. Dispose if waste or relocate if they will be re-used.	Closed	Relocated away from steel bin
41080	Roy	Stiff	31/07/2023	19/06/2023	Left over ladders from bitumen tank farm being stored next to diesel tank. Arrange for AMMANN to collect or relocate if they are staying on site.	Closed	Relocated to storage area front of yard
41081	Gordon	McLisky	28/04/2023	28/04/2023	Empty bin at drivers hut	Closed	
41082	Daniel	Hogan	05/05/2023	04/05/2023	SDS for ethanol > 5 years old. New SDS required.	Closed	New SDS received from supplier
41083	Gordon	McLisky	05/05/2023	28/04/2023	SDS for aquaslip, enviroslip & diesel > 5 years old. New SDS required.	Closed	
41084	Roy	Stiff	31/05/2023	19/06/2023	Connect bund pump for emulsion bund.	Closed	Electrically connected & pipe work replaced.
41085	Matthew	Wade	05/05/2023	08/05/2023	Clean build up around storm water pit B9 (pit at reconomy office)	Closed	
41086	Paul	Sherry	31/05/2023	30/05/2023	Quality of water retained in bio-basin needs to be investigated. Sample and test water.	Closed	GPT pump out conducted. Invoices attached.

DA-ZH-FM116.8 Environmental Inspection Checklist Asphalt Plant

Details

Form id	881188
Created at	27/03/2023 by Gordon McLisky
Completed at	05/06/2023
Last modified	05/06/2023 11:37:34 by Dale Thomas
Status	Complete
Respondent	Gordon McLisky
Division	RSV-172 - Road Services
Line of Business	RSV-173 - Pavements
Business Unit	RSV-173.171 - NSW Asphalt
Region	RSV-173.171.155 - Sydney Asp Services
Project / Contract	RSV-170163 - Asphalt Production Rosehill -
Workplace/Location	Rosehill Asphalt Plant

PERSONS INVOLVED OR CONSULTED DURING INSPECTION

Name:	Signature
Gordon McLisky	

This inspection checklist must be updated to reflect the actual risks on site. Refer to the site specific Zero Harm Management Plan and risk register.

Waste Management (DA-ZH-ST063)

Waste stored in allocated bins and disposed appropriately?	Yes
Comments	
Are waste disposal/collection records maintained?	Yes
Comments	
Is there any visible litter present around site?	No
Comments	Cigarette butts in car park

Soil and Water Management (DA-ZH-ST064)

Are storage tanks including pipes, flanges, fittings etc. free from leaks and in good condition?	Yes
Comments	
Is stormwater directed to a treatment system and all associated drains free of sediment, hydrocarbons or other chemicals	Yes
Comments	
Is the wash bay clean and oil water seperator free of leaks, in good condition?	Not Applicable
Comments	
Has the wash bay oil capture unit has been checked and emptied as required?	Not Applicable

Comments	
Are drip trays and spill kits available in close proximity to transfer points?	Yes
Comments	
Are drain wardens, mesh or a gravel filter (or similar) in place at stormwater inlets to reduce the sediment load entering the stormwater drains	Yes
Comments	

Stockpiles (DA-ZH-ST064)

Are sprinklers in working order? (physically test the system)	Yes
Comments	
Are stockpiles contained in storage bays below the height of the wind break?	Yes
Comments	

Air Quality (DA-ZH-ST070)

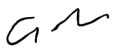
Stack emissions are free from black smoke or significant visual emissions?	Yes
Comments	
Is there any notable odour present at site boundary?	No
Comments	
Is there a build-up of dust that may become airborne? (Arrange for sweeping of yard)	No
Comments	
Are visible dust emissions (if any) contained within the boundaries of site?	Yes
Comments	
Are the condensers/activated carbon filters or other contrl on bitumen tank vents working effectively i.e. Activated carbon filter is dry or noticeable difference in odour/blue smoke?	Yes
Comments	

Hazardous substances and dangerous goods (DG-ZH-ST024)

Is the dangerous goods licence/notification displayed on site with correct manifest quantities? Are all DG labels visible and clear?	Yes
Comments	
Are all hazardous liquids stored within appropriately bunded areas? (this includes IBC's and drums)	Yes
Comments	
Are waste drums and IBC's regularly removed from site?	Yes
Comments	
Are all spills immediately contained, absorbed and waste appropriately disposed of?	Yes

Comments	
Do all chemicals on site have a valiad Safety Data Sheet (<5 years old)	Yes
Comments	
Are spill kits available, well stocked, signed and easily accessible?	Yes
Comments	
Are bunds free from liquid and any other material that may compromise it's storage capacity? (Record date and person responsible when bunds are emptied) *Note: Hazardous liquids must be managed immediately*	Yes
Comments	
Person responsible when bunds were emptied	Gordon McLisky
Record date of when bund was emptied	27/03/2023
Environmental Noise and Vibration (DG-ZH-ST069)	
Is work completed in accordance with state-based approved hours for execution of noise?	Yes
Comments	
Is plant and equipment adequately maintained, kept in good operating order and operated in an appropriate and efficient manner? Check all noise and vibration reduction devices are operating effectively?	Yes
Comments	
Have all (if any) complaints been recorded in INX?	Yes
Comments	
OTHER ISSUES IDENTIFIED	

INSPECTION SIGN OFF

Total number of corrective actions identified:	Signature of Responsible Manager	Manager comments
4		

Additional

Photos

Attachments

- *No file attachments*

Actions

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
40126	Gordon	McLisky	27/03/2023	27/03/2023	Sweep diesel bund	Closed	
40127	Matthew	Wade	27/03/2023	27/03/2023	Dispose of old sand bag at SW drain opposite Reconomy plant	Closed	
40128	Roy	Stiff	24/04/2023	26/04/2023	Weeds growing around retention basin. Check if gardeners are carrying out weed management in this area.	Closed	Existing scope of work has been increased to cover these areas during programmed visits.
40129	Daniel	Hogan	07/04/2023	27/03/2023	Cigarette butts at carpark. Send out email communication to all Rosehill staff reinforcing smoking only permitted at the designated smoking areas.	Closed	Email sent 27/3/23

DA-ZH-FM116.8 Environmental Inspection Checklist Asphalt Plant

Details

Form id	874567
Created at	15/03/2023 by Gordon McLisky
Completed at	05/06/2023
Last modified	05/06/2023 11:38:33 by Dale Thomas
Status	Complete
Respondent	Gordon McLisky
Division	RSV-172 - Road Services
Line of Business	RSV-173 - Pavements
Business Unit	RSV-173.171 - NSW Asphalt
Region	RSV-173.171.155 - Sydney Asp Services
Project / Contract	RSV-170163 - Asphalt Production Rosehill -
Workplace/Location	Rosehill Asphalt Plant

PERSONS INVOLVED OR CONSULTED DURING INSPECTION

Name:	Signature
Gordon McLisky	

This inspection checklist must be updated to reflect the actual risks on site. Refer to the site specific Zero Harm Management Plan and risk register.

Waste Management (DA-ZH-ST063)

Waste stored in allocated bins and disposed appropriately?	Yes
Comments	
Are waste disposal/collection records maintained?	Yes
Comments	
Is there any visible litter present around site?	No
Comments	

Soil and Water Management (DA-ZH-ST064)

Are storage tanks including pipes, flanges, fittings etc. free from leaks and in good condition?	Yes
Comments	
Is stormwater directed to a treatment system and all associated drains free of sediment, hydrocarbons or other chemicals	Yes
Comments	
Is the wash bay clean and oil water seperator free of leaks, in good condition?	Not Applicable
Comments	
Has the wash bay oil capture unit has been checked and emptied as required?	Not Applicable

Comments	
Are drip trays and spill kits available in close proximity to transfer points?	Yes
Comments	
Are drain wardens, mesh or a gravel filter (or similar) in place at stormwater inlets to reduce the sediment load entering the stormwater drains	Yes
Comments	

Stockpiles (DA-ZH-ST064)

Are sprinklers in working order? (physically test the system)	Yes
Comments	
Are stockpiles contained in storage bays below the height of the wind break?	Yes
Comments	

Air Quality (DA-ZH-ST070)

Stack emissions are free from black smoke or significant visual emissions?	Yes
Comments	
Is there any notable odour present at site boundary?	No
Comments	
Is there a build-up of dust that may become airborne? (Arrange for sweeping of yard)	No
Comments	
Are visible dust emissions (if any) contained within the boundaries of site?	Yes
Comments	
Are the condensers/activated carbon filters or other contrl on bitumen tank vents working effectively i.e. Activated carbon filter is dry or noticeable difference in odour/blue smoke?	Yes
Comments	

Hazardous substances and dangerous goods (DG-ZH-ST024)

Is the dangerous goods licence/notification displayed on site with correct manifest quantities? Are all DG labels visible and clear?	Yes
Comments	
Are all hazardous liquids stored within appropriately bunded areas? (this includes IBC's and drums)	Yes
Comments	
Are waste drums and IBC's regularly removed from site?	Yes
Comments	
Are all spills immediately contained, absorbed and waste appropriately disposed of?	Yes

Comments	
Do all chemicals on site have a valiad Safety Data Sheet (<5 years old)	Yes
Comments	
Are spill kits available, well stocked, signed and easily accessible?	Yes
Comments	
Are bunds free from liquid and any other material that may compromise it's storage capacity? (Record date and person responsible when bunds are emptied) *Note: Hazardous liquids must be managed immediately*	Yes
Comments	
Person responsible when bunds were emptied	Gordon McLisky
Record date of when bund was emptied	05/06/2023
Environmental Noise and Vibration (DG-ZH-ST069)	
Is work completed in accordance with state-based approved hours for execution of noise?	Yes
Comments	
Is plant and equipment adequately maintained, kept in good operating order and operated in an appropriate and efficient manner? Check all noise and vibration reduction devices are operating effectively?	Yes
Comments	
Have all (if any) complaints been recorded in INX?	Yes
Comments	
OTHER ISSUES IDENTIFIED	

INSPECTION SIGN OFF

Total number of corrective actions identified:	Signature of Responsible Manager	Manager comments
0		

DA-ZH-FM116.8 Environmental Inspection Checklist Asphalt Plant

Additional

Photos

Attachments

- *No file attachments*

Actions

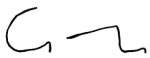
ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment

DA-ZH-FM116.8 Environmental Inspection Checklist Asphalt Plant

Details

Form id	846315
Created at	20/01/2023 by Gordon McLisky
Completed at	05/06/2023
Last modified	05/06/2023 11:39:40 by Dale Thomas
Status	Complete
Respondent	Gordon McLisky
Division	RSV-172 - Road Services
Line of Business	RSV-173 - Pavements
Business Unit	RSV-173.171 - NSW Asphalt
Region	RSV-173.171.155 - Sydney Asp Services
Project / Contract	RSV-170163 - Asphalt Production Rosehill -
Workplace/Location	Rosehill

PERSONS INVOLVED OR CONSULTED DURING INSPECTION

Name:	Signature
Gordon McLisky	

This inspection checklist must be updated to reflect the actual risks on site. Refer to the site specific Zero Harm Management Plan and risk register.

Waste Management (DA-ZH-ST063)

Waste stored in allocated bins and disposed appropriately?	Yes
Comments	
Are waste disposal/collection records maintained?	Yes
Comments	
Is there any visible litter present around site?	Yes
Comments	Very small amount of litter around site border - cleaned at time of inspection

Soil and Water Management (DA-ZH-ST064)

Are storage tanks including pipes, flanges, fittings etc. free from leaks and in good condition?	Yes
Comments	
Is stormwater directed to a treatment system and all associated drains free of sediment, hydrocarbons or other chemicals	Yes
Comments	
Is the wash bay clean and oil water seperator free of leaks, in good condition?	Yes
Comments	

Has the wash bay oil capture unit has been checked and emptied as required?	Yes
Comments	
Are drip trays and spill kits available in close proximity to transfer points?	Yes
Comments	
Are drain wardens, mesh or a gravel filter (or similar) in place at stormwater inlets to reduce the sediment load entering the stormwater drains	Yes
Comments	

Stockpiles (DA-ZH-ST064)

Are sprinklers in working order? (physically test the system)	Yes
Comments	
Are stockpiles contained in storage bays below the height of the wind break?	Yes
Comments	

Air Quality (DA-ZH-ST070)

Stack emissions are free from black smoke or significant visual emissions?	Yes
Comments	
Is there any notable odour present at site boundary?	No
Comments	
Is there a build-up of dust that may become airborne? (Arrange for sweeping of yard)	No
Comments	
Are visible dust emissions (if any) contained within the boundaries of site?	Yes
Comments	
Are the condensers/activated carbon filters or other contrl on bitumen tank vents working effectively i.e. Activated carbon filter is dry or noticeable difference in odour/blue smoke?	Yes
Comments	

Hazardous substances and dangerous goods (DG-ZH-ST024)

Is the dangerous goods licence/notification displayed on site with correct manifest quantities? Are all DG labels visible and clear?	Yes
Comments	
Are all hazardous liquids stored within appropriately bunded areas? (this includes IBC's and drums)	Yes
Comments	
Are waste drums and IBC's regularly removed from site?	Yes
Comments	

Are all spills immediately contained, absorbed and waste appropriately disposed of?	Yes
Comments	
Do all chemicals on site have a valiad Safety Data Sheet (<5 years old)	Yes
Comments	
Are spill kits available, well stocked, signed and easily accessible?	Yes
Comments	
Are bunds free from liquid and any other material that may compromise it's storage capacity? (Record date and person responsible when bunds are emptied) *Note: Hazardous liquids must be managed immediately*	Yes
Comments	
Person responsible when bunds were emptied	Gordon McLisky
Record date of when bund was emptied	13/03/2023

Environmental Noise and Vibration (DG-ZH-ST069)

Is work completed in accordance with state-based approved hours for execution of noise?	Yes
Comments	
Is plant and equipment adequately maintained, kept in good operating order and operated in an appropriate and efficient manner? Check all noise and vibration reduction devices are operating effectively?	Yes
Comments	
Have all (if any) complaints been recorded in INX?	N/A
Comments	

OTHER ISSUES IDENTIFIED

INSPECTION SIGN OFF

Total number of corrective actions identified:	Signature of Responsible Manager	Manager comments
8		

Additional

Photos

Attachments

- *No file attachments*

Actions

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
38201	Daniel	Hogan	03/02/2023	08/02/2023	Remove pallets from class 3 DG store	Closed	Awaiting capex approval to have chemical pumping system installed so the use of the wooden pallets wont be needed. In the meantime, I've discussed the issue with zero harm and they believe that it doesnt present an issue in the short term as the wooden pallets dont contribute to the structural integrity of the DG container and the DG container complies with the requirements of AS1940
38202	Daniel	Hogan	17/02/2023	21/02/2023	Review process for decanting waste into IBC inside class 3 DG store	Closed	Waiting on capex approval for installing an automatic decanting system of solvents directly from the lab fume cupboard into the waste IBC
38203	Gordon	McLisky	27/01/2023	20/01/2023	Dispose of sheet metal at site boundary	Closed	
38204	Nakita	Powell	03/02/2023	30/01/2023	Fix 2 x split hoses at reconomy.	Closed	jack fixed friday
38205	Roy	Stiff	28/02/2023	06/03/2023	Next visit from gardeners have them remove weeds growing from sandstone rock drain coming from spare block at front of site.	Closed	Emerald instructed to clear weeds from rubble drain- Completed 3-3-23
38206	Matthew	Wade	24/01/2023	13/03/2023	Remove snakes around stormwater pit at front of site near booster pumps	Closed	
38207	Matthew	Wade	03/02/2023	25/01/2023	Implement a daily check on stormwater drains around reconomy plant to clean any build up.	Closed	
38208	Matthew	Wade	24/01/2023	13/03/2023	Remove geofab from stormwater drains on eastern boundary of site near Reconomy plant	Closed	

DA-ZH-FM116.8 Environmental Inspection Checklist Asphalt Plant

Details

Form id	806925
Created at	31/10/2022 by Gordon McLisky
Completed at	07/11/2022
Last modified	23/11/2022 09:13:45 by Matthew Wade
Status	Complete
Respondent	Gordon McLisky
Division	RSV-172 - Road Services
Line of Business	RSV-173 - Pavements
Business Unit	RSV-173.171 - NSW Asphalt
Region	RSV-173.171.155 - Sydney Asp Services
Project / Contract	RSV-170163 - Asphalt Production Rosehill -
Workplace/Location	Rosehill Asphalt Plant

PERSONS INVOLVED OR CONSULTED DURING INSPECTION

Name:	Signature
Harry Papaeleou	

This inspection checklist must be updated to reflect the actual risks on site. Refer to the site specific Zero Harm Management Plan and risk register.

Waste Management (DA-ZH-ST063)

Waste stored in allocated bins and disposed appropriately?	Yes
Comments	
Are waste disposal/collection records maintained?	Yes
Comments	
Is there any visible litter present around site?	Yes
Comments	Minor litter on site boundary blown in from wind

Soil and Water Management (DA-ZH-ST064)

Are storage tanks including pipes, flanges, fittings etc. free from leaks and in good condition?	Yes
Comments	
Is stormwater directed to a treatment system and all associated drains free of sediment, hydrocarbons or other chemicals	No
Comments	Drain wardens on western boundary road need to be emptied
Is the wash bay clean and oil water seperator free of leaks, in good condition?	Not Applicable
Comments	
Has the wash bay oil capture unit has been checked and emptied as required?	Not Applicable

Comments	
Are drip trays and spill kits available in close proximity to transfer points?	Yes
Comments	
Are drain wardens, mesh or a gravel filter (or similar) in place at stormwater inlets to reduce the sediment load entering the stormwater drains	Yes
Comments	

Stockpiles (DA-ZH-ST064)

Are sprinklers in working order? (physically test the system)	Yes
Comments	
Are stockpiles contained in storage bays below the height of the wind break?	Yes
Comments	Reconomy sand stock pile to be pushed in

Air Quality (DA-ZH-ST070)

Stack emissions are free from black smoke or significant visual emissions?	Yes
Comments	
Is there any notable odour present at site boundary?	No
Comments	
Is there a build-up of dust that may become airborne? (Arrange for sweeping of yard)	No
Comments	
Are visible dust emissions (if any) contained within the boundaries of site?	Yes
Comments	
Are the condensers/activated carbon filters or other contrl on bitumen tank vents working effectively i.e. Activated carbon filter is dry or noticeable difference in odour/blue smoke?	Yes
Comments	

Hazardous substances and dangerous goods (DG-ZH-ST024)

Is the dangerous goods licence/notification displayed on site with correct manifest quantities? Are all DG labels visible and clear?	Yes
Comments	
Are all hazardous liquids stored within appropriately bunded areas? (this includes IBC's and drums)	Yes
Comments	
Are waste drums and IBC's regularly removed from site?	Yes
Comments	8 IBCs to be removed
Are all spills immediately contained, absorbed and waste appropriately disposed of?	Yes

Comments	
Do all chemicals on site have a valiad Safety Data Sheet (<5 years old)	Yes
Comments	
Are spill kits available, well stocked, signed and easily accessible?	Yes
Comments	
Are bunds free from liquid and any other material that may compromise it's storage capacity? (Record date and person responsible when bunds are emptied) *Note: Hazardous liquids must be managed immediately*	Yes
Comments	
Person responsible when bunds were emptied	Matthew Wade
Record date of when bund was emptied	07/11/2022
Environmental Noise and Vibration (DG-ZH-ST069)	
Is work completed in accordance with state-based approved hours for execution of noise?	Yes
Comments	
Is plant and equipment adequately maintained, kept in good operating order and operated in an appropriate and efficient manner? Check all noise and vibration reduction devices are operating effectively?	Yes
Comments	
Have all (if any) complaints been recorded in INX?	N/A
Comments	
OTHER ISSUES IDENTIFIED	

INSPECTION SIGN OFF

Total number of corrective actions identified:	Signature of Responsible Manager	Manager comments
3		TBC

Additional

Photos

Attachments

- October 2022.pdf

Actions

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
36199	Matthew	Wade	02/11/2022	23/11/2022	Confirm street sweeper is sweeping boundary roads	Closed	
36200	Matthew	Wade	18/11/2022	23/11/2022	Push up reconomy sand stockpiles to within concrete bunkers.	Closed	
36201	Gordon	McLisky	09/12/2022	08/12/2022	Remove 8 x empty ibc from site	Closed	Empty IBCs now going to green goanna

DA-ZH-FM116.8 Environmental Inspection Checklist Asphalt Plant

Details

Form id	823185
Created at	28/11/2022 by Gordon McLisky
Completed at	
Last modified	28/11/2022 09:42:50 by Gordon McLisky
Status	In Progress
Respondent	Gordon McLisky
Division	RSV-172 - Road Services
Line of Business	RSV-173 - Pavements
Business Unit	RSV-173.171 - NSW Asphalt
Region	RSV-173.171.155 - Sydney Asp Services
Project / Contract	RSV-170163 - Asphalt Production Rosehill -
Workplace/Location	Devon St, Rosehill

PERSONS INVOLVED OR CONSULTED DURING INSPECTION

Name:	Signature

This inspection checklist must be updated to reflect the actual risks on site. Refer to the site specific Zero Harm Management Plan and risk register.

Waste Management (DA-ZH-ST063)

Waste stored in allocated bins and disposed appropriately?	Yes
Comments	
Are waste disposal/collection records maintained?	Yes
Comments	
Is there any visible litter present around site?	No
Comments	

Soil and Water Management (DA-ZH-ST064)

Are storage tanks including pipes, flanges, fittings etc. free from leaks and in good condition?	Yes
Comments	
Is stormwater directed to a treatment system and all associated drains free of sediment, hydrocarbons or other chemicals	Yes
Comments	
Is the wash bay clean and oil water seperator free of leaks, in good condition?	Not Applicable
Comments	
Has the wash bay oil capture unit has been checked and emptied as required?	Not Applicable
Comments	
Are drip trays and spill kits available in close proximity to transfer points?	Yes

Comments	
Are drain wardens, mesh or a gravel filter (or similar) in place at stormwater inlets to reduce the sediment load entering the stormwater drains	Yes
Comments	

Stockpiles (DA-ZH-ST064)

Are sprinklers in working order? (physically test the system)	Yes
Comments	
Are stockpiles contained in storage bays below the height of the wind break?	Yes
Comments	

Air Quality (DA-ZH-ST070)

Stack emissions are free from black smoke or significant visual emissions?	Yes
Comments	
Is there any notable odour present at site boundary?	No
Comments	
Is there a build-up of dust that may become airborne? (Arrange for sweeping of yard)	No
Comments	
Are visible dust emissions (if any) contained within the boundaries of site?	Yes
Comments	
Are the condensers/activated carbon filters or other contrl on bitumen tank vents working effectively i.e. Activated carbon filter is dry or noticeable difference in odour/blue smoke?	Yes
Comments	

Hazardous substances and dangerous goods (DG-ZH-ST024)

Is the dangerous goods licence/notification displayed on site with correct manifest quantities? Are all DG labels visible and clear?	Yes
Comments	
Are all hazardous liquids stored within appropriately bunded areas? (this includes IBC's and drums)	Yes
Comments	
Are waste drums and IBC's regularly removed from site?	Yes
Comments	
Are all spills immediately contained, absorbed and waste appropriately disposed of?	Yes
Comments	
Do all chemicals on site have a valiad Safety Data Sheet (<5 years old)	Yes

Comments

Are spill kits available, well stocked, signed and easily accessible?	Yes

Comments

Are bunds free from liquid and any other material that may compromise it's storage capacity? (Record date and person responsible when bunds are emptied) *Note: Hazardous liquids must be managed immediately*	Yes

Comments

Person responsible when bunds were emptied

Record date of when bund was emptied

Environmental Noise and Vibration (DG-ZH-ST069)

Is work completed in accordance with state-based approved hours for execution of noise?	Yes

Comments

Is plant and equipment adequately maintained, kept in good operating order and operated in an appropriate and efficient manner? Check all noise and vibration reduction devices are operating effectively?	Yes

Comments

Have all (if any) complaints been recorded in INX?	N/A

Comments

OTHER ISSUES IDENTIFIED

INSPECTION SIGN OFF

Total number of corrective actions identified:	Signature of Responsible Manager	Manager comments

Additional

Photos

Attachments

- *No file attachments*

Actions

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
37013	Daniel	Hogan	02/12/2022	28/11/2022	Organise for green bin at front weighbridge hut to be emptied	Closed	Lab staff emptied bin - checked 28/11
37014	Daniel	Hogan	02/12/2022	05/12/2022	Organise for sample stand & front weighbridge to be cleaned	Closed	
37015	Matthew	Wade	06/12/2022	05/12/2022	Clean up material at the front of reconomy sand	Closed	

					bays		
37016	Daniel	Hogan	09/12/2022	12/12/2022	High pressure wash concrete ramp at back of lab	Closed	Staff have used a gurney and degreaser to try and remove. Then used a chisel to try and remove

Appendix F

GPT CLEANOUT INVOICES

TAX INVOICE

Downer Edi Works Pty Ltd
1A Unwin Street
Rosehill NSW 2142
Australia

Invoice No.:	00037149
Date:	28/04/2023
Due Date:	28/05/2023
Reference:	2023/04-5714

DATE	QTY/ UNITS	NOTES	RATE	TOTAL(ex-GST)	TAX CODE
28/04/2023	12,000	Treatment and Disposal of N205 Waste 39337	0.1812	$2,174.40	GST
2/05/2023	4	Transport of Liquid Waste & Service Fee Emergency Rate	195.00	$780.00	GST

Site Address
Sale; Downer Edi Works Pty Ltd

Subtotal:	$2,954.40
GST:	$295.44
Total(inc-GST):	$3,249.84
Paid to Date:	$0.00
Balance Due:	**$3,249.84**

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Acc# 401 328 023

by mail

Detach this section and mail your cheque to...

Enviro Waste Services Group Pty Ltd
PO Box 4392 , North Rocks NSW 2151

Invoice No: **00037149** Amount Due: **$3,249.84**

ABN 66 613 987 438

Address: PO Box 4392 North Rocks NSW 2151
Ph: 1300 141 315 Email: accounts@envirowaste.com.au
Website: www.envirowaste.com.au

ENVIRO WASTE SERVICES GROUP PTY LTD
Lic# 13039 - EPA Lic# 20444 - ABN 66 613 987 438
PO BOX 4392 NORTH ROCKS NSW 2151
Phone: 1300 141 315
Email: info@envirowaste.com.au
www.envirowaste.com.au

Grease Trap Waste Removal • Liquid Waste Removal • Vacuum Loading • Product Destruction

Service Docket

39337

Company: Downer EDI Works

Contact:

Site Address: 11 Devonst Rosehill

Post Code:

Date: 28/4/23

Phone:

Order No.: 2023/04-5714

Price Per Litre:

Litres: 12000

Emergency: ☐ Yes ☐ No

Type of Waste:

☐ Grease	☐ Sewer	☐ Stormwater	☐ Sullage
☐ J120	☐ Sludge	☐ Product Destruction	
☐ Tank Washout	☐ Jet Blaster	☑ N205	
☐ M250	☐ Mixed Waste	☐ Other (See notes)	

Transport Charge:

Vehicle Rego No: ENV013

Drivers Name: Simon

Customers Name: Matt / Wade

Customers Signature:

Notes: Pumpout K.o basin

TIME:

7:00 am/pm	Depart Depot
8:00 am/pm	Arrive on Site
11:00 am/pm	Depart Site
12:00 am/pm	Arrive at Disposal Point
12:30 am/pm	Depart Disposal Point
1:00 am/pm	Arrive at Depot

enviro
waste services group

TAX INVOICE

Downer Edi Works Pty Ltd
1A Unwin Street
Rosehill NSW 2142
Australia

Invoice No.:	00037437
Date:	18/05/2023
Due Date:	17/06/2023
Reference:	2023/-04-5720

DATE	QTY/ UNITS	NOTES	RATE	TOTAL(ex-GST)	TAX CODE
5/05/2023	6	Transport - Super Sucker	245.00	$1,470.00	GST
5/05/2023	6	Additional Personnel	250.00	$1,500.00	GST
5/05/2023	1	Trash Pump Hire	1100.00	$1,100.00	GST

Site Address
Downer Edi Works Pty Ltd

Subtotal:	$4,070.00
GST:	$407.00
Total(inc-GST):	$4,477.00
Paid to Date:	$0.00
Balance Due:	**$4,477.00**

How to Pay

Powered by MYOB

by credit card

To pay via MasterCard, VISA or Amex
Call: 1300 141 315

Amex Incurs 1.65% Charge

EFT

****NEW BANK DETAILS****

National Australia Bank
Enviro Waste Services Group Pty Ltd
BSB# 082-356
Acc# 401 328 023

by mail

Detach this section and mail your cheque to...

Enviro Waste Services Group Pty Ltd
PO Box 4392 , North Rocks NSW 2151

Invoice No: **00037437** Amount Due: **$4,477.00**

enviro
waste services group
ABN 66 613 987 438

(creditor)watch member

Address: PO Box 4392 North Rocks NSW 2151
Ph: 1300 141 315 Email: accounts@envirowaste.com.au
Website: www.envirowaste.com.au

ENVIRO WASTE SERVICES GROUP PTY LTD
Lic# 13039 - EPA Lic# 20444 - ABN 66 613 987 438
PO BOX 4392 NORTH ROCKS NSW 2151
Phone: 1300 141 315
Email: info@envirowaste.com.au
www.envirowaste.com.au

Grease Trap Waste Removal • Liquid Waste Removal • Vacuum Loading • Product Destruction

Service Docket

41341

Company: Downer EDI Works
Contact:
Site Address: 11 Devon St
Post Code:
Date: 5/5/23
Phone:
Order No.: 2023/04-5720
Price Per Litre:
Litres: michael. 4

Emergency: ☐ Yes ☑ No

Type of Waste:
☐ Grease ☐ Sewer ☐ Stormwater ☐ Sullage
☐ J120 ☐ Sludge ☐ Product Destruction
☐ Tank Washout ☐ Jet Blaster ☐ N205
☐ M250 ☐ Mixed Waste ☑ Other (See notes)

Transport Charge:
Vehicle Rego No: ENV028
Drivers Name: Cameron Kristian
Customers Name:
Customers Signature:
Notes:
Confined Space Vechile.

TIME:
6:00 am/pm Depart Depot
7:00 am/pm Arrive on Site
11:00 am/pm Depart Site
__:__ am/pm Arrive at Disposal Point
__:__ am/pm Depart Disposal Point
12:00 am/pm Arrive at Depot

Appendix G

OBSERVATION/INSPECTION REPORTS

Zero Harm - Inspection

Zero Harm - Inspection Report - Drain Wardens around Reconomy Plant need cleaning as they are full of leaf litter

Details

Sub Classification

[X] 1st Party - Environmental Inspection

Event Date/Time:	01-Dec-2022 13:22	Department:	RSV-170147 - Sydney Detritus
Reported Date/Time:	01-Dec-2022 13:22	Location:	DSRRC
Due Date:		Country:	Australia
Responsible Organisation:			

Reported By

Name: BIGGS Colin - COR.OG.1416296

Reported To

Name: WADE Matthew - IS.OG.1415277 Occupation: Manager

Project Number

Client

Related to HVNL/Vehicle Chain of Responsibility: Not HVNL/CoR Related

Inspection conducted with Business Leaders: No

Did this inspection include attending a pre-start: No

Description

Leaf Litter accumulation within the Stormwater Drains.

Immediate Action Taken

Sandbags placed to eliminate sediment entering the drain

Management Summary

Assigned To: SHERRY Paul - IS.OG.1200491

Zero Harm - Inspection

Zero Harm - Inspection Report - Drain Wardens around Reconomy Plant need cleaning as they are full of leaf litter

Persons Involved

Involvement Type:	Reported By	Days Into Roster:	
Person Involved:	BIGGS Colin - COR.OG.1416296	Shift Commenced:	00:00
Work Status:	Staff	Scheduled Shift End:	00:00
Employer:	Downer EDI Services Pty Ltd	Location:	
Occupation:	Environmental Advisor	Roster Type:	
Occupation Class:	Admin / Office Worker / Professional	Total Time on Project:	
Employment Type:	FullTime	Shift Type:	
Phone Number:			
Comments:			

Involvement Type:	Reported To	Days Into Roster:	
Person Involved:	WADE Matthew - IS.OG.1415277	Shift Commenced:	00:00
Work Status:	Staff	Scheduled Shift End:	00:00
Employer:	Downer EDI Works Pty Ltd	Location:	
Occupation:	Manager	Roster Type:	
Occupation Class:	Managers / Directors	Total Time on Project:	
Employment Type:	FullTime	Shift Type:	
Phone Number:			
Comments:			

Proposed Actions

Action No.	1
Observation:	Drain Wardens around Reconomy Plant need cleaning as they are full of leaf litter
Action:	Drains cleaned and Geofabric installed in grate to prevent leaf litter entering drainage system

Zero Harm - Inspection

Zero Harm - Inspection Report - Drain Wardens around Reconomy Plant need cleaning as they are full of leaf litter

Comments:

Cost:

Action Type: Corrective

Risk:

Responsibility: WADE Matthew - IS.OG.1415277

Due Date: 16-Dec-2022

Completion Date: 16-Dec-2022

Original Due Date: 16-Dec-2022

Event Findings

Category: Opportunity for Improvement
Person: BIGGS Colin - COR.OG.1416296
Found Date: 16-December-2022
Details:

Drain Wardens around Reconomy Plant need cleaning as they are full of leaf litter

Zero Harm - Observation

Zero Harm - Observation Report - Leaf litter build up in Drain Wardens

Details

Sub Classification

[X] Environmental Observation

Event Date/Time:	14-Dec-2022 8:47	Department:	RSV-170147 - Sydney Detritus
Reported Date/Time:	15-Dec-2022 8:47	Location:	Rosehill
Due Date:		Country:	Australia
Responsible Organisation:			

Reported By

Name: BIGGS Colin - COR.OG.1416296

Reported To

Name: MCLISKY Gordon - IS.OG.1404594 Occupation: Supervisor

Project Number

Client

Related to HVNL/Vehicle Chain of Responsibility: Not HVNL/CoR Related

Observation Type

Description

Heavy loads of Leaf Litter are building up within the drain wardens (mainly around the Reconomy Plant).
Have requested that Geofabric be placed between the Drain Warden and the Pit Grates (lids) to help prevent the decomposing leaf litter from impacting on the water quality results and sediment loads at the Bio Basin.

Immediate Action Taken

Raised issue with Gordon Mclisky, and negotiated a resolve.

Management Summary

Assigned To: SHERRY Paul - IS.OG.1200491

Zero Harm - Observation

Zero Harm - Observation Report - Leaf litter build up in Drain Wardens

Persons Involved

Involvement Type:	Reported By	Days Into Roster:	
Person Involved:	BIGGS Colin - COR.OG.1416296	Shift Commenced:	00:00
Work Status:	Staff	Scheduled Shift End:	00:00
Employer:	Downer EDI Services Pty Ltd	Location:	
Occupation:	Environmental Advisor	Roster Type:	
Occupation Class:	Admin / Office Worker / Professional	Total Time on Project:	
Employment Type:	FullTime	Shift Type:	
Phone Number:			
Comments:			

Involvement Type:	Reported To	Days Into Roster:	
Person Involved:	MCLISKY Gordon - IS.OG.1404594	Shift Commenced:	00:00
Work Status:	Staff	Scheduled Shift End:	00:00
Employer:	Downer EDI Works Pty Ltd	Location:	
Occupation:	Supervisor	Roster Type:	
Occupation Class:	Supervisor / Superintendent / Foreman	Total Time on Project:	
Employment Type:	FullTime	Shift Type:	
Phone Number:			
Comments:			

Proposed Actions

Action No.	1
Observation:	Leaf litter build up in Drain Wardens
Action:	Drain Wardens cleaned and Geofabric installed to prevent leaf litter entering drains

Zero Harm - Observation

Zero Harm - Observation Report - Leaf litter build up in Drain Wardens

Comments:

Cost: Action Type: Preventative

Risk:

Responsibility: WADE Matthew - IS.OG.1415277

Due Date: 16-Dec-2022 Completion Date: 16-Dec-2022 Original Due Date: 16-Dec-2022

Event Findings

Category: Opportunity for Improvement
Person: BIGGS Colin - COR.OG.1416296
Found Date: 16-December-2022
Details:

Leaf litter build up in Drain Wardens

Zero Harm - Observation

Zero Harm - Observation Report - Bio Basin Sampling results High in Suspended Solids, Total Nitrogen, Copper, Lead, Nickel, Zinc, and Total Phosphorus

Details

Sub Classification

[X] Environmental Observation

Event Date/Time:	02-Mar-2023 13:26	Department:	RSV-170163 - Asphalt Production Rosehill -
Reported Date/Time:	02-Mar-2023 13:26	Location:	Rosehill Asphalt Plant
Due Date:		Country:	Australia
Responsible Organisation:			

Reported By

Name: BIGGS Colin - COR.OG.1416296

Reported To

Name: SHERRY Paul - IS.OG.1200491 Occupation:

Project Number

Client

Related to HVNL/Vehicle Chain of Responsibility Observation Type: Not HVNL/CoR Related

Description

Water sampling results above discharge criteria for Suspended Solids, Total Nitrogen, Copper, Lead, Nickel, Zinc, and Total Phosphorus

Immediate Action Taken

Management Summary

Assigned To: SHERRY Paul - IS.OG.1200491

Zero Harm - Observation

Zero Harm - Observation Report - Bio Basin Sampling results High in Suspended Solids, Total Nitrogen, Copper, Lead, Nickel, Zinc, and Total Phosphorus

Persons Involved

Involvement Type:	Reported By	Days Into Roster:	
Person Involved:	BIGGS Colin - COR.OG.1416296	Shift Commenced:	
Work Status:	Staff	Scheduled Shift End:	
Employer:	Downer EDI Services Pty Ltd	Location:	
Occupation:		Roster Type:	
Occupation Class:		Total Time on Project:	
Employment Type:		Shift Type:	
Phone Number:			
Comments:			

Involvement Type:	Reported To	Days Into Roster:	
Person Involved:	SHERRY Paul - IS.OG.1200491	Shift Commenced:	
Work Status:	Staff	Scheduled Shift End:	
Employer:	Downer EDI Works Pty Ltd	Location:	
Occupation:		Roster Type:	
Occupation Class:		Total Time on Project:	
Employment Type:		Shift Type:	
Phone Number:	0		
Comments:			

Proposed Actions

Action No.	1
Observation:	Bio Basin Sampling results High in Suspended Solids, Total Nitrogen, Copper, Lead, Nickel, Zinc, and Total Phosphorus

Zero Harm - Observation

Zero Harm - Observation Report - Bio Basin Sampling results High in Suspended Solids, Total Nitrogen, Copper, Lead, Nickel, Zinc, and Total Phosphorus

Action: Inspect and clean all stormwater pits, including blind pits..

Comments: All drains/wardens around Reconomy have been cleaned as of 8/03/23

Cost: 0.00 Action Type: Preventative

Risk:

Responsibility: WADE Matthew - IS.OG.1415277

Due Date: 06-Mar-2023 Completion Date: 08-Mar-2023 Original Due Date: 06-Mar-2023

Action No. 2

Observation: Bio Basin Sampling results High in Suspended Solids, Total Nitrogen, Copper, Lead, Nickel, Zinc, and Total Phosphorus

Action: Inspect and clean all drain warden and pits

Comments: Actioned while I was on annual leave. Will be completed week of 13/03/2023.

Inspection completed 15/03/2023 & works allocated to empty drain wardens

Cost: Action Type: Preventative

Risk:

Responsibility: MCLISKY Gordon - IS.OG.1404594

Due Date: 06-Mar-2023 Completion Date: 15-Mar-2023 Original Due Date: 06-Mar-2023

Documents

Description	Document/URL	Type	Size (bytes)	Published
Water Sampling Report 1	M4222.1 - Downer EDi Works - Rosehill DRDP.pdf	application/pdf	822544	X
Water Sampling Report 2	M4222.2 - Downer EDi Works - Rosehill Bio Basin.pdf	application/pdf	822795	X

Moderator Summary

18/04/23 BW tabs complete

Zero Harm - Inspection

Zero Harm - Inspection Report - Stormwater drains require Cleaning and additional Geofabric placed under drain grate.

Details

Sub Classification

[X] 1st Party - Environmental Inspection

Event Date/Time:	20-Dec-2022 8:02	Department:	RSV-170147 - Sydney Detritus
Reported Date/Time:	20-Dec-2022 8:02	Location:	DSRRC
Due Date:		Country:	Australia
Responsible Organisation:			

Reported By

Name: BIGGS Colin - COR.OG.1416296

Reported To

Name: WADE Matthew - IS.OG.1415277 Occupation: Manager

Project Number

Client

Related to HVNL/Vehicle Chain of Responsibility: Not HVNL/CoR Related

Inspection conducted with Business Leaders: No

Did this inspection include attending a pre-start: No

Description

Excessive buildup of leaf litter and leachate are loading up the Drain Wardens with suspended sediments that are making their way to the Sediment Basin.
This extra load is resulting in high levels of suspended solids and total nitrogen exceedances.

Immediate Action Taken

Management Summary

Assigned To: WADE Matthew - IS.OG.1415277 (Comment by: WADE Matthew - IS.OG.1415277)

Drains have had mesh installed

Zero Harm - Inspection

Zero Harm - Inspection Report - Stormwater drains require Cleaning and additional Geofabric placed under drain grate.

Persons Involved

Involvement Type:	Reported By	Days Into Roster:	
Person Involved:	BIGGS Colin - COR.OG.1416296	Shift Commenced:	00:00
Work Status:	Staff	Scheduled Shift End:	00:00
Employer:	Downer EDI Services Pty Ltd	Location:	
Occupation:	Environmental Advisor	Roster Type:	
Occupation Class:	Admin / Office Worker / Professional	Total Time on Project:	
Employment Type:	FullTime	Shift Type:	
Phone Number:			
Comments:			

Involvement Type:	Reported To	Days Into Roster:	
Person Involved:	WADE Matthew - IS.OG.1415277	Shift Commenced:	00:00
Work Status:	Staff	Scheduled Shift End:	00:00
Employer:	Downer EDI Works Pty Ltd	Location:	
Occupation:	Manager	Roster Type:	
Occupation Class:	Managers / Directors	Total Time on Project:	
Employment Type:	FullTime	Shift Type:	
Phone Number:			
Comments:			

Proposed Actions

Action No.	1
Observation:	Stormwater drains require Cleaning and additional Geofabric placed under drain grate.
Action:	Geofabric installed over above drain wardens to prevent leaf litter build up

Zero Harm - Inspection

Zero Harm - Inspection Report - Stormwater drains require Cleaning and additional Geofabric placed under drain grate.

Comments:

Cost:

Action Type: Corrective

Risk:

Responsibility: WADE Matthew - IS.OG.1415277

Due Date: 13-Jan-2023 Completion Date: 13-Jan-2023 Original Due Date: 13-Jan-2023

Event Findings

Category: Observation
Person: BIGGS Colin - COR.OG.1416296
Found Date: 13-January-2023
Details:

Leaf Liter build up drain pit lids

DG-ZH-FM116.2 Environmental Inspection Checklist

Details

Form id	861953
Created at	20/02/2023 by Matthew Wade
Completed at	20/02/2023
Last modified	20/02/2023 10:54:21 by Matthew Wade
Status	Complete
Respondent	Matthew Wade
Division	RSV-172 - Road Services
Line of Business	RSV-172 - Reconomy
Business Unit	RSV-172.172.182 - Reconomy
Region	RSV-172.172.182.381 - Reconomy
Project / Contract	RSV-170720 - Reconomy Management Ov
Workplace / Location:	Reconomy
Date of inspection	20/02/2023
Time of inspection	10:45 AM

Persons involved or consulted during inspection:

Name:	**Signature:**

INSPECTION CHECKLIST

Update to be site specific. Refer to site specific risk registers, EMP or ZHMP.

Scope of inspection to include contractors and subcontractors

Is this inspection for a ISCA Rating?	No

Select all that apply to your Workplace/Location:	☑ Zero Harm Risk Management ☑ Waste Management ☑ Water Discharge Management ☑ Sustainability Management

Zero Harm Risk Management (refer to divisional Zero Harm risk management procedures)

Risk assessments (Risk Register, SWMS/Be A Star) on site include relevant environmental hazards and controls.	Compliant

Waste Management (DG-ZH-ST063 Waste Management Standard)

All sites (including car parks and compounds) are clean and litter free	Not Compliant
Immediate Actions Taken/General Comments	Clean leaf up
Waste streams segregated where possible with no evidence of cross contamination.	Compliant
All bins required are supplied, labelled and covered. Easily accessible and collected regularly by a licenced waste contractor.	Compliant
All concrete washout/ waste disposed appropriately.	Compliant

DG-ZH-FM116.2 Environmental Inspection Checklist

Water Discharge Management (DG-ZH-ST064 Water Discharge Management Standard)

All site access points are stabilised and adjoining public roads are free of mud and dirt.	Not Compliant
Immediate Actions Taken/General Comments	some tracked mud leaving Reconomy
All erosion and sediment controls are correctly installed and maintained.	Compliant
No evidence of soil erosion or sediment deposition.	Compliant
Stockpiles <2 metres high, with a 2:1 or greater batter, and away from natural drainage lines.	Compliant
Temporary toilets and associated warning devices in working order.	Compliant
Water taps, hoses and pipes in working order and no evidence of leaks.	Compliant
Oil water separators in working order and emptied regularly.	Not Applicable

Sustainability Management

Disruptions to the public are minimised where possible – (e.g. Are works being undertaken at times/ conditions which reduce impacts to public?)	Compliant
Stakeholders (including the community) have been made aware of any upcoming planned works that may impact them. If so how?	Not Applicable
If complaints have been received, have these been recorded in INX, investigated and addressed in an appropriate timeframe?	Compliant
Have any new local employment positions, including subcontractors, been filled during the month by local residents? If so who?	Not Applicable
Have goods and services been procured from local suppliers / subcontractors?	Compliant
Have any social or cost-saving opportunities been identified? (ask stakeholders if there are any improvement suggestions?)	Compliant
Immediate Actions Taken/General Comments	

DG-ZH-FM116.2 Environmental Inspection Checklist

Other Issues Identified

INSPECTION SIGN OFF

Total Number of Corrective Actions Identified:

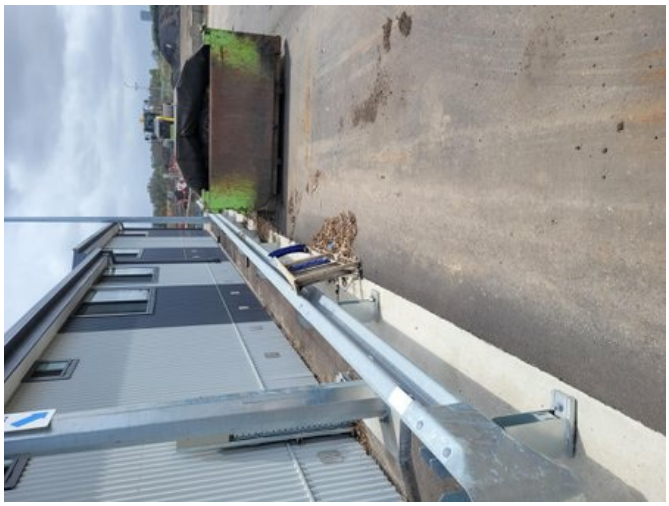
Responsible Manager

Name:	**Signature:**
Matthew Wade	

Additional

Photos

leaf to be picked up weekly



leaf to be picked up weekly

ensure no dirt leaves the bund

ensure no water leaves the bunded area, keep clean

clean area

DG-ZH-FM116.2 Environmental Inspection Checklist

Attachments

- *No file attachments*

Actions

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
39070	Nakita	Powell	22/02/2023	09/03/2023	Pick up leaves around office and car park	Closed	troy cleaned with blower then sweeper cleaned it
39071	Nakita	Powell	22/02/2023	22/02/2023	clean bunded from dirt	Closed	
39072	Nakita	Powell	22/02/2023	22/02/2023	clean bund	Closed	
39073	Nakita	Powell	22/02/2023	22/02/2023	clean inside under clarifier from trip hazard	Closed	

DG-ZH-FM116.2 Environmental Inspection Checklist

Details

Form id	917638
Created at	05/06/2023 by Matthew Wade
Completed at	05/06/2023
Last modified	05/06/2023 14:18:21 by Matthew Wade
Status	Complete
Respondent	Matthew Wade
Division	RSV-172 - Road Services
Line of Business	RSV-172 - Reconomy
Business Unit	RSV-172.172.182 - Reconomy
Region	RSV-172.172.182.381 - Reconomy
Project / Contract	RSV-170720 - Reconomy Management Ov
Workplace / Location:	`Reconomy
Date of inspection	05/06/2023
Time of inspection	01:04 PM

Persons involved or consulted during inspection:

Name:	Signature:

INSPECTION CHECKLIST

Scope of inspection to include contractors and subcontractors

Is this inspection for a ISCA Rating?	No
Select all that apply to your Workplace/Location:	☑ Water Discharge Management

Critical Risk - Release of Contaminants to Water

Water Discharge Management (DG-ZH-ST064 Water Discharge Management Standard)

All site access points are stabilised and adjoining public roads are free of mud and dirt.	Compliant

Immediate Actions Taken/General Comments

ID	Actionee	Due date	Description	Status

All erosion and sediment controls are correctly installed, maintained and appropriate for site risks.	Not Applicable
No evidence of soil erosion or sediment deposition.	Not Applicable
Where possible, the heights of stockpiles have been limited to less than 2.5m and batter the sides to 2 (horizontal):1 (vertical) or flatter.	Compliant

Immediate Actions Taken/General Comments

ID	Actionee	Due date	Description	Status

Temporary toilets and associated warning devices in working order.	Not Applicable
Water taps, hoses and pipes in working order and no evidence of leaks.	Compliant

Immediate Actions Taken/General Comments

ID	Actionee	Due date	Description	Status

Oil water separators in working order and emptied regularly.	Not Applicable
Containment dams (if required) are maintained and structurally fit for purpose.	Not Applicable
Drains (e.g., stormwater) free and clean from mud, rubbish, debris etc.	Not Compliant
Immediate Actions Taken/General Comments	Drain opposite wedge pit needs cleaning, as does the drain pit next to the out going organic bay

ID	Actionee	Due date	Description	Status
42268	Nakita Powell	16/06/2023	Clean both drains (Opposite wedge pit Reconbomy and the one next to organic bay)	Closed
42269	Matthew Wade	20/06/2023	Matt to purchase drain filter.	Closed

Other Issues Identified

DG-ZH-FM116.2 Environmental Inspection Checklist

INSPECTION SIGN OFF

Total Number of Corrective Actions Identified: 2

Responsible Manager

Name:	Signature:
Matthew Wade	

Additional

Photos

Attachments

- *No file attachments*

Actions

ID	First name	Last name	Due date	Date closed	Action description	Status	Last Comment
42268	Nakita	Powell	16/06/2023	28/06/2023	Clean both drains (Opposite wedge pit Reconbomy and the one next to organic bay)	Closed	
42269	Matthew	Wade	20/06/2023	07/06/2023	Matt to purchase drain filter.	Closed	

Appendix H

LANDSCAPING INVOICES

EMERALD PROPERTY SERVICES PTY LTD
ACN 076 832 669 ABN 48 796 046 722
Unit 4/1A Gibbon Road
BAULKHAM HILLS NSW 2153
Phone: 02 9624 8144
E: emerald@emeraldps.com.au

16th May 2022

Quotation no: 29030:14069

Mr Dean Marshall
Project Manager
Transport and infrastructure
Downer Group
Email: Dean.Marshall@downergroup.com

Re: Landscape maintenance proposal for new sustainable road base facility at Devon Street, Rosehill

Dear Dean,

Thank you for your enquiry and our subsequent site meeting. Please find enclosed our proposal. Downer currently enjoys our reliable, insured services at the Grand Avenue and Unwin Street facilities.

Scope of works Complete Landscape Care Program
Our fully equipped team will vist the site 2 weekly in summer (Oct – May) and 3 weekly in winter (June – Sept) to:

- Neatly mow and edge roadside nature strip and internal roadside turf areas.
- Blow down roads next to mow and edge activities.
- Progressively inspect/maintain the Eastern boundary drainage swale garden, the Western boundary landscape strip and gardens. Also southern boundary gardens and the bioretention basin. Activities in these areas include under pruning trees for uniform presentation, removing failed plants, remove blown rubbish and weed treatments/removal. Our pruning will result in better form and flowering of shrubs.
- Progressively treat gardens for weed control as required by hand weeding and chemical control. Note: mulch thickness has a big impact on weed control. For recently installed landscape mulch cover is currently quite thin.
- Treat insect attack on any garden plants.
- Remove any pruning from site and leave areas of work tidy.
- Report any concerns with landscape or safety issues. We will leave a detailed service slip at your office each visit.

Also included are 2 visits per year by our qualified green keeper to treat weeds, pests etc. in all lawn area then spread slow-release fertilizer.

Our activities will keep your new facility well-presented year-round.

Cost per month *(including all materials, labour & equipment)*..... **$1,270**
GST **$127**
Total Cost per month *(including all materials, labour, equipment & GST)*..... **$1,397**

We are available to transfer our landscape care program from Unwin Street to Devon at any time that suits. Many thanks.

Kind regards

Mike Powell *Ass. Dip L/Scape*
Service Manager

LMON

EMERALD PROPERTY SERVICES PTY LTD
ABN 48 796 046 722
UNIT 4/1A GIBBON ROAD
BAULKHAM HILLS NSW 2153
PH02 9624-8144 FAX 02 9624-8644

TAX INVOICE

NO. 308352

29030-29030.0
P.O. # 22298410

REMARKS / RECOMMENDATIONS

MONTHLY TAX INVOICE FOR "APRIL 2023" PROVISION OF LANDSCAPE MAINTENANCE SERVICE.
PLEASE PHONE IF YOU HAVE ANY QUESTIONS,OR TO ARRANGE OTHER SERVICES
** MONTHLY TERMS ARE "PAYMENT 14 DAYS FROM INVOICE DATE" **
**DIRECT DEPOSIT DETAILS IF DESIRED: BSB 062-036 ACCOUNT NO: 28009123
* PLEASE INCLUDE INV NO ON REMITTANCE ADVICE & EMAIL TO:
EMERALD@EMERALDPS.COM.AU
COMPLETED BY: _____ DATE: _____

EMERALD PROPERTY SERVICES Pty. Ltd. A. C. N. 076 832 669 A. B. N. 48 796 046 722

❑ DELAY WATERING/MOWING FOR HRS ❑ SHARPEN MOWER
❑ RAISE MOWER ❑ MOW MORE FREQUENTLY ❑ WATER LAWN MORE OFTEN

CHARGE 1270.00 GST 127.00 TOTAL 1397.00

ROY STIFF
DOWNER EDI WORKS
9 DEVON STREET
ROSEHILL, NSW 2142

TERMS: NET 14 DAYS
LOCATION 9 DEVON STREET

EMERALD

❑ PLEASE CHARGE MY CREDIT CARD:

1

❑ MASTERCARD ❑ VISA

SIGNATURE _____ EXP. DATE ____ / ____

CHARGE 1270.00
GST 127.00
PLEASE REMIT 1397.00
ACCOUNT No. 29030.0

CUSTOMER NAME DOWNER EDI WORKS

SEND PAYMENT TO:
EMERALD PROPERTY SERVICES PTY LTD
ABN 48 796 046 722
UNIT 4/1A GIBBON ROAD
BAULKHAM HILLS NSW 2153

EMERALD

AMOUNT PAID

CHEQUE No.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

LMON

EMERALD PROPERTY SERVICES PTY LTD
ABN 48 796 046 722
UNIT 4/1A GIBBON ROAD
BAULKHAM HILLS NSW 2153
PH02 9624-8144 FAX 02 9624-8644

TAX
INVOICE
NO. 308890

29030-29030.0
P.O. # 22298410

REMARKS / RECOMMENDATIONS

MONTHLY TAX INVOICE FOR "MAY 2023" PROVISION OF LANDSCAPE MAINTENANCE SERVICE.
PLEASE PHONE IF YOU HAVE ANY QUESTIONS,OR TO ARRANGE OTHER SERVICES
** MONTHLY TERMS ARE "PAYMENT 14 DAYS FROM INVOICE DATE" **
**DIRECT DEPOSIT DETAILS IF DESIRED: BSB 062-036 ACCOUNT NO: 28009123
* PLEASE INCLUDE INV NO ON REMITTANCE ADVICE & EMAIL TO:
EMERALD@EMERALDPS.COM.AU

COMPLETED BY: Judy Gunns DATE: 01/05/23

EMERALD PROPERTY SERVICES Pty. Ltd. A. C. N. 076 832 669 A. B. N. 48 796 046 722

❑ DELAY WATERING/MOWING FOR HRS ❑ SHARPEN MOWER
❑ RAISE MOWER ❑ MOW MORE FREQUENTLY ❑ WATER LAWN MORE OFTEN

CHARGE 1495.00 GST 149.50 TOTAL 1644.50

ROY STIFF
DOWNER EDI WORKS
9 DEVON STREET
ROSEHILL, NSW 2142

TERMS: ~~NET~~ 14 DAYS
LOCATION 9 DEVON STREET

EMERALD

308890
1

❑ PLEASE CHARGE MY CREDIT CARD:

❑ MASTERCARD ❑ VISA

SIGNATURE _____ EXP. DATE ____ / ____

CHARGE 1495.00
GST 149.50
PLEASE REMIT 1644.50

ACCOUNT No. 29030.0

CUSTOMER NAME DOWNER EDI WORKS

SEND PAYMENT TO:
EMERALD PROPERTY SERVICES PTY LTD
ABN 48 796 046 722
UNIT 4/1A GIBBON ROAD
BAULKHAM HILLS NSW 2153

EMERALD

AMOUNT PAID

CHEQUE No.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

LMON

EMERALD PROPERTY SERVICES PTY LTD
ABN 48 796 046 722
UNIT 4/1A GIBBON ROAD
BAULKHAM HILLS NSW 2153
PH02 9624-8144 FAX 02 9624-8644

TAX INVOICE

NO. 309093

29030-29030.0

P.O. # 22298410

REMARKS / RECOMMENDATIONS

MONTHLY TAX INVOICE FOR "JUNE 2023" PROVISION OF LANDSCAPE MAINTENANCE SERVICE.
PLEASE PHONE IF YOU HAVE ANY QUESTIONS,OR TO ARRANGE OTHER SERVICES
** MONTHLY TERMS ARE "PAYMENT 14 DAYS FROM INVOICE DATE" **
**DIRECT DEPOSIT DETAILS IF DESIRED: BSB 062-036 ACCOUNT NO: 28009123
* PLEASE INCLUDE INV NO ON REMITTANCE ADVICE & EMAIL TO:
EMERALD@EMERALDPS.COM.AU

COMPLETED BY: Judy Cumins DATE: 01/06/23

EMERALD PROPERTY SERVICES Pty. Ltd. A. C. N. 076 832 669 A. B. N. 48 796 046 722

❑ DELAY WATERING/MOWING FOR HRS ❑ SHARPEN MOWER
❑ RAISE MOWER ❑ MOW MORE FREQUENTLY ❑ WATER LAWN MORE OFTEN

CHARGE 1495.00 GST 149.50 TOTAL 1644.50

ROY STIFF
DOWNER EDI WORKS
9 DEVON STREET
ROSEHILL, NSW 2142

TERMS: NET 14 DAYS
LOCATION 9 DEVON STREET

EMERALD

309093

1

❑ PLEASE CHARGE MY CREDIT CARD:

❑ MASTERCARD ❑ VISA

SIGNATURE _____ EXP. DATE ____ / ____

CHARGE 1495.00
GST 149.50
PLEASE REMIT 1644.50

CUSTOMER NAME DOWNER EDI WORKS

ACCOUNT No. 29030.0

SEND PAYMENT TO:
EMERALD PROPERTY SERVICES PTY LTD
ABN 48 796 046 722
UNIT 4/1A GIBBON ROAD
BAULKHAM HILLS NSW 2153

EMERALD

AMOUNT PAID

CHEQUE No.

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

EMERALD PROPERTY SERVICES PTY LTD
ACN 076 832 669 ABN 48 796 046 722
Unit 4/1A Gibbon Road
BAULKHAM HILLS NSW 2153
Phone: 02 9624 8144
E: emerald@emeraldps.com.au

16th May 2022

Quotation no: 29030:14069

Mr Dean Marshall
Project Manager
Transport and infrastructure
Downer Group
Email: Dean.Marshall@downergroup.com

Re: Landscape maintenance proposal for new sustainable road base facility at Devon Street, Rosehill

Dear Dean,

Thank you for your enquiry and our subsequent site meeting. Please find enclosed our proposal. Downer currently enjoys our reliable, insured services at the Grand Avenue and Unwin Street facilities.

Scope of works Complete Landscape Care Program
Our fully equipped team will vist the site 2 weekly in summer (Oct – May) and 3 weekly in winter (June – Sept) to:

- Neatly mow and edge roadside nature strip and internal roadside turf areas.
- Blow down roads next to mow and edge activities.
- Progressively inspect/maintain the Eastern boundary drainage swale garden, the Western boundary landscape strip and gardens. Also southern boundary gardens and the bioretention basin. Activities in these areas include under pruning trees for uniform presentation, removing failed plants, remove blown rubbish and weed treatments/removal. Our pruning will result in better form and flowering of shrubs.
- Progressively treat gardens for weed control as required by hand weeding and chemical control. Note: mulch thickness has a big impact on weed control. For recently installed landscape mulch cover is currently quite thin.
- Treat insect attack on any garden plants.
- Remove any pruning from site and leave areas of work tidy.
- Report any concerns with landscape or safety issues. We will leave a detailed service slip at your office each visit.

Also included are 2 visits per year by our qualified green keeper to treat weeds, pests etc. in all lawn area then spread slow-release fertilizer.

Our activities will keep your new facility well-presented year-round.

Cost per month *(including all materials, labour & equipment)*.....**$1,270**
GST.....**$127**
Total Cost per month *(including all materials, labour, equipment & GST)*.....**$1,397**

We are available to transfer our landscape care program from Unwin Street to Devon at any time that suits. Many thanks.

Kind regards

Mike Powell *Ass. Dip L/Scape*
Service Manager

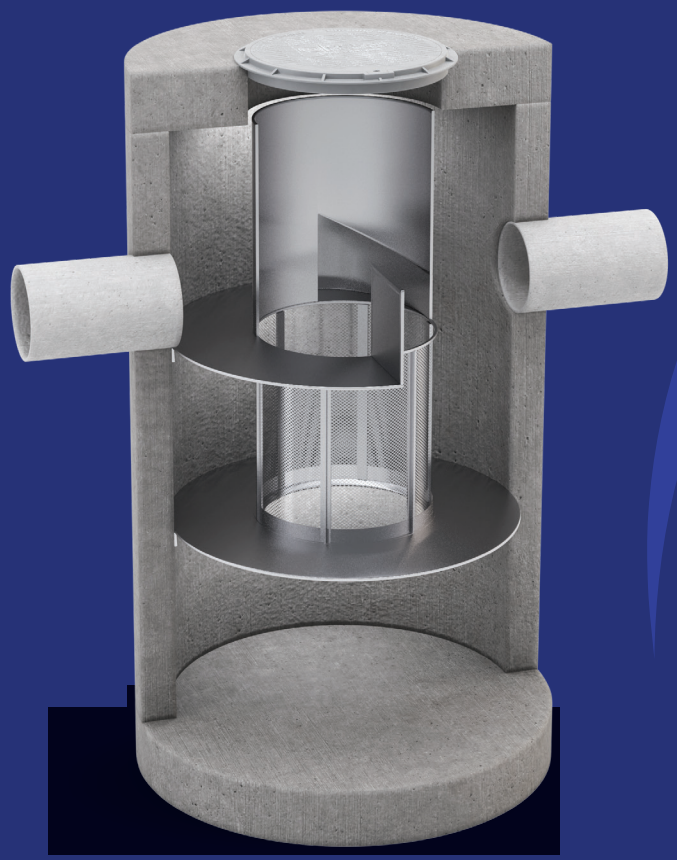
Appendix I

OCEANPROTECT TECHINCAL MANUAL

OCEAN PROTECT

OceanSave®

Technical Design Guide



Stopping Pollution Entering Waterways

09/22

www.oceanprotect.com.au

Introduction	3
Operational Overview	4
Features & Benefits	5
Configurations	6
Performance and Select Approvals	8
Maintenance	8
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Introduction

The OceanSave® is a vortex type engineered stormwater management device designed to remove litter, gross pollutants, sediment and associated pollutants from stormwater runoff. It removes all particles 5 mm and greater from stormwater flows, including neutrally buoyant material. It also removes some suspended solids and free-floating oil and grease via the internal baffle.

The internal treatment components are made of marine grade aluminium and a specially manufactured perforated 316 stainless screen with an integrated stiffening cage to provide longevity under the toughest conditions. These components are housed in a round, concrete manhole. Due to its lightweight and compact design, OceanSave® is well suited for tight sites and can be used as a standalone treatment system or as a pre-treatment device in conjunction with other stormwater tertiary treatment technologies.

Operational Overview

OceanSave® employs a unique screen design that maximizes hydraulic capacity and pollutant removal whilst simultaneously cleaning the screen surface. During operation, a tangential inlet causes stormwater to swirl in the circular treatment chamber. Buoyant materials migrate to the centre of the treatment chamber and rise above the screen while non-floating pollutants are trapped in the storage sump below.

During a storm, pipe flow enters the inlet structure where it is directed tangentially to the circular screen. The system builds driving head and forces water down into the screening area. This creates a vortex action with high tangential velocities across the face of the screen relative to the normal velocities through the screen. This indirect screening feature simultaneously cleans the screen surface whilst removing debris from stormwater. Floatable material is captured in the screening zone. There is also a baffle wall outside the screening zone that allows for the storage of hydrocarbons. Sediment and settable material fall into the sump below the screening area with treated stormwater exiting through the screen to the outlet pipe.

At higher flow rates, a portion of the runoff spills over the weirs located on either side of the inlet structure without affecting the treatable flow rate of the OceanSave®. At the end of the storm, water drains down to the pipe inverts further promoting the settling of fine suspended debris into the storage sump.

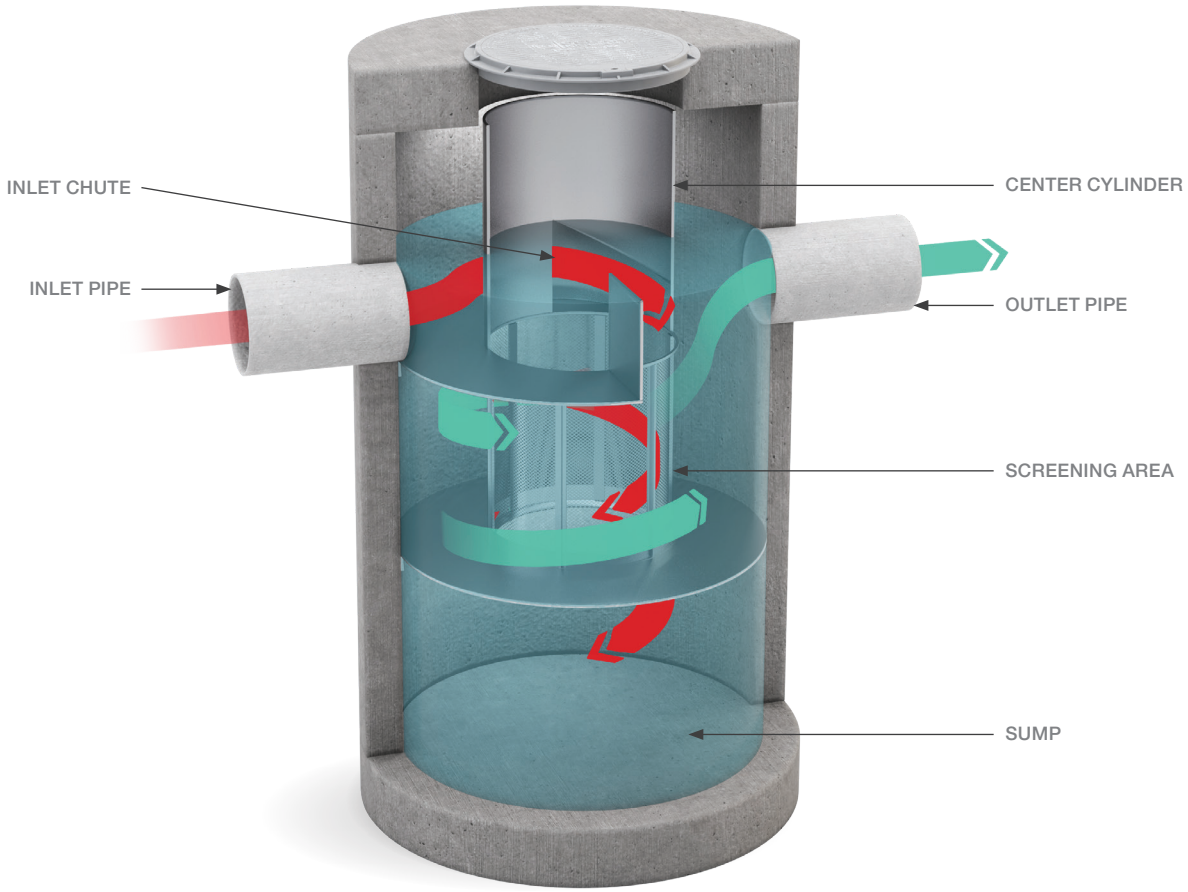

Figure 1: OceanSave® components

Features & Benefits

Each OceanSave® system consists of the following components:

- Inlet chamber featuring separation cylinder, inlet flume and bypass weirs
- Treatment chamber featuring stainless screen and baffle wall
- Storage sump

The design of the inlet chamber allows one or more inlet pipes to enter at any location around an 180° arc. The outlet orientation can varied to suit your particular site conditions – hence acting as a junction pit.

Figure 2: OceanSave® screen

Due to the inlet chamber design, the vortex rotational flow is always initiated regardless of inlet pipe orientation.

The treatment chamber features a specially manufactured expanded metal 316 stainless screen with an integrated stiffening cage for longevity. Due to the treatment chamber configuration, the system can easily be inspected for any fine silt build up behind the screen and can easily be removed via a suction hose without dismantling any internal components.

The benefits of the OceanSave® gross pollutant trap (GPT) are:

- Compact manhole design typically utilising a maximum of 3 pre-cast concrete pieces
- Single orientation each model size – no need for offsetting the inlet pipe from the trunk line
- On-line or offline units available for each model
- Minimal on-site assembly of internal components

Pre-cast Manhole OceanSave® is pre-configured (pipe size, location, unit height etc) prior to arrival upon site for ease of installation. These systems have a maximum of three pre-cast concrete pieces with minimal internal fit-out required on-site at time of installation. The internal fit-out on-site simply requires affixing the integrated screen cage to the inlet chamber and sump.

.

Configurations

The standard configuration for the OceanSave® is a Pre-cast Manhole. This accommodates a wide variety of sizes and is suited to most applications. Where the site pipe flow is larger than what the inline OceanSave® manholes can accommodate, diversion chambers can be utilised to convey these larger flows. A wide range of precast and custom designed diversion structures can be used.

The offline range is denoted with '-D' (e.g. OceanSave® OS-11612-D) indicating an offline diversion box is required. See figures below for further detail.

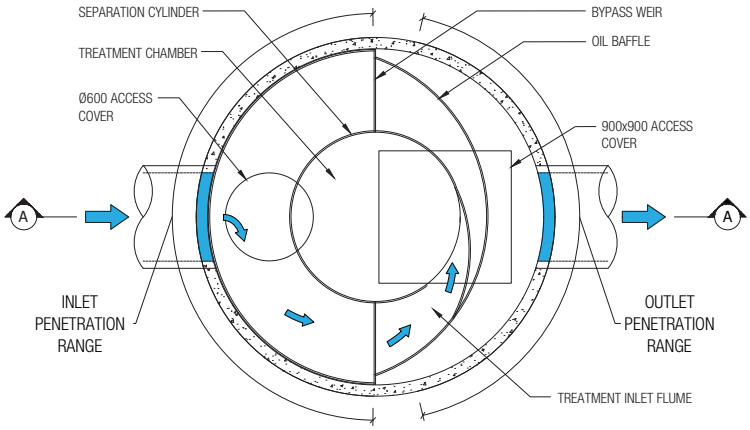

Figure 3: OceanSave® Manhole (OS-1112)

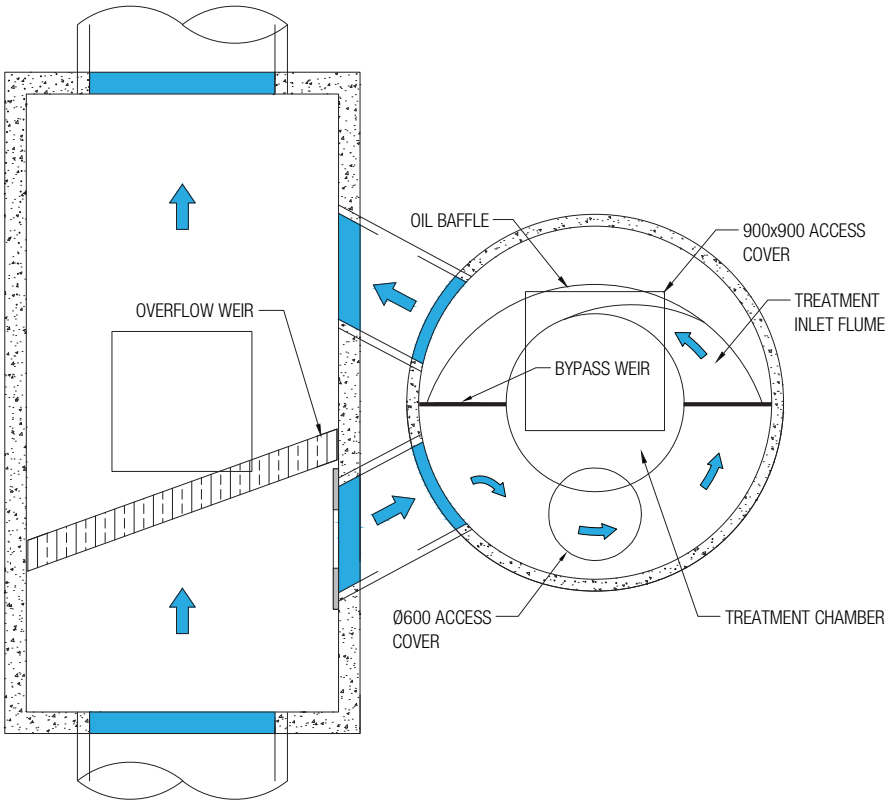

Figure 4: OceanSave-D Offline (typical)

Online

Model	Diameter (ID)	Typical depth below invert	Maximum Flow	Recommended single pipe size*	Water quality flow rate	Sump storage capacity	Oil storage capacity
	m	m	L/s	mm dia	L/s	m^3	L
OS-0606	1.2	1.3	228	375/450	28	0.8	150
OS-0809	1.5	1.6	368	450/525	68	0.8	250
OS-1112	2.25	2.0	765	600/750	155	2.5	600
OS-1612	2.25	2.8	890	600/750	250	4.4	650
OS-1618	3.25	3.4	1200	750/900	350	11.9	2000
OS-2318	3.25	3.4	1580	750/900	580	11.9	2000
OS-2324	3.25	4.0	1680	900/1050	870	9.5	2000

*The pipe size can be physically larger than the recommended pipe size if required

Offline

Model	Footprint	Typical depth below invert	Maximum Flow	Recommended single pipe size**	Water quality flow rate	Sump storage capacity	Oil storage capacity
	m	m	L/s	mm dia	L/s	m^3	L
OS-0606-D	1.37	1.3	1048	525	28	0.8	150
OS-0809-D	3.3 x 1.7	1.6	1338	750	68	0.8	250
OS-1112-D	5.2 x 4.3	2.0	2335	900	155	2.5	600
OS-1612-D	5.2 x 4.3	2.8	3800	1200	250	4.4	650
OS-1618-D	5.2 x 4.3	3.4	3800	1200	350	4.4	650
OS-2318-D	6.1 x 4.3	3.4	3800	1200	580	11.9	2000
OS-2324-D	6.1 x 4.3	4.0	3800	1200	870	9.5	2000
TWIN OS-2324-D	9.2 x 3.6	4.0	4600	1200	1680	19.0	4000

**The recommended pipe size is maximum pipe for the precast diversion box. Custom diversion structures can be used for larger pipe sizes.

Table 1: OceanSave® available models

Performance and Select Approvals

Field testing both locally in Australia and overseas has been undertaken for indirect screening devices like the OceanSave®. Further research is being undertaken in Australia. The design and performance certification statement is available upon request from Ocean Protect.

Indirect screening devices like the OceanSave® have been the subject of subject of significant independent research and field performance testing. Further information on these studies is available in *A review of the application of OceanSave® in Australia.*

The OceanSave® style of gross pollutant traps have also been accepted by some of the most stringent stormwater quality regulators in North America and Australia, including Blacktown City Council.

Please contact your Ocean Protect representative to obtain the OceanSave® approval status in your area.

Maintenance

Every treatment device will eventually need routine maintenance. The question is how often and how much it will cost. Proper evaluation of long-term maintenance costs should be a consideration when selecting a manufactured treatment device.

The OceanSave® provides unobstructed access to stored pollutants, making it easy to maintain. Maintenance is a simple process using a vacuum truck, with no requirement to enter the unit. Fine silt build-up behind the screens of these devices can occur periodically. The OceanSave® has been configured in such a way to allow removal of this debris without dismantling the screen or internal components.

Maintenance support

Ocean Protect provides flexible options and contract terms. A detailed maintenance guide and mass load calculation spreadsheet is available upon request.

For further information please refer to the *OceanSave® Operations and Maintenance Manual.*

Design Basics

The OceanSave® style of gross pollutant traps has been successfully installed in a variety of applications to meet regulatory requirements set by authorities and has been available in Australia for almost 20 years.

The design requirements of any OceanSave® is detailed in 3 typical steps:

1. Hydraulic Design & Configuration
2. Water Quality Design
3. Mass Load Design

1 Hydraulic Design & Configuration

All OceanSave® GPTs must be designed to ensure that the hydraulic requirements of the system are met without adversely impacting the upstream hydraulics and eliminate any likelihood of localised flooding. *Table 1* details the hydraulic loss for model at the maximum flow rate. The designer must ensure the corresponding head loss can be catered for the proposed development site.

For an OceanSave®, the inlet and outlet pipes are located at the same invert level at the top of the inlet chamber deck.

2 Water Quality Design

Ocean Protect recommends and uses the widely endorsed Model for Urban Stormwater Improvement Conceptualisation (MUSIC), which makes it easy for correctly sizing an appropriate OceanSave® system for your site.

A complimentary design service which includes MUSIC modelling is provided by the Ocean Protect qualified engineering team. Simply email your project details to **design@oceanprotect.com.au** or alternatively you can always call one of our engineers for a discussion or to arrange a meeting in your office.

The team will provide you with a cost-effective design containing the quantity and type of components required to meet your water quality objectives together with budget estimates, product drawings and the MUSIC (*.sqz) file.

When designing your own OceanSave® GPT for water quality purposes in MUSIC a single Generic Treatment Node is required.

All details such as drawings, specifications and maintenance manuals can also be downloaded from **www.oceanprotect.com.au** for integration into your project's documentation. Additionally, the Ocean Protect team is available to review your model and provide additional assistance and guidance on the configuration of the OceanSave® system(s) for your site.

3 Mass Load Design

A typical solids and gross pollutant annual load can be obtained by completing a Water Quality Design undertaken most often in MUSIC. The selection of an appropriate OceanSave® model should be undertaken such that the sump capacity falls within the maintenance frequency of 4 to 12 months.

Ocean Protect supplies and maintains a complete range of filtration, hydrodynamic separation, screening and oil/water separation technologies.

Call 1300 354 722

www.oceanprotect.com.au

Appendix J

DSRRC STORMWATER PIT INSPECTIONS SPREADSHEET

DSRRC Stormwater Pit Inspections

Inspections are to be completed dueing monthly environmental inspection and any actions entered into this spreadsheet.
Refer to "Map" tab for pit locations

		Oct-22	Nov-22	Mar-23	Jul-23	Oct-23	Jan-24
A5	Condition	OK	OK	OK		OK	
	Action	n/a	n/a	n/a		n/a	
	Date completed	n/a	n/a	n/a		n/a	
A7	Condition	OK	OK	OK		Clean leaf litter	
	Action	n/a	n/a	n/a		Production to clean	
	Date completed	n/a	n/a	n/a		23/10/2023	
A6	Condition	OK	OK	Build up in filter bag Clean drain		Clean leaf litter	
	Action	n/a	n/a	warden		Production to clean	
	Date completed	n/a	n/a	15.3.23		23/10/2023	
A6-1	Condition	OK	OK	OK		OK	
	Action	n/a	n/a	n/a		n/a	
	Date completed	n/a	n/a	n/a		n/a	
A3	Condition	OK	OK	OK		Clean leaf litter	
	Action	n/a	n/a	n/a		Production to clean	
	Date completed	n/a	n/a	n/a		23/10/2023	
A4	Condition	OK	OK	OK		Clean leaf litter	
	Action	n/a	n/a	n/a		Production to clean	
	Date completed	n/a	n/a	n/a		23/10/2023	
A2	Condition	OK	OK	OK		Clean leaf litter	
	Action	n/a	n/a	n/a		Production to clean	
	Date completed	n/a	n/a	n/a		23/10/2023	

A2-1	Condition	OK	OK	OK		Clean leaf litter
	Action	n/a	n/a	n/a		Production to clean
	Date completed	n/a	n/a	n/a		23/10/2023
A1	Condition	OK	OK	OK		Clean leaf litter
	Action	n/a	n/a	n/a		Production to clean
	Date completed	n/a	n/a	n/a		23/10/2023
C1	Condition	OK	OK	OK	Build up in filter bag Clean drain	Clean leaf litter
	Action	n/a	n/a	n/a	warden	Production to clean
	Date completed	n/a	n/a	n/a	19.7.23	23/10/2023
C2	Condition	OK	OK	OK	Build up in filter bag Clean drain	Pump out
	Action	n/a	n/a	n/a	warden	MM civil to pump out
	Date completed	n/a	n/a	n/a	19.7.23	20/11/2023
C2-1	Condition	OK	OK	OK		
	Action	n/a	n/a	n/a		
	Date completed	n/a	n/a	n/a		
B1	Condition	OK	OK	Build up in filter bag Clean drain		Could not inspect
	Action	n/a	n/a	warden		
	Date completed	n/a	n/a	15.3.23		
C5	Condition	OK	OK	Build up in filter bag Clean drain	Build up in filter bag Clean drain	Pump out
	Action	n/a	n/a	warden	warden	MM civil to pump out
	Date completed	n/a	n/a	15.3.23	19.7.23	20/11/2023

C4	Condition	OK	OK	Build up in filter bag Clean drain warden		Pump out
	Action	n/a	n/a	15.3.23		MM civil to pump out
	Date completed	n/a	n/a			20/11/2023
C3	Condition	OK	OK	Build up in filter bag Clean drain warden		Pump out
	Action	n/a	n/a	15.3.23		MM civil to pump out
	Date completed	n/a	n/a			20/11/2023
C6	Condition	OK	Build up in filter bag Clean drain warden	Build up in filter bag Clean drain warden	Build up in filter bag Clean drain warden	Pump out
	Action	n/a	7.12.22	15.3.23	19.7.23	Reconomy to clean
	Date completed	n/a				
C7	Condition	Build up in filter bag Clean drain warden	Build up in filter bag Clean drain warden	Build up in filter bag Clean drain warden	New pit cover installed by Reconomy. Unable to clean with vac truck	Pump out
	Action	1.11.22	7.12.22	15.3.23	n/a	Reconomy to clean
	Date completed				n/a	
C8	Condition	Build up in filter bag Clean drain warden	OK	Build up in filter bag Clean drain warden	Build up in filter bag Clean drain warden	Replace filter bag
	Action	1.11.22	n/a	15.3.23	19.7.23	Reconomy to replace
	Date completed		n/a			
	Condition	Build up in filter bag	Build up in filter bag	Build up in filter bag		Clean leaf litter

B9	Action	Clean drain warden	Clean drain warden	Clean drain warden		Reconomy to clean
	Date completed	1.11.22	7.12.22	15.3.23		
B7	Condition	OK	OK	Build up in filter bag		Clean leaf litter
	Action	n/a	n/a	Clean drain warden		Reconomy to clean
	Date completed	n/a	n/a	15.3.23		
B8	Condition	OK	OK	Build up in filter bag		Clean leaf litter
	Action	n/a	n/a	Clean drain warden		Reconomy to clean
	Date completed	n/a	n/a	15.3.23		
B6	Condition	OK	OK	Build up in filter bag		Clean leaf litter
	Action	n/a	n/a	Clean drain warden		Reconomy to clean
	Date completed	n/a	n/a	15.3.23		
B5	Condition	Build up in filter bag	OK	Build up in filter bag	Build up in filter bag	Pump out
	Action	Clean drain warden	n/a	Clean drain warden	Clean drain warden	MM civil to pump out
	Date completed	1.11.22	n/a	15.3.23	19.7.23	20/11/2023
B4	Condition	Build up in filter bag	Build up in filter bag	Build up in filter bag	Build up in filter bag	Pump out
	Action	Clean drain warden	Clean drain warden	Clean drain warden	Clean drain warden	MM civil to pump out
	Date completed	1.11.22	7.12.22	15.3.23	19.7.23	20/11/2023
A18	Condition	OK	OK	Build up in filter bag		Clean leaf litter
	Action	n/a	n/a	Clean drain warden		Production to clean
	Date completed	n/a	n/a	15.3.23		23/10/2023

A17	Condition	OK	OK	OK	Clean leaf litter
	Action	n/a	n/a	n/a	Production to clean
	Date completed	n/a	n/a	n/a	23/10/2023
A16	Condition	OK	OK	OK	Clean leaf litter
	Action	n/a	n/a	n/a	Production to clean
	Date completed	n/a	n/a	n/a	23/10/2023
A15	Condition	Build up in filter bag Clean drain	OK	Build up in filter bag Clean drain	Pump out
	Action	warden	n/a	warden	MM civil to pump out
	Date completed	1.11.22	n/a	15.3.23	20/11/2023
A14	Condition	OK	OK	OK	Clean leaf litter
	Action	n/a	n/a	n/a	Production to clean
	Date completed	n/a	n/a	n/a	23/10/2023
A13	Condition	OK	OK	OK	Clean leaf litter
	Action	n/a	n/a	n/a	Production to clean
	Date completed	n/a	n/a	n/a	23/10/2023
A12	Condition	OK	OK	OK	Clean leaf litter
	Action	n/a	n/a	n/a	Production to clean
	Date completed	n/a	n/a	n/a	23/10/2023
A11	Condition	Build up in filter bag Clean drain	OK	Build up in filter bag Clean drain	Clean leaf litter
	Action	warden	n/a	warden	Production to clean
	Date completed	1.11.22	n/a	15.3.23	23/10/2023
A10	Condition	Build up in filter bag Clean drain	OK	Build up in filter bag Clean drain	Clean leaf litter
	Action	warden	n/a	warden	Production to clean
	Date completed	1.11.22	n/a	15.3.23	23/10/2023

A9	Condition	Build up in filter bag Clean drain	OK	OK	Clean leaf litter
	Action	warden	n/a	n/a	MM civil to pump out
	Date completed	1.11.22	n/a	n/a	20/11/2023
A9-1	Condition	OK	OK	OK	ok
	Action	n/a	n/a	n/a	n/a
	Date completed	n/a	n/a	n/a	n/a
A8	Condition	OK	OK	Build up in filter bag Clean drain	Clean leaf litter
	Action	n/a	n/a	warden	Production to clean
	Date completed	n/a	n/a	15.3.23	23/10/2023
B1	Condition	OK	OK	OK	Could not inspect
	Action	n/a	n/a	n/a	
	Date completed	n/a	n/a	n/a	
B2	Condition	OK	OK	OK	Could not inspect
	Action	n/a	n/a	n/a	
	Date completed	n/a	n/a	n/a	
B3	Condition	OK	OK	OK	Could not inspect
	Action	n/a	n/a	n/a	
	Date completed	n/a	n/a	n/a	

Appendix K

OPERATIONAL COMPLIANCE REPORT

Department of Planning and Environment

Our ref: SSD-10459-PA-33

Dale Thomas
Environment and Sustainability Manager
DOWNER EDI WORKS PTY LTD
Wallumedegal Country
39 Delhi Road
North Ryde NSW 2113

15/09/2023

Sent via the Major Projects Portal only

Subject: Central Sydney Industrial Estate and DSRRC - 2022 - 2023 Compliance Report

Dear Mr Roberts

Reference is made to your post-approval matter, SSD-10459-PA-33, Operation Compliance Report for the period 12 May 2022 to 11 May 2023 (**report**), submitted as required by Schedule 2, Part C, Condition C14 of SSD-10459 as modified (**consent**) to the NSW Department of Planning and Environment (NSW Planning) on 21 August 2023.

NSW Planning has reviewed the Operation Compliance Report and considers it to generally satisfy the reporting requirements of the consent and the NSW Planning *Compliance Reporting Post Approval Requirements* (June 2018). Accordingly, as nominee of the Planning Secretary, I accept this report.

However, for future Operation Compliance Reports, under the provisions of Schedule 2, Part C, Condition C14 of the consent, the following information must be included as standalone sections within the report:

1. Condition C14 a) –any trends in the monitoring data, required under this consent.
2. Condition C14 b) – any discrepancies between the predicted and actual impacts of the development and analyse the potential cause of any significant discrepancies.
3. Condition C14 c) – the measures that will be implemented over the next year to improve the environmental performance of the report.

Please note that the NSW Planning's acceptance of this Operation Compliance Report is not an endorsement of the compliance status of the project.

As required by Schedule 2, Part C Condition C15 of the consent, please make publicly available a copy of the Operation Compliance Report on the company website.

Non-compliances identified in the Operation Compliance Report have been assessed in accordance with NSW Planning's *Compliance Policy* and closed out in response to the first IEA report, in a letter dated 12 September 2023.

Should you wish to discuss the matter further, please contact Astrid Christensen, (Compliance officer) on 9274 6170 or email compliance@planning.nsw.gov.au

Yours sincerely

Julia Pope
Team Leader Compliance - Metro
Compliance

As nominee of the Planning Secretary

Downer Rosehill Sustainable Road Resource Centre

9 Devon St, Rosehill, NSW 2142

SSD-10459 - Operational Compliance Report Number 1

Reporting Period - 12 May 2022 to 11 May 2023

Document Preparer	Document Review
Colin Biggs – Environment and Sustainability Advisor	Dale Thomas – Environment and Sustainability Manager
Document Approval	**Signature**
Paul Sherry – Manager Production	Paul Sherry

Document Version History			
Version No.	**Date**	**Document Status**	**Brief Description of Change(s) from Previous Version**
1	16/07/2023	Draft	Draft for review
1	12/08/2023	Final	For Submission
2	13/09/2023	Final	Updated response to condition C14 following consultation with DPIE.

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1 Introduction

This Compliance Report documents the compliance status of a State Significant Development in accordance with Condition C14 of the consent for the Central Sydney Industrial Estate (CSIE) and Downer Sustainable Road Resource Centre (DSRRC) (SSD-10459). Development consent SSD 10459 was granted to VE Property on 31 January 2021.

1 Site Overview

The site address is 9 Devon Street, Rosehill NSW 2142, and is part of lot 100 in deposited plan 1168951 and covers 35.068 ha (Figure 6.1). The DSRRC relevant to this report is on the 6.998 ha Lot 6 which is listed as part of stage 1 of the CSIE.

The site is in the Parramatta Local Government Area (LGA) and is zoned IN3 Heavy Industrial under the land use table in Part 2 of the LEP. The proposed use (general industry and waste or resource management facility – resource recovery facility) is permitted with consent in this zone.

The site is accessed from James Ruse Drive via Grand Avenue, Colquhoun Street and Devon Street or Grand Avenue, Durham and Devon streets. The site is accessed from Parramatta Road via Wentworth, Kay, Unwin, Colquhoun and Devon streets.

The site is in the southern part of Lot 6 and an elevated pad (front block) forms the northern part of the lot. The front block will possibly be used by another Downer business unit, leased or sold. The final operational use of the front block would be subject to a future development application.

2 Site Layout and Footprint

Figure 1 Site Location

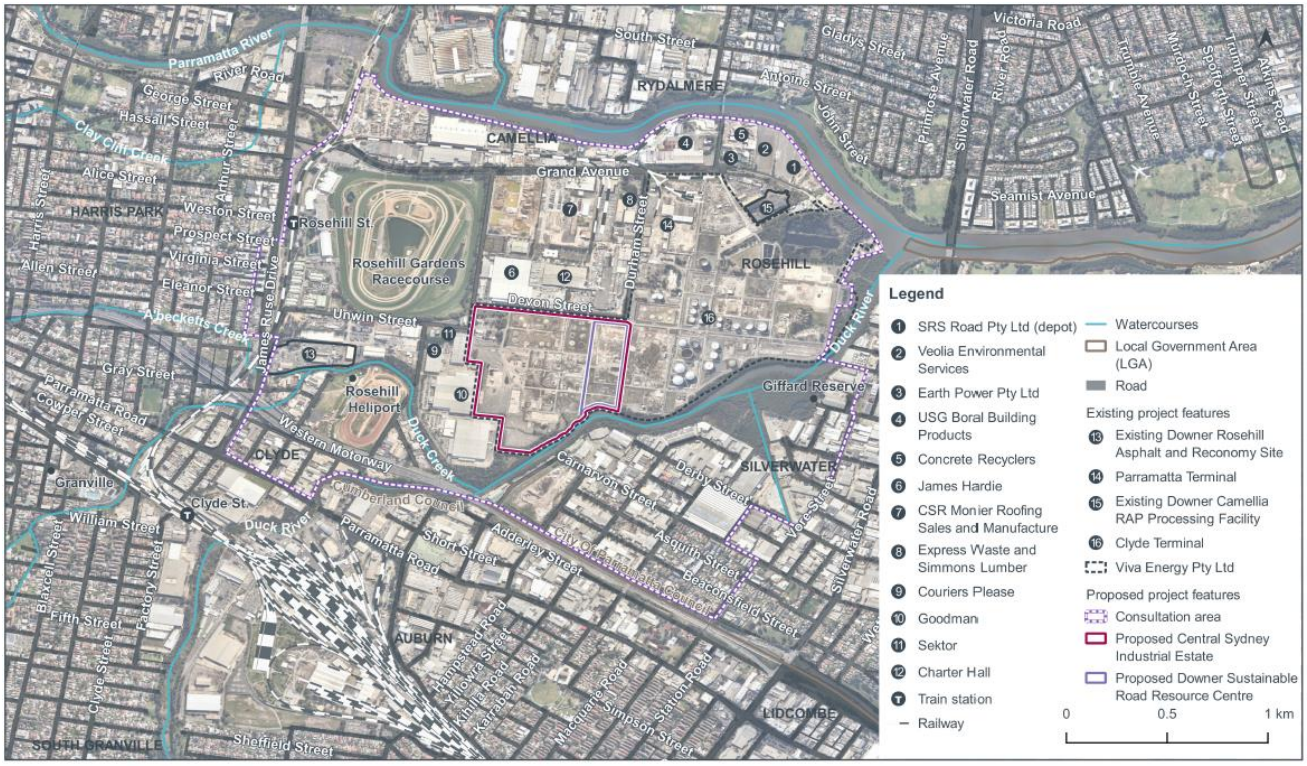

Figure 2 Local Context

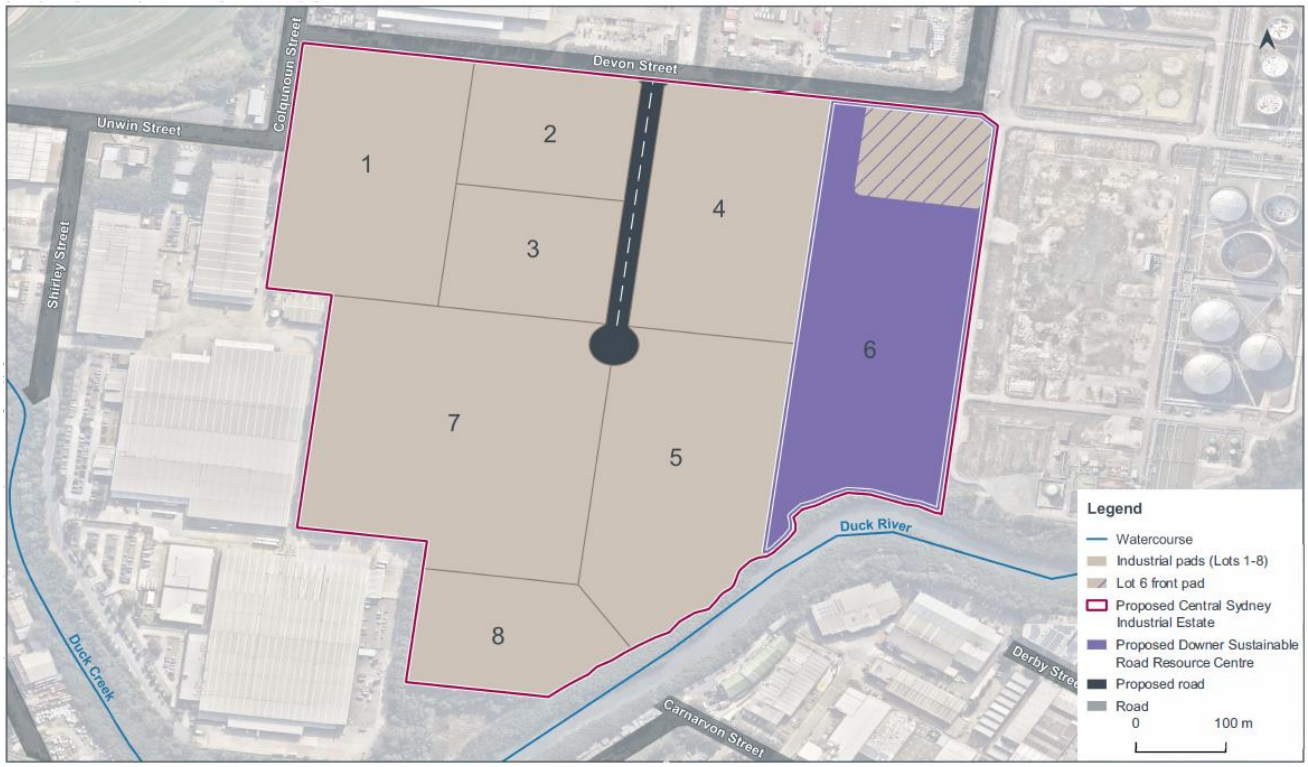

Figure 3 Site Area within CSIE

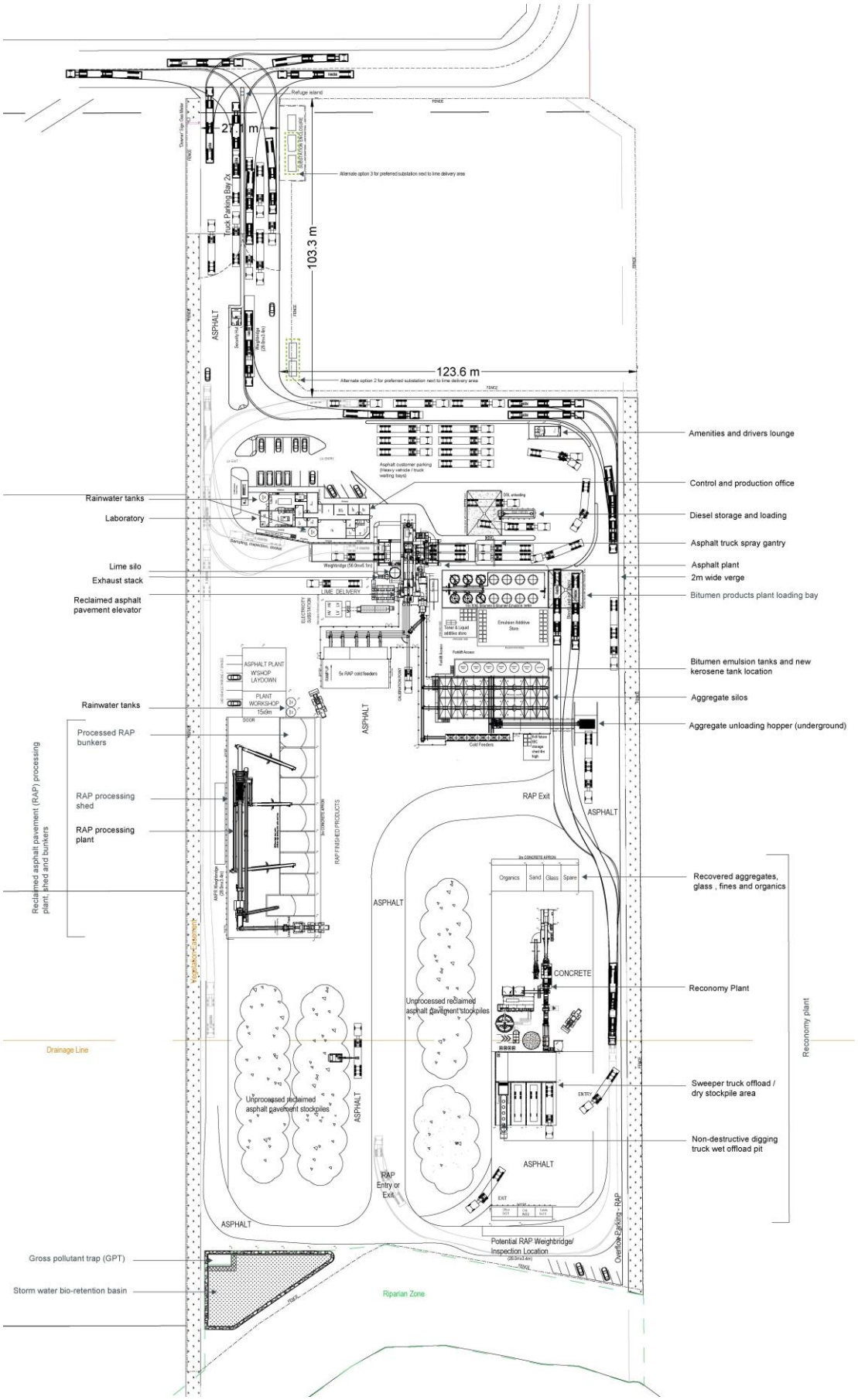

Figure 4 Site Layout

3 Summary of Operational Activities

Asphalt Plant

A fixed Ammann Universal HRT Stationary asphalt plant has been constructed on the site, which can produce up to 550,000 tonnes per annum (tpa) of asphalt. The maximum height of fixed equipment is 41 m. Approximately two thirds of the outside of the asphalt plant is clad.
The Asphalt plant is supported by raw material silos and a bitumen storage area.

Reclaimed Asphalt Pavement (RAP) Facility

Up to 250,000 tpa of RAP can be received onsite from road projects. This material, transported to site in covered tip trucks, is stored in the dedicated RAP stockpile areas prior to being granulated and screened onsite in the dedicated RAP Plant, on an as required basis for use in the production of asphalt (as a substitute for aggregates and bitumen) or for pavement materials.
The RAP plant is located inside a shed that is enclosed on the north, west and south sides. The east side is open in parts so a front-end loader can feed the RAP plant and remove the finished products.
Up to 90,000 tpa of RAP can be stored on site at any one time, and stockpiles can be up to a maximum 10 m in height.

Bitumen Products Facility

Downer have been approved under both the SSD and a the site Environmental Protection Licence (EPL 21611) to include a next generation, co-located emulsion plant, which will manufacture approximately 15,000 tpa using a purpose-built plant and will involve careful formulation of the products to produce chemically stable and well performing materials.

At the time of reporting this facility has not been constructed on site.

Reconomy Facility

The Reconomy facility onsite uses a customised material screening and processing plant and water treatment plant to recover materials, which are used in the manufacture of asphalt. The facility can process up to 40,000 tpa of the following waste streams which are traditionally landfilled:

- Street sweeper/stormwater pit waste.
- Non-destructive digging mud.
- Material Recovery facility glass fines.

Material separated during the recovery process is temporarily stockpiled adjacent to the recovery plant at the separation points and removed as required. Recovered aggregates and sand is temporarily stored in dedicated concrete storage bays, before being beneficially reused onsite in the adjacent asphalt plant.

Office and Laboratory

The site has a dedicated NATA accredited lab, which completes the sampling and analysis needed to meet Transport for NSW (TfNSW) Quality Assurance checks. A site office is attached to this laboratory.

A secondary site office is located towards the rear of site to support the onsite Reconomy Facility.

Weighbridges are also onsite to measure both incoming and outgoing vehicle weights.

3 Site Contacts

Key operational site contacts responsible for Compliance / Environmental Management are outlined below:

Role	Name	Details
Production Manager	Paul Sherry	**T |** 02 9897 4236 **M |** 0419 789 505 **E |** Paul.sherry@Downergroup.com
Maintenance and Recycling Manager	Roy Stiff	**T** | 0407 228 098 **E** | Roy.stiff@downergroup.com
Reconomy Production Manager	Matthew Wade	T | 0437 259 356 **E |** Matthew.wade@Downergroup.com
Site Supervisor	Gordon Mclisky	**M |** 02 9897 4337 **E |** Gordon.mclisky@downergroup.com
Reconomy Site Supervisor	Nakita Powell	T | 0437 372 658 E |Nakita.Powell@downergroup.com
Zero Harm Operations Manager	Elouise Gregg	**T** | 0447058631 **E** | Elouise.Gregg@downergroup.com
Environmental and Sustainability Advisor – Road Services	Colin Biggs	**T** | 0419 252 857 **E** |Colin.Biggs@downergroup.com

Figure 5 The key operational contacts for the Development

2 Previous Actions

As of the date of completing this Operational Compliance Report, there are no previous actions arising from a previous Independent Audit and/or Compliance Report.

3 Compliance Status Summary

A summary of the findings of this audit, and therefore the compliance status of the site in relation to SSD-10459 is outlined below.

Finding Type	Number of Findings
Compliant	75
Non-Compliant	3
Not Triggered	32

Figure 6 Compliance Status Summary

Note: No Compliance Summary Completed during the first 12 months of operation.

Please refer to **Appendix A – Compliance Table**, for the full findings from this audit.

4 Incidents

As of the date of completing this Operational Compliance Report, there are no incidents which relate to the SSD-10459 development.

5 Complaints

As of the date of completing this Operational Compliance Report, there are no complaints received which relate to the SSD-10459 development.

6 Compliance Table

A Compliance Table for this reporting period is provided as **Appendix A** of the compliance report.

The Compliance Table includes a compliance status for each condition of consent and uses the below listed relevant descriptors. A description of these descriptors is outlined below.

Status	Description
Compliant	The proponent has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with.
Non-compliant	The proponent has identified a non-compliance with one or more elements of the requirement.
Not triggered	A requirement has an activation or timing trigger that has not been met at the phase of the development when the compliance assessment is undertaken, therefore an assessment of compliance is not relevant.

Figure 7 Compliance status descriptors

7 Declaration

In accordance with the NSW Department of Planning, Industry and Environment's "*SF20/40224 Compliance Reporting; Post Approval Requirements May 2020*", the Authorised Reporting Officer has completed a Compliance Report Declaration Form to support this Compliance Report. This has been provided in **Appendix D**.

The Authorised Reporting Officer declares that:

1) The Compliance Report has been prepared/reviewed to be in accordance with the requirements set out in *Requirement 1* of the *NSW Department of Planning, Industry and Environment | SF20/40224 Compliance Reporting; Post Approval Requirements May 2020*.
2) Compliance with all relevant conditions of consent was assessed when preparing the Compliance Report.
3) The information contained in the Compliance Report is correct; and
4) The Compliance Report provides an accurate summary of the compliance status of the development during the reporting period.

List of Appendices

Appendix A: **Compliance Table**

Appendix B: **Compliance Report Declaration Form**

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Appendix A: Compliance Table

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Condition of consent number	Compliance Requirement *(Note: where a condition has multiple subsets, each separate compliance requirement is to be placed on a separate line)*	Development phase	Evidence and comments	Compliance status
PART A ADMINISTRATIVE CONDITIONS				
Obligation to Minimise Harm to the Environment				
A1	In addition to meeting the specific performance measures and criteria in this consent, all reasonable and feasible measures must be implemented to prevent, and if prevention is not reasonable and feasible, minimise, any material harm to the environment that may result from the construction and operation of the development, and any rehabilitation required under this consent.	At All Times	- Project Manager confirmed management of the construction site has been in accordance with the SSD, CEMP, and Sub-Plans. - Current Site Management team has confirmed management of the Operational site has been in accordance with the SSD, OEMP and Sub-Plans - Key environmental issues are raised during site inductions and any further concerns are discussed at pre-start meetings & toolbox talks. - Incidents are recorded and investigated for opportunities for improvement. Zero material incidents in the reporting period. All publicly available information required by this Development Consent is available on the DSRRC website: (https://www.downergroup.com/downer-rosehill-sustainable-resource-centre)	Compliant
Terms Of Consent				

A2	The development may only be carried out: (a) in compliance with the conditions of this consent. (b) in accordance with all written directions of the Planning Secretary. (c) in accordance with the EIS and Response to Submissions. (d) in accordance with the Development Layout in Appendix 1; and (e) in accordance with the management and mitigation measures in Appendix 2.	At All Times	- Development Consent SSD 10459, 31 January 2021, DPE - Compliance Report completed in accordance with SSD, Independent audit also being carried out in accordance with SSD. In addition, internal audits have shown compliance. - 24 April 2020 a scoping report was prepared by Element Environment Pty Limited (Element) on behalf of VE Property Pty Ltd (VE Property) for submission to the NSW Department of Planning, Industry and Environment (DPIE) to gain Secretary's environmental assessment requirements (SEARs) for the following project: 1. subdivision and infrastructure work to create a new 35 hectare (ha) Central Sydney Industrial Estate (the Estate) on the site of the former Shell Clyde refinery; and 2. development and operation of Downer's Sustainable Road Products Complex as Stage 1 of the Estate (Stage 1). - 28 May 2020 A request for a Planning Secretary's environmental assessment requirements (SEARs) was sent to Mr Greg Hamilton, Director, VE Property Pty Ltd for the preparation of an Environmental Impact Statement (EIS) - 18 September 2020 Element Environment on behalf of VE Property Pty Ltd and Downer EDI Works Pty Ltd released the Central Sydney Industrial Estate incorporating the Sustainable Road Resource Centre State Significant Development: Environmental Impact Statement (PR122 (SSD-10459)) Rev 1, 18/09/2023 - 30 November 2020 Element Environment on behalf of Downer release for submission to DPIE *State Significant Development Response to Submission document. Version 1,* 30 November 2020. A copy of the Response to Submission document can be found at *https://www.downergroup.com/response-to-submissions* - 16 February 2021 the DPE approved of CEMP including the management and mitigation measures in Appendix 2	Compliant

			Refer to SSD10459 Stamped Plans Part1 and 2, 8 July 2020 by Costin Roe Consulting (DPE approved stamped 31 January 2021) (issued 31 January 2021). A copy of the Stamped Plans are available on https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/SSD-10459_Stamped_Plans_PART_1_and_2.pdf - The site is currently operating in accordance with the DPIE approved OEMP, which is available on the DSRRC website: (https://www.downergroup.com/downer-rosehill-sustainable-resource-centre)	
A3	Consistent with the requirements in this consent, the Planning Secretary may make written directions to the Applicant in relation to: (a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this consent, including those that are required to be, and have been, approved by the Planning Secretary; and (b) the implementation of any actions or measures contained in any such document referred to in condition A3(a).	At All Times	No written directions regarding this have been received from the Planning Secretary	Not Triggered
A4	The conditions of this consent and directions of the Planning Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document listed in condition A2(c) or A2(e). In the event of an inconsistency, ambiguity or conflict between any of the documents listed in condition A2(c) or A2(e), the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.	At All Times	N/A	Not Triggered
Limits of Consent				
Lapsing				
A5	This consent lapses five years after the date from which it operates unless the development has physically commenced on the land to which the consent applies before that date.	N/A	- Development Consent SSD 10459, 31 January 2021, DPE - 12 February 2021 Letter; EE-DPE re: Notification of Commencement of Construction DSRRC Stage 1 commencing on 25 February 2021 - 2 May 2022 Letter; EE-DPE re: Commencement of Operation Stage – 12 May 2022	Compliant
A6	The draft section 88B instrument (Conveyancing Act 1919) submitted by the Applicant as part of the Response to Submissions does not form part of this consent.	N/A	N/A	Not Triggered

Development Limits - DSRRC				
A7	The DSRRC is not to exceed the following production or processing limits: (a) 550,000 tonnes per year of Asphalt production. (b) 250,000 tonnes per year of Reclaimed Asphalt Pavement processing. (c) 15,000 tonnes per year of Bitumen Products production; and (d) 40,000 tonnes per year of Reconomy processing.	At All Times	Evidence shows that this condition has been complied with at all times. - Downer are able to track material as Weight in via the weighbridge tracking spreadsheet (SRRC). Asphalts production is also tracked via Asphalt Volume reported monthly. - On the 11 May 2022 Letter; NSW EPA granted EPL 21611 to Downer to conduct operations on the site. Under the terms of acceptance, Downer is required to report material onsite using the departments Waste and Resource Reporting Portal (WARRP). In addition, Downer completed a stocktake and baseline survey to comply with waste levy requirements.	Compliant
Works under SSD 9302 – Western Area Remediation Project				

A8	Prior to the issue of a Subdivision Certificate for each of Stages 1B, 2 and 3, the Applicant must submit to the Planning Secretary and Certifier the following which are to demonstrate the relevant stage has been remediated in accordance with the approval of SSD 9302 and is suitable for an industrial land use: (b) a Site Audit Statement (accompanied by an Environmental Management Plan, if required by an EPA accredited Site Auditor); and (ii) an accompanying Site Audit Report prepared by an EPA accredited Site Auditor in accordance with the NSW Contaminated Land Management – Guidelines.	Prior to Construction	Developer of entire development (not just lot 6 of stage 1) 'VE Property' adhered to this condition through the following: - Site Audit Statement 055-2127799 by Andrew Kohlrusch dated 23 December 2020 issued for Stage 1 area (Part Lot 100 in DP1168951) to determine land use suitability use subject to compliance with "Clyde Western Area Remediation Project, Stage 1 Long Term Environmental Management Plan" by ERM (17 December 2020) (SAS attached in OEMP version 4 dated 25 January 2022) - 31 January 2021 the Minister for Planning and Public Spaces (under delegation) Industrial subdivision over three (3) stages (Stage 1A/1B, Stage 2 and Stage 3) and the construction and operation of a combined asphalt plant, reclaimed asphalt pavement (RAP) facility, bitumen products plant and a road waste sweeping recycling facility (Reconomy) on proposed Lot 6 - Letter dated 12 February 2021 by Element Environment on behalf of Downer notify DPIE that, Downer anticipates commencing construction of the Sustainable Road Resource Centre (DSRRC) on 25 February 2021. The DSRRC will be constructed on Lot 6 as part of Stage 1 of the Central Sydney Industrial estate (CSIE). A copy of the Stamped Plans are available on https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/SSD-10459_Stamped_Plans_PART_1_and_2.pdf	Compliant

A9	The Applicant must implement the Long-Term Environmental Management Plan (LTEMP) approved under condition B8 of SSD 9302 and provide evidence to the Planning Secretary that the LTEMP is listed on the relevant planning certificate(s) issued under section 10.7 of the EP&A Act for each lot created by Stages 1A and B, 2 and 3 as shown in the 'Subdivision Drawings prepared by Land Partners' in Appendix 1.	At All Times	Developer of entire development (not just lot 6 of stage 1) 'VE Property' adhered to this condition through the following: - 23 December 2020 Site Audit Statement 055-2127799 by Andrew Kohlrusch issued for Stage 1 area (Part Lot 100 in DP1168951) to determine land use suitability use subject to compliance with "Clyde Western Area Remediation Project, Stage 1 Long Term Environmental Management Plan" by ERM (17 December 2020) (SAS attached in OEMP version 4 dated 25 January 2022) - 29 February 2020, Clyde Western Area Remediation Project Stage 1 – Long Term Environmental Management Plan-Final (Environmental Resources Management Australia Pty Ltd – Updated based on DPIE Review, 29th January 2021), outline required environmental management procedures and controls for intrusive works within the 'Stage 1' portion of the Clyde Western Area Remediation Project (WARP), - Refer to SSD10459 Stamped Plans Part1 and 2 (issued 31 January 2021) A copy of the Stamped Plans are available on https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/SSD-10459_Stamped_Plans_PART_1_and_2.pdf	Compliant
A10	Nothing in this consent limits, restricts or removes the conditions of consent for SSD 9302.	At All Times	Not relevant	Not Triggered
Notification of Commencement				

A11	The date of commencement of each of the following phases of the development must be notified to the Planning Secretary in writing, at least one week before that date, or as otherwise agreed with the Planning Secretary: (a) construction. (b) operation; and (c) cessation of operations.	At all Stages	- A Letter dated 12 February 2021 was sent by Element Environment on behalf of Downer to DPIE notifying commencement of construction in accordance with condition A11 and A12 of development consent SSD10459 in order to comply with this condition. The letter outlined Downer were anticipate commencing construction of the Sustainable Road Resource Centre (DSRRC) on 25 February 2021. A copy of the SSD10459 is located at; https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/SSD_10459_Development_consent_SIGNED_210131.pdf - Additional letters were also sent to DPIE notifying of commencement of operations. This was done in 2 parts; 1. Letter was sent on 2 May 2022 Regarding Commencement of Operation notification, which commenced on 12 May 2022 2. letter sent on 26 July 2022 notifying of the RAP facility onsite commencing operations. - Cessation of operations not yet triggered.	Compliant

A12	If the construction or operation of the development is to be staged, the Planning Secretary must be notified in writing, at least one week before the commencement of each stage (or other timeframe agreed with the Planning Secretary), of the date of commencement and the development to be carried out in that stage.	Prior to Construction	- A Letter dated 12 February 2021 was sent by Element Environment on behalf of Downer to DPIE notifying commencement of construction in accordance with condition A11 and A12 of development consent SSD10459 in order to comply with this condition. The letter outlined Downer were anticipate commencing construction of the Sustainable Road Resource Centre (DSRRC) on 25 February 2021. A copy of the SSD10459 is located at; https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/SSD_10459_Development_consent_SIGNED_210131.pdf - Additional letters were also sent to DPIE notifying of commencement of operations. This was done in 2 parts; 1. Letter was sent on 2 May 2022 Regarding Commencement of Operation notification, which commenced on 12 May 2022 2. letter sent on 26 July 2022 notifying of the RAP facility onsite commencing operations.	Compliant
Evidence of Consultation				

A13	Where conditions of this consent require consultation with an identified party, the Applicant must: (a) consult with the relevant party prior to submitting the subject document to the Planning Secretary for approval; and (b) provide details of the consultation undertaken including: i. the outcome of that consultation, matters resolved and unresolved; and ii. details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.	At All Times	Consultation was conducted with various parties at various stages throughout the development. This included: - Prior to commencing the development, on the 28 May 2020, a request for a Planning Secretary's environmental assessment requirements (SEARs) was sent to Mr Greg Hamilton, Director, VE Property Pty Ltd for the preparation of an Environmental Impact Statement (EIS). These requirements were addressed within the EIS. - The DPIE released the State Significant Development Assessment SSD-10459 (January 2021) The proposal also includes construction and operation of the first stage of the subdivision for the Downer Sustainable Road Resource Centre to be operated by Downer EDI Works Pty Ltd (Downer). During the assessment of the EIS application, DPIE and other interested parties provided input into the development. This input was addressed and suitable outcomes achieved prior to SSD approval. A copy of the EIS is available on https://www.downergroup.com/environmental-impact-statements - 30 November 2020 Element Environment on behalf of Downer release for submission to DPIE State Significant Development Response to Submission document. Version 1 A copy of the Response to Submission document can be found at https://www.downergroup.com/response-to-submissions AND https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/PR122_CSIE_Consolidated_Appendix_03_03_21_web.pdf Other consultation was undertaken during the development of required management plans and permit/licencnig application assessments.	Compliant
Staging, Combining and Updating Strategies, Plans or Programs				

A14	With the approval of the Planning Secretary, the Applicant may: (a) prepare and submit any strategy, plan or program required by this consent on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the strategy, plan or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan or program); (b) combine any strategy, plan or program required by this consent (if a clear relationship is demonstrated between the strategies, plans or programs that are proposed to be combined); and (c) update any strategy, plan or program required by this consent (to ensure the strategies, plans and programs required under this consent are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development).	Prior to Construction	The relevant plans for the development were submitted as required. This included: - DPE letter of 16/2/21 agreed with staging the DSRRC pre-construction management plans only, with other works associated with the broader CSIE to be submitted for approval at a later stage. DPE letter of 16/02/21 approved the following plans specific to DSRR construction: • Construction Environmental Management Plan (Revision 4, dated 1 February 2021) • Construction Traffic and Pedestrian Management Plan (Revision 7, dated 5 February 2021) • Erosion and Sediment Control Plan (Drawing CO13919.01-DA21 Revision F, dated 30 November 2020 and Drawing CO13919.01DA25 Revision B, dated 12 August 2020) • Construction Noise Management Plan (Revision 1, dated 1 February 2021) • Community Consultation and Complaints Handling (CEMP) • Flood Emergency Response Plan (Revision 2.0, dated 3 February 2021) and • Residual and Unexpected Contamination Management Plan (Revision 3, dated 3 February 2021) A copy of the SSD10459 is located at; https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/SSD_10459_Development_consent_SIGNED_210131.pdf	Compliant
A15	If the Planning Secretary agrees, a strategy, plan or program may be staged or updated without consultation being undertaken with all parties required to be consulted in the relevant condition in this consent.	Prior to Construction	No agreement received from the Planning secretary to update strategies, plans or programs without consultation	Not Triggered
A16	If approved by the Planning Secretary, updated strategies, plans or programs supersede the previous versions of them and must be implemented in accordance with the condition that requires the strategy, plan or program.	Prior to Construction	- No updates provided or evidence of updates being approved by Planning Secretary. Not applicable	Not Triggered
Protection of Public Infrastructure				

A17	Before the commencement of construction, the Applicant must: (a) consult with the relevant owner and provider of services that are likely to be affected by the development to make suitable arrangements for access to, diversion, protection, and support of the affected infrastructure. (b) prepare a dilapidation report identifying the condition of all public infrastructure in the vicinity of the site (including roads, gutters and footpaths)©nd (c) submit a copy of the dilapidation report to the Planning Secretary and Council.	Prior to Construction	Screenshot Planning Portal, a copy of the CSIE_Stage 1_Cond A17_Delapidation report.pdf and CSIE_Stage 1_Cond A17_Delapidation photos.pdf was uploaded to the Central Sydney Industrial Estate and DSRRC – SSD-10459-PA-3 Post Approval Portal	Compliant
A18	Unless the Applicant and the applicable authority agree otherwise, the Applicant must: (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by carrying out the development; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.	During Construction	- N/A due to no damage caused to public infrastructure.	Not Triggered
Structural Adequacy				
A19	All new buildings and structures that are part of the development, must be constructed in accordance with the relevant requirements of the BCA. *Note:* *• Under Part 6 of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works.* *• Part 8 of the EP&A Regulation sets out the requirements for the certification of the development.*	During Construction	The Project structures have been constructed in accordance with the BCA. This is demonstrated by the principal certifier approving structures, as per the below: - 5 April 2022, Letter provided certifies that KL Modular Systems (Aust.) Pty. Ltd., has constructed Downer Building A, B, C, D in accordance with the Relevant Building Codes and Australian Standards. - 8 July 2019 Werringtonfire Australia Pty Ltd present the classification of external walls	Compliant
Compliance				
A20	The Applicant must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this consent relevant to activities they carry out in respect of the development.	At All Times	Evidence of inductions, training, toolbox talks and/or safety minutes or equivalent including attendance/sign-off are kept on file.	Compliant
Contributions to Council				
A21	Before the issue of an occupation certificate for any part of the development, a contribution under section 7.12 of the EP&A Act must be paid to Council under the City of Parramatta S94A Development Contributions Plan (Amendment No.5). The cost of development works must be calculated in accordance with clause 25J of the EP&A Regulation by a suitably qualified quantity surveyor.	Prior to Operation	Payment of Development contributions to PCC for $748,274 dated 22/3/22 have been made. Following payment, McKenzie Group issued the Occupation Certificates.	Compliant

Operation of Plant and Equipment				
A22	All plant and equipment used on site, or to monitor the performance of the development, must be: (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner	At All Times	The DSRRC is a modern and highly automatised industrial site. Downer processes and systems provides for systematic maintenance of equipment. Maintenance and inspection records for all plant and equipment logs, showing compliance with condition kept on file.	Compliant
External Walls and Cladding – DSRRC Building Works				
A23	The external walls of all buildings including additions to existing buildings must comply with the relevant requirements of the BCA.	Construction	KLMS Australia letter dated 5 April 2022 reports compliance of external walls and cladding with the BCA, and references conditions A23 and A24. In addition, the Occupation Certificate (OC) No. 201700/03 by McKenzie Group for the DSRRC dated 17/5/22 references KLMS letter dated 5/5/22.	Compliant
A24	Prior to the issue of: (a) any Construction Certificate relating to the construction of external walls (including the installation of finishes and claddings such as synthetic or aluminium composite panels); and (b) an Occupation Certificate, the Applicant must provide the Certifier with documented evidence that the products and systems proposed for use or used in the construction of external walls (including finishes and claddings such as synthetic or aluminium composite panels) comply with the requirements of the BCA.	Prior to Operation	KLMS Australia letter dated 5 April 2022 reports compliance of external walls and cladding with the BCA, and references conditions A23 and A24. McKenzie Group Consulting (NSW) Pty Ltd, who were appointed as the principal certifier provided the Occupation Certificate (OC) No. 201700/03 for the DSRRC dated 17/5/22 which references KLMS letter dated 5/5/22. In addition to the above: - 17 February 2022; Letter; Costin Roe Consulting Pty Ltd to Downer; Provided Structural Design Certification to the Building Code of Australia and Australian Standards. - 23 February 2022. Letter; Costin Roe Consulting Pty Ltd to Downer; Provided Structural Construction Certification to the Building Code of Australia and Australian Standards - 5 April 2022, Letter provided certifies that KL Modular Systems (Aust.) Pty. Ltd., has constructed Downer Asphalt Plant Rosehill in accordance with the drawings and specifications as approved by the client. - 5 April 2022, Letter provided certifies that KL Modular Systems (Aust.) Pty. Ltd., has constructed Downer Building A, B, C, D in accordance with the Relevant Building Codes and Australian Standards.	Compliant
A25	The Applicant must provide a copy of the documentation given to the Certifier to the Planning Secretary within seven days after the Certifier accepts it.	Prior to Operation	On the 17 May 2022, the Certifier accepted OC, and the DPIE received the OC via email on the 19 May 2022, less than 7 days following the certifiers acceptance.	Compliant

Utilities and Services				
A26	Before the construction of any utility works associated with the development, the Applicant must obtain relevant approvals from service providers. The Applicant is to include TfNSW in any consultation with Sydney Water regarding the proposed wastewater and potable water mains on Colquhoun Street	Prior to Construction	Relevant approvals were received prior to starting construction of any utility works associated with the development. In addition to the construction and occupation certificates, these approvals included: - Construction Certificate No. 201700/01 by McKenzie group dated 1/3/2021 to the DSRRC, with reference to plans for Energy Works prepared by Endeavour Energy - Gas Supply Licensee's Certificate of Compliances dated 23/11/21 and 15/12/2021 - Endeavour Energy Letter Ref: UIL5936 dated 16/9/2021 – Connection of Load Application 9 Devon Street, Rosehill, Drawing 521553B - NBN letter to Downer dated 11/01/2021 23/2/2022, and NBN letter to Green Futures both re: Provisioning of Telecommunication Services – Confirmation of Payment, providing verification of NBN infrastructure - Sydney Water Subdivider/Developer Compliance Certificate for the DSRRC dated 31/01/2021 Regarding consultation with TfNSW in regards to water infrastructure on Colquhoun St, the DSRRC does not have frontage with Colquhoun Street. The western side of the CSIE site is adjacent to Colquhoun St. Consultation with Sydney Water regarding wastewater and potable water on Colquhoun Street not applicable to the DSRRC works but to the subdivision works by VE Property. On the 18 March 2021 notification was given to the Planning Secretary prior to the commencement of construction will involve the installation of new services to the site, specifically in the form of an extension of the Endeavour Energy HV infrastructure. also refer to Drawing STG-W000184323_B_3871.pdf for NBN installation diagram. On the 16 September 2021 Letter; Endeavour Energy to CJ Doyle Contracting Services Pty Ltd; Re UIL5936 – Connection of Load Application 9 Devon Street, Rosehill Drawing 521553B Letter of Acceptance.	Compliant

A27	Before the issue of a Subdivision Works Certificate or Construction Certificate for any stage of the development, the Applicant (whether or not a constitutional corporation) is to provide evidence, satisfactory to the Certifier, that arrangements have been made for: (a) the installation of fibre-ready facilities to all individual lots and/or premises in the development to enable fibre to be readily connected to any premises that is being or may be constructed on those lots; and (b) the provision of fixed-line telecommunications infrastructure in the fibre-ready facilities to all individual lots and/or premises in the development, demonstrated through an agreement with a carrier.	Prior to Construction	The DSRRC is provided with NBN infrastructure as referred to in the CC and NBN communications. - NBN drawing STG-W000184323 dated 4/05/21 shows NBN cables connected to the asphalt plant through an easement along the western side of the DSRRC) - 23 February 2022 Letter; nbn New Developments to Downer Re Provisioning of Telecommunication Services - Confirmation of final payment. Regarding the CC and OC: - Construction Certificate No. 201700/01 by McKenzie group dated 1/3/2021 to the DSRRC, with reference to NBN letter dated 11/01/2021 with verification of NBN infrastructure. - 17 May 2022 Mckenzie Group issued Occupation Certificate No. 201700/03 which included a Confirmation of Final Payment for Telecommunication Services prepared by NBN Australia dated 23 February 2022	Compliant
A28	Before the issue of the Occupation Certificate for the DSRRC building works or Subdivision Certificate, the Applicant must demonstrate that the carrier has confirmed in writing they are satisfied that the fibre ready facilities are fit for purpose.	Prior to Operation	- 23 February 2022 Letter; nbn New Developments to Downer Re Provisioning of Telecommunication Services - Confirmation of final payment. - 17 May 2022 Mckenzie Group issued Occupation Certificate No. 201700/03 which included a Confirmation of Final Payment for Telecommunication Services prepared by NBN Australia dated 23 February 2022 - 22 August 2021 (DocuSign Envelope) Sydney Water Subdivider/Developer Compliance Certificate - 16 September 2021 Letter; Endeavour Energy to CJ Doyle Contracting Services Pty Ltd; Re UIL5936 – Connection of Load Application 9 Devon Street, Rosehill Drawing 521553B Letter of Acceptance	Compliant
Subdivision				
All Stages				

A29	The Applicant must subdivide the site in accordance with the subdivision plans listed in Appendix 1	Prior to Construction	Land subdivision is undertaken by the Applicant VE Property Pty Ltd. Downer's responsibilities under the consent relate to the construction and operation of the DSRRC in one of the lots created (ie. Lot 6 DP1271928) However, in compliance to this condition: - 31 January 2021 the Executive Director – Energy, Industry and Compliance, as delegate of the Minister for Planning and Public Spaces, approved development application SSD-10459 for the Central Sydney Industrial Estate and Downer Sustainable Road Resource Centre in accordance with Part 4 of the Environmental Planning and Assessment Act 1979 (the Act). - 16 February 2021 DPE acknowledged that the Applicant is firstly seeking approval of the various pre-construction plans for the DSRRC only. Pre-construction management plans for the works associated with the broader CSIE will be submitted for the Planning Secretary's approval later with further subdivision works conducted under SSD 9302 - Viva Energy Clyde Western Area Remediation Project	Not Triggered

A30	Prior to the issue of a Subdivision Certificate for each of Stages 1A and 1B, 2 and 3, the Applicant must: (a) provide the Certifier evidence that all matters required to be registered on title, including easements, have been prepared and are included on the plan of subdivision for registration at Land Registry Services. (b) obtain a Compliance Certificate for water and sewerage infrastructure servicing of the relevant stage under section 73 of the Sydney Water Act 1994; and (c) demonstrate to the satisfaction of the Certifier that satisfactory service arrangements for electricity for the relevant stage have been established.	Prior to Construction	Land subdivision is undertaken by the Applicant VE Property Pty Ltd. Downer's responsibilities under the consent relate to the construction and operation of the DSRRC in one of the lots created (ie. Lot 6 DP1271928) However, in compliance to this condition: - 31 January 2021 the Minister for Planning and Public Spaces (under delegation) Industrial subdivision over three (3) stages (Stage 1A/1B, Stage 2 and Stage 3) and the construction and operation of a combined asphalt plant, reclaimed asphalt pavement (RAP) facility, bitumen products plant and a road waste sweeping recycling facility (Reconomy) on proposed Lot 6 - 16 February 2021 the DPE acknowledged that the Applicant is firstly seeking approval of the various pre-construction plans for the DSRRC only. Accordingly, the Planning Secretary agrees to the proposed staging. - 12 February 2021 Element Environment on behalf of Downer release for submission to DPIE that the DSRRC will be constructed on Lot 6 as part of Stage 1 of the Central Sydney Industrial Estate (CSIE). - Refer to SSD10459 Stamped Plans Part1 and 2 (issued 31 January 2021). A copy of the Stamped Plans are available at https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/SSD-10459_Stamped_Plans_PART_1_and_2.pdf - 22 August 2022, Sydney Water Corporation certifies that the above-named applicant has complied with the requirements, relating to the plan Subdivision/Development described above, of Division 9 of the Sydney Water Act, 1994	Not Triggered
Stages 2 and 3				

A31	Prior to the issue of a Subdivision Certificate for each of Stages 2 and 3, detailed work-as-executed drawings prepared and signed by a Registered Surveyor, which show the finished surface levels of the access road (for stage 3), drainage and any areas of fill, carried out under this consent for the relevant stage, must be submitted to the Certifier and Council.	Prior to Construction	Land subdivision is undertaken by the Applicant VE Property Pty Ltd. However, in compliance to this condition: - 1 January 2021 Minister for Planning and Public Spaces (under delegation) Industrial subdivision over three (3) stages (Stage 1A/1B, Stage 2 and Stage 3) and the construction and operation of a combined asphalt plant, reclaimed asphalt pavement (RAP) facility, bitumen products plant and a road waste sweeping recycling facility (Reconomy) on proposed Lot 6 - 16 February 2021 DPE acknowledged that the Applicant is firstly seeking approval of the various pre-construction plans for the DSRRC only. Pre-construction management plans for the works associated with the broader CSIE will be submitted for the Planning Secretary's approval later with further subdivision works conducted under SSD 9302 - Viva Energy Clyde Western Area Remediation Project	Not Triggered
A32	Prior to the issue of a Subdivision Certificate for each of Stages 2 and 3, detailed work-as-executed drawings prepared and signed by a Registered Surveyor, which show the finished surface levels of the access road (for stage 3), drainage and any areas of fill, carried out under this consent for the relevant stage, must be submitted to the Certifier and Council.	Prior to Construction	Land subdivision is undertaken by the Applicant VE Property Pty Ltd. However, in compliance to this condition: - 31 January 2021 Minister for Planning and Public Spaces (under delegation) Industrial subdivision over three (3) stages (Stage 1A/1B, Stage 2 and Stage 3) and the construction and operation of a combined asphalt plant, reclaimed asphalt pavement (RAP) facility, bitumen products plant and a road waste sweeping recycling facility (Reconomy) on proposed Lot 6 - 16 February 2021 DPE acknowledged that the Applicant is firstly seeking approval of the various pre-construction plans for the DSRRC only. Pre-construction management plans for the works associated with the broader CSIE will be submitted for the Planning Secretary's approval at a later date with further subdivision works conducted under SSD 9302 - Viva Energy Clyde Western Area Remediation Project	Not Triggered
Work as Executed Plans – DSRRC Building Works				

A33	Before the issue of an Occupation Certificate for the DSRRC, work-as-executed drawings signed by a registered surveyor demonstrating that the stormwater drainage and finished surface levels have been constructed as approved, must be submitted to the Principal Certifier.	Prior to Operation	The Occupation certificate issues 17 May 2022 by Mckenzie Group included an inspection Report for Stormwater prepared by Mckenzie Group consulting dated 7 October 2021, and also correspondence regarding stormwater connection inspection (by Mckenzie Group dated 6 October 2021) Costin Roe Consulting Pty Ltd Stormwater As Built and Final Surface Level Confirmation drawings also demonstrate compliance. Additional supporting evidence of compliance includes: - 19 April 2022. J & J Pipe Testing CCTV REPORT: Test in Accordance with WSA 05-2008 - SSD10459 Stamped Plans Part1 and 2 (issued 31 January 2021). A copy of the Stamped Plans are available on; https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/SSD-10459_Stamped_Plans_PART_1_and_2.pdf	Compliant
Applicability of Guidelines				
A34	References in the conditions of this consent to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, Standards or policies in the form they are in as at the date of this consent.	At All Times	17 May 2022 Mckenzie Group issued Occupation Certificate No. 201700/03 acknowledges that all relevant guidelines, protocols Australian Standards or policies are complied to as at the date of this consent.	Compliant
A35	However, consistent with the conditions of this consent and without altering any limits or criteria in this consent, the Planning Secretary may, when issuing directions under this consent in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such a guideline, protocol, Standard or policy, or a replacement of them.	At All Times	The Planning Secretary has not issued any directions relating to this condition.	Not Triggered
Advisory Notes				

AN1	All licences, permits, approvals and consents as required by law must be obtained and maintained as required for the development. No condition of this consent removes any obligation to obtain, renew or comply with such licences, permits, approvals and consents	At All Times	All required licences, permits, approvals and consents have been obtained and adhered to as required by this condition. These include: - 11 May 2022 EPA approved the application and issued Environment Protection Licence Number 21611, - 31 January 2021 Executive Director Energy, Industry and Compliance issued to VE Property Pty Ltd the SSD consent, (File: EF20/21442) - 25 May 2022; EPA approved 'The Downer recovered aggregate and sand order May 2022' and 'The Downer recovered aggregate and sand order and exemption May 2022'. - 14 June 2022 Sydney Water granted the site trade waste Conditional Consent Approval no: 52011. - EPA granted the site Radiation Management Licence (No. 5061392).	Compliant
PART B – SPECIFIC ENVIRONMENTAL CONDITIONS				
Contamination				
Unexpected Finds				
B1	Prior to the commencement of earthworks, the Applicant must prepare an unexpected contamination procedure to ensure that potentially contaminated material is appropriately managed. The procedure must form part of the CEMP in accordance with condition C2 and must ensure any material identified as contaminated is disposed off-site, or otherwise treated to the satisfaction of the EPA Accredited Site Auditor, with the disposal location and results of testing submitted to the Planning Secretary, prior to its removal from the site.	Prior to Construction	- A Residual and Unexpected Contamination Management Plan was prepared which form part of the CEMP (Rev 4, 1 February 2021, Downer) and addressed the requirement in this condition. Annex B Residual and Unexpected Contamination Management Plan Rev 2 3 February 2021, Downer - 16 February 2021 DPE acknowledged that Staged Submission of Pre-Construction Management Plans the CEMP for the DSRCC was submitted for approval in accordance with Conditions C2 and C3 of Schedule 2 of the consent and includes the following sub-plans Unexpected Contamination Procedure (Condition B1). A copy of the CEMP is provided https://www.downergroup.com/management-plans	Compliant

B2	The Applicant must ensure the development does not result in a change of risk in relation to any pre-existing contamination on the site so as to result in significant contamination. *Note: Significant contamination is defined under section 11 of the CLM Act.*	At all Times	There is no indication the development has resulted in a change of risk in relation to any pre-existing contamination. The site was remediated (as indicated in SAS 0552127799) and made suitable for commercial/industrial use. Additional supporting evidence includes: - 29 February 2020, Clyde Western Area Remediation Project Stage 1 – Long Term Environmental Management Plan-Final (Environmental Resources Management Australia Pty Ltd – Updated based on DPIE Review, 29th January 2021), - 29 July 2020, Contamination assessments carried out prior to commencing development and provided to DPIE and approved by DPIE.	Compliant
Air quality				
Dust Minimisation				
B3	The Applicant must take all reasonable steps to minimise dust generated during all works authorised by this consent.	At all Times	Requirement of this condition was integrated in the CEMP under Section 7.2 Risk Assessment, and OEMP under Section 7.4.4 Air Quality management measures. A copy of the CEMP (Rev 4) is provided https://www.downergroup.com/management-plans Additional measures as follows: • Regular inspections completed onsite to ensure compliance to management measures. • Sweeper contracted to control dust on hardstand areas Invoice available upon request available. • Water cart used by site to help control dust.	Compliant
B4	B4. During construction, the Applicant must ensure that: (a) exposed surfaces and stockpiles are suppressed by regular watering or other alternative suppression method. (b) all trucks entering or leaving the site with loads have their loads covered. (c) trucks associated with the development do not track dirt onto the public road network. (d) public roads used by these trucks are kept clean. (e) and land stabilisation works are carried out progressively on site to minimise exposed surfaces.	During Construction	Condition was complied with during construction. This is supported by: - Zero entries in Complaints register, incidents register During construction phase. - Evidence of progressive stabilisation during construction, e.g., progressive erosion and sediment control plans. - Dust Management measures were outlined within the approved Construction Environmental Management Plan (CEMP) Rev 5, 5/02/2021, Downer – Section 7.2 Risk Assessment.	Compliant
Air Quality Discharges - DSRRC				

B5	The Applicant must install and operate equipment in line with best practice to ensure that the development complies with all load limits, air quality criteria/air emission limits and air quality monitoring requirements as specified in the EPL applicable to the DSRRC site.	At all times	Maintenance and inspection records for all plant and equipment kept on file. In addition, Todoroski Air Sciences (21/11/2022) undertook air quality sampling during operation and reported compliance with air quality criteria and implementation of OEMPs air quality mitigation measures. There are also no non-compliances with the EPL reported in the EPA's website for EPL 21611.	Compliant
B6	Driveways and hardstand areas must be swept/cleaned as required by a street sweeper during operations. The street sweeper must be utilised to maintain the sealed surfaces in such a manner that prevents or minimises air pollution.	During Operations	- Monthly Environmental Checklist site inspections records from INX are kept on file. - Invoices can be provided for regular use of street sweeper attending site are kept on file. - Permanent street sweeper also available onsite to ensure compliance.	Compliant
B7	Where possible, all mobile non-road diesel equipment operated at the DSRRC site must achieve a particulate matter emission performance commensurate with US EPA Tier 4 particulate emission standards.	During Operations	Within the Todoroski Air Sciences (21/11/2022) report titled *Air Quality Verification Report Downer Sustainable Road Resource Centre*, the following was noted: "*it was advised that all new equipment purchased meets US EPA Tier 4 particulate emission standards' and that "As all new equipment purchased meets US EPA Tier 4 particulate emission standards, this is considered suitable*". To support compliance with this condition: - Equipment specifications kept on file. - Maintenance records for all plant are kept on file	Compliant
Air Quality Management Plan - DSRRC				

B8	Prior to the commencement of operation of the DSRRC, the Applicant must prepare an Air Quality Management Plan (AQMP) to the satisfaction of the Planning Secretary. The AQMP must form part of the OEMP required by condition C5. The AQMP must: (a) be prepared by a suitably qualified and experienced person(s). (b) be prepared in consultation with the EPA. (c) detail and rank all emissions from all sources of the development, including particulate emissions. (d) describe a program that is capable of evaluating the performance of the operation and determining compliance with key performance indicators, including the prescribed concentrations contained in the Protection of the Environment Operations (Clean Air) Regulation 2010. (e) identify the control measures that will be implemented for each emission source; and (f) nominate the following for each of the proposed controls: i. key performance indicator. ii. monitoring method. iii. location, frequency, and duration of monitoring. iv. record keeping. v. complaints register. vi. response procedures; and vii. compliance monitoring.	Construction	On the 4 February 2022, the DPE approved the Operational Environmental Management Plan (OEMP (Revision 4, dated 25 January 2022)), which included the Air Quality Management Plan, provided in Section 7.4 of OEMP A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
B9	The Applicant must: (a) not commence operation until the AQMP required by condition B8 is approved by the Planning Secretary; and (b) implement the most recent version of the AQMP approved by the Planning Secretary for the duration of the development.	Construction	On the 4 February 2022, the DPE approved the Operational Environmental Management Plan (OEMP (Revision 4, dated 25 January 2022)), which included the Air Quality Management Plan, provided in Section 7.4 of OEMP A copy of the OEMP is provided https://www.downergroup.com/management-plans In addition, Downer conducts: - training personnel on air quality - annual compliance checklists of management practices - regular inspections to ensure no dust is visible beyond boundary - Periodic stack testing - daily checks of weather forecast - visual dust monitoring Copies of these records are kept on file.	Compliant
Air Quality Verification - DSRRC				

B10	An Air Quality Verification Report (AQVR) must be submitted to the EPA and Planning Secretary within three (3) months of the commencement of operation of the DSRRC. The AQVR must: (a) be undertaken in accordance with the Approved Methods for Modelling and Assessment of Air Pollutants in NSW. (b) demonstrate that all reasonable and feasible mitigation measures have been incorporated into the development. (c) reference manufacturer's specifications and/or performance guarantees for the asphalt plant. (d) demonstrate compliance with the prescribed concentrations contained in the Protection of the Environment Operations (Clean Air) Regulation 2010. (e) outline management actions to be taken to address circumstances where the concentrations specified in part d) have been exceeded; and (f) describe the contingency measures and the timing of their implementation in the event the management actions are not effective in reducing the air emissions to an acceptable level.	Operational	Timeline relevant to this condition is as follows: - 12 May 2022 Asphalt plant commenced operation and the Reconomy Facility - 26 July 2022 RAP facility commenced. - 28 July 2022 EPA clarified that the date at which **all** operations at the premises commenced is 26 July 2022. Therefore, the interpretation of the EPL is that the air emissions verification report must be submitted by the 26 October 2022. - 12 November 2022 the AQVR Report was submitted to DPIE. On 15 September 2022 Correspondence from EPA (from Mark Jansons) states EPA did not raise objection to report being submitted on or before 26 October 2022. While an AQVR has been submitted in accordance with this condition, this was done outside of the timeframe specified within the condition. Given that this non-compliance has already been addressed, no action is required to be raised to rectify this non-compliance.	Non-Compliant
Odour Management				
B11	The Applicant must ensure the development does not cause or permit the emission of any offensive odour beyond the boundary of the site (as defined in the POEO Act).	Operational	The Todoroski Air Sciences (21/11/2022) report titled *Air Quality Verification Report Downer Sustainable Road Resource Centre* outlines Downers compliance to this condition. Additional evidence of compliance includes: - Monthly Environmental Checklist site inspections records from INX kept on file. - Zero odour complaints recorded have been recorded relating to the development. A copy of the Complaints Register is available at https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/Downer_Sustainable_Road_Resource_Centre_Complaints_Register_210217.pdf	Compliant
Noise				
Hours of Work				

B12	The Applicant must comply with the hours detailed in Table 1 (refer Table 7.2). *Table 1 Hours of Work* **Activity** / **Day** / **Time** Earthworks and construction / Monday – Friday, Saturday / 7 am to 6 pm, 8 am to 1 pm Operation / Monday – Sunday / 24 hours	Operational	- Operational phase allows for 24/7 operation and is therefore compliant (24/7). - Construction Environmental Management Plan (CEMP) Rev 5, 5/02/2021, Downer – Annex C, Section 6.2.3 addressed the requirement of this condition specifically which pertains to the Hours of Construction.	Compliant
B13	Earthworks and construction work outside of the hours identified in condition B12 may be undertaken in the following circumstances: (a) works do not exceed the noise limits detailed in Table 8 of the Noise and Vibration Impact Assessment, prepared by Muller Acoustic Consulting, dated 17 September 2020; or (b) works agreed to in writing by the Planning Secretary; or I for the delivery of materials required outside these hours by the NSW Police Force or other authorities for safety reasons; or (d) where it is required in an emergency to avoid the loss of lives, property or to prevent environmental harm.	Construction	All works were conducted during stated hours outlined in B12 condition	Not Triggered
Construction Noise Management Plan				
B14	The Applicant must prepare a Construction Noise Management Plan (CNMP) for the development to the satisfaction of the Planning Secretary. The Plan must form part of the CEMP required under condition C2 and must: (a) be prepared by a suitably qualified and experienced acoustic expert. (b) describe procedures for achieving the noise management levels in EPA's Interim Construction NoisI(c) Guideline (DECC, 2009) (as may be updated or replaced from time to time); (d) describe the measures to be implemented to manage high noise generating works such as piling; and (e) include a complaints management system that would be implemented for the duration of the development.	Construction	The Construction Noise Management Plan was approved by DPIE on the 16 February 2021. This plan includes items to address each a-e requirement of the condition: a) Section 1.2.1 b) Section 5 and 6 c) Noted d) Table 5.1 e) Section 6.5 of CNMP and Section 1.4 of CEMP A copy of the CEMP is provided https://www.downergroup.com/management-plans A copy of the Complaints Register is available at https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/Downer_Sustainable_Road_Resource_Centre_Complaints_Register_210217.pdf	Compliant

<table>
<tr><td>B15</td><td>The Applicant must:
(a) not commence construction of any relevant stage until the CNMP required by condition B14 is approved by the Planning Secretary; and
(b) implement the most recent version of the CNMP approved by the Planning Secretary for the duration of construction.</td><td>Construction</td><td>The Construction Noise Management Plan was approved by DPIE on the 16 February 2021.

25 February 2021 construction commenced.

A copy of the CEMP is provided https://www.downergroup.com/management-plans</td><td>Compliant</td></tr>
<tr><td colspan="4">Operational Noise Li–its - DSRRC</td></tr>
<tr><td>B16</td><td>The Applicant must ensure that noise generated by the operation of the DSRRC does not exceed the noise limits in Table 2 (refer Table 7.23).
Table 2 Noise Limits (dB(A))<table><tr><th>Location</th><th>Day $L_{Aeq(15\ minute)}$</th><th>Evening $L_{Aeq(15\ minute)}$</th><th>Night $L_{Aeq(15\ minute)}$</th><th>Night L_{AMax}</th></tr><tr><td>R1A – 72 River Road, Ermington</td><td>30</td><td>30</td><td>33</td><td>52</td></tr><tr><td>R1B – 530 John Street, Rydalmere</td><td>31</td><td>31</td><td>34</td><td>52</td></tr><tr><td>R2A – 86 Carnarvon Street, Silverwater</td><td>34</td><td>34</td><td>37</td><td>53</td></tr><tr><td>R2B – 101 Beaconsfield Street, Silverwater</td><td>36</td><td>35</td><td>38</td><td>53</td></tr><tr><td>R3A – 71 Penelope Lucas Lane, Rosehill</td><td>30</td><td>30</td><td>30</td><td>55</td></tr><tr><td>R3B – 88 James Ruse Drive, Rosehill</td><td>30</td><td>32</td><td>30</td><td>55</td></tr><tr><td>FR01 – 181 James Ruse Drive</td><td>30</td><td>30</td><td>30</td><td>55</td></tr></table>Note Noise generated by the development is to be measured and assessed in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Noise Policy for Industry (as may be updated or replaced from time to time).</td><td>Operational</td><td>28 July 2022 EPA clarified that the date at which all operations at the premises commenced is 26 July 20
- 22.
- The Noise Verification Report submitted 28 October 2022, (MAC NVR dated 31 August 2022) provides a noise monitoring validation result indicating operational activities have been predicted to satisfy the relevant criteria at all assessed receivers</td><td>Compliant</td></tr>
<tr><td colspan="4">Noise Verification Re–ort - DSRRC</td></tr>
</table>

B17	A Noise Verification Report (NVR) must be submitted to the EPA and the Planning Secretary within three months of the commencement of operation of the DSRRC. The NVR must be prepared by a suitably qualified and experienced acoustic consultant and include: (a) an analysis of compliance with noise limits specified in condition B16, undertaken to the satisfaction of the Planning Secretary and in accordance with the Noise Policy for Industry (EPA, 2017). (b) demonstrate that all reasonable and feasible mitigation measures have been incorporated into the developmI. (c) reference manufacturer's specifications and/or performance guarantees for the asphalt plant. (d) an outline of management actions to be taken to where the limits specified in condition B16 have been exceedI and (e) describe the contingency measures and the timing of their implementation in the event the management actions are not effective in reducing the noise impacts to an acceptable level.	Operational	Timeline relevant to this condition is as follows: - 28 July 2022 EPA clarified that the date at which **all** operations at the premises commenced is 26 July 2022. (therefore submission of the NVR was to occur by the 26/10/22) - 28 October 2022 Noise verification report, (MAC NVR dated 31 August 2022) was submitted with correspondence to and from EPA/DPE. The NVR includes: a. Section 7.1 b. Section 7.3 c. Appendix C d. Section 7.5 e. Section 7.5 to meet these Consent requirements While an NVR has been submitted in accordance with this condition, this was done outside of the timeframe specified within the condition. Given that this non-compliance has already been addressed, no action is required to be raised to rectify this non-compliance.	Non-Compliant
Road Traffic Noise				
B18	The Applicant must prepare a Driver Code of Conduct and induction training for the development to minimise road traffic noise. The Code is to be incorporated into the CEMP required under condition C2 and the OEMP required under condition C5.	Operational	- The Driver Code of Conduct was incorporated in the CEMP under Annex F CTPMP. - The Driver Code of Conduct was incorporated in the OEMP under Annex D. A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	Compliant
Soils, water quality and hydrology				
Imported Soil				
B19	The Applicant must: (a) ensure that only VENM, ENM, or other material approved in writing by the EPA, or the Site Auditor is brought onto the site during construction. (b) keep accurate records of the volume and type of fill to be Id; and (c) make these records available to the Planning Secretary upon request	Construction	- No VENM, ENM or other unapproved material was brought onto the Downer controlled site during construction. This was communicated to and managed by civil contractor 'Robson's' during construction.	Not Triggered

			- Outlined within Approved CEMP, and "*Clyde Western Area Remediation Project Stage 1 – Long Term Environmental Management Plan*" 29/01/2021.	
Erosion and Sediment Control				
B20	Prior to the commencement of any construction or other surface disturbance the Applicant must install and maintain suitable erosion and sediment control measures on-site, in accordance with the relevant requirements of the Managing Urban Stormwater: Soils and–Construction - Volume 1: Blue Book (Landcom, 2004) guideline and the Erosion and Sediment Control Plan included in the CEMP required by condition C2.	Construction	This was complied with during the construction period, with management measures implemented outlined within the Construction Environmental Management Plan (CEMP) Rev 5, 5 February 2021, Downer – Section 7.2 and Annex H CEMP – Construction Erosion and Sediment Control Plan. A copy of the CEMP is provided https://www.downergroup.com/management-plans	Compliant
Discharge Limits				
B21	The development must comply with section 120 of the POEO Act, which prohibits the pollution of waters, except as expressly provided for in an EPL.	At All Times	The requirement under this condition were incorporated into the CEMP, and now into the Operational Environmental Management Plan (OEMP) Rev 5, 14 February 2023, Downer – Section 7.7.3, Table 7.21. In addition: - Water Sampling has been conducted onsite to ensure compliance. - Monthly Environmental Site Inspections have been completed. - As a Requirement of the EPL, site personnel have to be inducted to the Site's Pollution Response Management Plan. A copy of the PIRMP is available on the DSRRC Website https://www.downergroup.com/Content/cms/Documents/Pollution_Incident_Management_Plans/Pollution_Incident_Response_Management_Plan_-_Rosehill_-_Apr_2023.pdf	Compliant
Stormwater Management System - DSRRC				
B22	Prior to the commencement of operation of the DSRRC, the Applicant must design, install and operate a stormwater management system for the development. The system must: (a) be designed by a suitably qualified and experienced person(s); (b) be generally in accordance with the conceptual design in the EIS and Response to Submissions. (c) be in accordance with applicable Australian Standards.	Construction	- Costin Roe Consulting's Civil Design Certification dated 22/2/2022 certified that the civil engineering design has been completed in accordance with SSD10459 including Condition B22 and B36 and the City of Parramatta Council Development Engineering Standards. - The Occupation Certificate No. 201700/03 certifies the construction of the DSRRC with reference to SSC-10459 - As-Built Drawings 3006 & 3007, Robson Civil Projects provide details of built stormwater	Compliant

	(d) ensure that the system capacity has been designed in accordance with Australian Rainfall and Runoff (Engineers Australia, 2016) and Managing Urban Stormwater: Council Handbook (EPA, 1997) guidelines. (e) and divert clean surface water around operational areas of the site.		- The requirement under this condition is also incorporated in the Operational Environmental Management Plan (OEMP) Rev 5, 14 February 2023, Downer – Section 7.7.3, Table 7.21	
Flood Management				
B23	Prior to the commencement of construction, the Applicant must prepare a Flood Emergency Response Plan (FERP). The FERP must form part of the CEMP and OEMP required by conditions C2 and C5 and must: (a) be prepared by a suitably qualified and experienced person(s); (b) address the provisions of the Floodplain Development Manual (2005) and any relevant guidelines. (c) be prepared in consultation with the State Emergency Service. (d) include details of: i. the flood emergency responses for both construction and operation phases of the development. ii. predicted flood levels. iii. flood warning time and flood notification. iv. assembly points and evacuation routes. v. evacuation and refuge protocols; and vi. awareness training for employees and contractors.	Construction	A Flood Emergency Response Plan Rev 2 dated 3/02/2021 (FERP) was prepared and incorporated in the CEMP which was approved by DPE in correspondence dated 16/02/2021 A copy of the FERP is provided https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/PR122_Stage_1_CEMP-Annex_F_LMP_Final_210202.pdf In addition, on 5 April 2022 Modular Systems (Aust.) Pty. Ltd DPE regarding commencement of operations and that Conditions A23 and A24 were in accordance with the drawings and specification	Compliant
B24	The Applicant must: (a) not commence construction until the FERP required by condition B23 is submitted to the Planning Secretary for information purposes; and (b) implement the most recent version of the FERP for the duration of the development	Construction	In compliance with this, a Flood Emergency Response Plan Rev 2 dated 3/02/2021 (FERP) was prepared and incorporated in the CEMP which was approved by DPE in correspondence dated 16/02/2021. On the 25 February 2021 construction commenced. Measures of this plan have been incorporated into the development as can be seen in site documentation.	Compliant
B25	All habitable building floor levels must be no lower than the 1% Annual Exceedance Probability flood plus 500 mm of freeboard.	Construction	A Flood Emergency Response Plan Rev 2 dated 3/02/2021 (FERP) has been developed for the development. This document indicates the 1% AEP is 3.93m AHD meaning the required Building Floor Level would be 4.43m AHD. Copies of the Costin Roe Consulting Pty Final Surface Level Confirmation drawings on file show ground levels. Visual site	Compliant

			inspections also show buildings built at required height above documented ground level. Additional evidence on file: - 17 February 2022; Letter; Costin Roe Consulting Pty Ltd to Downer; Provided Structural Design Certification to the Building Code of Australia and Australian Standards. - 23 February 2022. Letter; Costin Roe Consulting Pty Ltd to Downer; Provided Structural Construction Certification to the Building Code of Australia and Australian Standards - 17 May 2027 Mckenzie Group issued Occupation Certificate No. 201700/03	
B26	All structures that are built below the 1% Annual Exceedance Probability flood must be constructed from flood compatible building components to ensure structural stability during a flood event.	Construction	A Flood Emergency Response Plan Rev 2 dated 3/02/2021 (FERP) has been developed for the development. This document indicates the 1% AEP is 3.93m AHD meaning the required Building Floor Level would be 4.43m AHD. Copies of the Costin Roe Consulting Pty Final Surface Level Confirmation drawings on file show ground levels. Visual site inspections also show buildings built at required height above documented ground level. Additional evidence on file: - 17 February 2022; Letter; Costin Roe Consulting Pty Ltd to Downer; Provided Structural Design Certification to the Building Code of Australia and Australian Standards. - 23 February 2022. Letter; Costin Roe Consulting Pty Ltd to Downer; Provided Structural Construction Certification to the Building Code of Australia and Australian Standards - 17 May 2022 Mckenzie Group issued Occupation Certificate No. 201700/03	Compliant
Surface Water Management Plan - DSRRC				
B27	Plan (SWMP) to the satisfaction of the Planning Secretary. The SWMP must form part of the OEMP required by condition C5. The SWMP must: (a) be prepared by a suitably qualified and experienced person(s); (b) be prepared in consultation with the EPA.	Construction	The Operational Environmental Management Plan (OEMP) Rev 5, 14/02/2023, Section 7.7; outlines the Surface Water Management Plan (SWMP) for the site, which has been prepared in compliance to condition. The SWMP includes: a. Section 7.7.1	Compliant

	(c) characterise the expected quality of discharges in terms of the typical and maximum concentrations of all pollutants likely to be present at non-trivial levels. (d) contain a program to monitor surface water quality. (e) include surface water impact assessment criteria, including trigger levels for investigating any potential adverse surface water impacts. (f) include a protocol for investigation and mitigation where surface water impact assessment criteria is exceeded; and (g) contain an ongoing maintenance program to ensure the entire surface water management infrastructure continues to operate and perform as designed.		b. Section 2.2 c. Section 7.7.2 d. Section 7.7.5 e. Section 7.7.2 and 7.7.5 f. Section 7.7.5 g. Section 7.7.4 DPE approval of OEMP Rev 4 and Surface Water Management Plan in correspondence dated 4/02/2022, prior to commencement of operation. A copy of the OEMP is provided https://www.downergroup.com/management-plans	
B28	The Applicant must: (a) not commence operation until the SWMP required by condition B27 is approved by the Planning Secretary; and (b) implement the most recent version of the SWMP approved by the Planning Secretary for the duration of the development.	Construction	DPE approval of OEMP Rev 4 and Surface Water Management Plan in correspondence dated 4/02/2022, prior to commencement of operation on 12/05/22 A copy of the OEMP is provided https://www.downergroup.com/management-plans Requirements of this plan have been implemented onsite.	Compliant
Surface Water Verification Report - DSRRC				
B29	A Surface Water Verification Report (SWVR) must be submitted to the Planning Secretary and the EPA within eighteen (18) months (or as otherwise agreed by the Planning Secretary) of the commencement of all operations associated with the DSRRC. The SWVR must: (a) include an analysis of compliance with the maximum concentrations identified under condition B27(c) undertaken to the satisfaction of the Planning Secretary. (b) demonstrate that all reasonable and feasible mitigation measures have been incorporated into the development. (c) reference manufacturer's specifications and/or performance guarantees. (d) an outline of management actions to be taken to address any exceedances of the maximum concentrations identified under condition B27; and (e) describe the contingency measures and the timing of their implementation in the event the management actions are not effective in reducing water quality impacts to an acceptable level.	Operational	Not yet triggered, Due 12/11/2023.	Not Triggered
TRAFFIC AND ACCESS				
Construction Traffic and Pedestrian Management Plan				

B30	Prior to the commencement of construction, the Applicant must prepare a Construction Traffic and Pedestrian Management Plan (CTPMP) for the development to the satisfaction of the Planning Secretary. The CTPMP must form part of the CEMP required by condition C2 and must: (a) be prepared by a suitably qualified and experienced person(s), (b) be prepared in consultation with TfNSW. (c) detail the measures that are to be implemented to ensure road safety, network efficiency and pedestrian movements during construction. (d) detail heavy vehicle routes, access and parking arrangements. (e) include a Driver Code of Conduct to: i. minimises the impacts of earthworks and construction on the local and regional road network; ii. minimise conflicts with other road users. iii. minimise road traffic noise; and iv. ensure truck drivers use specified routes. (f) include a program to monitor the effectiveness of these measures; and (g) if necessary, detail procedures for notifying residents and the community (including local schools), of any potential disruptions to routes.	Construction	The CTPMP was prepared and approved by the Department on 16/02/2021 prior to the commencement of construction. The CTMP Includes: a. Section 1 b. Section 3.3 c. Section 7, Appendix A and B d. Section 5.3, 7.4, 7.5 and Annex B e. Appendix B f. Section 8 g. Section 7.10 As evidenced by letter sent on 15 December 2020 ; Feedback was requested from Transport for NSW (TfNSW). This was incorporated into the Response to Submissions completed. Construction Environmental Management Plan (CEMP) Rev 5, 5 February 2021, Downer – Annex E a copy of the CTPMP is provided. https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/PR122_Stage_1_CEMP-Annex_E_CTPMP_Final_210205.pdf	Compliant
B31	The Applicant must: (a) not commence construction until the CTPMP required by condition B30 is approved by the Planning Secretary; and (b) implement the most recent version of the CTPMP approved by the Planning Secretary for the duration of construction.	Construction	As per the above condition, The CTPMP was prepared and approved by the Department on 16/02/2021 prior to the commencement of construction. Requirements of this plan were adhered to during construction.	Compliant
Roadworks and Access				
New Access Road – Stage 3				
B32.	Prior to the issue of a Subdivision Works Certificate for Stage 3, detailed engineering plans of the new access road, proposed as part of Stage 3 are to be submitted to Council's Traffic and Transport Manager for consideration by the Parramatta Traffic Committee and approval by Council. The construction of the proposed road is to be carried out by the Applicant with all associated costs to be paid for by the Applicant.	Pre-Construction	The new Access Road – Stage 3 - to the CSIE site is not within the DSRRC. Subdivision works and activities undertaken by the Applicant VE Property Pty Ltd This area is to remain part of the Clyde Terminal and will retain its existing landform with stormwater flows being managed through the terminal's existing wastewater management plant in line with the conversion project (SSD-5147) and EPL 570. (Landform Plan	Not Triggered

			Modification; Clyde Western Area Remediation Project, AECOM 28 Oct 2022).	
B33.	Prior to the release of the Subdivision Certificate for Stage 3, the Applicant must complete the construction of the access road described in condition B32 to the satisfaction of the relevant roads' authority. The Applicant must obtain approval for the works under section 138 of the Roads Act 1993.	Pre-Construction	The new Access Road – Stage 3 - to the CSIE site is not within the DSRRC. Subdivision works and activities undertaken by the Applicant VE Property Pty Ltd This area is to remain part of the Clyde Terminal and will retain its existing landform with stormwater flows being managed through the terminal's existing wastewater management plant in line with the conversion project (SSD-5147) and EPL 570. (Landform Plan Modification; Clyde Western Area Remediation Project, AECOM 28 Oct 2022).	Not Triggered
B34.	Prior to any dedication, the Applicant must ensure that the construction of the road has been completed to the satisfaction of the relevant roads authority.	Pre-Construction	The new Access Road – Stage 3 - to the CSIE site is not within the DSRRC. Subdivision works and activities undertaken by the Applicant VE Property Pty Ltd This area is to remain part of the Clyde Terminal and will retain its existing landform with stormwater flows being managed through the terminal's existing wastewater management plant in line with the conversion project (SSD-5147) and EPL 570. (Landform Plan Modification; Clyde Western Area Remediation Project, AECOM 28 Oct 2022).	Not Triggered
Parking – DSRRC				
B35.	The Applicant must provide sufficient parking facilities on-site for the DSRRC, including for heavy vehicles and for site personnel, to ensure that traffic associated with the development does not utilise public streets.		The approved Operational Environmental Management Plan (OEMP), Section 7.3 table 7.2, and section 2, Table 2 and Annex B Site Layout – shows that there is sufficient parking facilities on site for DSRRC during operation. A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
Operating Conditions - DSRRC				
B36	The Applicant must ensure at the DSRRC that: (a) internal roads, driveways and parking (including grades, turn paths, sight distance requirements, aisle widths, aisle lengths and parking bay dimensions) associated with the development are constructed and maintained in accordance with the latest version of AS 2890.1:2004 Parking facilities Off-street car parking (Standards Australia, 2004), AS 2890.2:2018 Parking facilities Off-street commercial vehicle facilities (Standards Australia, 2018) and AS 2890.6.2009 Parking facilities Off-street parking for people with disabilities (Standards Australia, 2009) (b) the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the	Operation	Costin Roe Consulting's Civil Design Certification dated 22/2/2022 certified that the civil engineering design has been completed in accordance with SSD10459 including Condition B22 and B36 and the City of Parramatta Council Development Engineering Standards. The OEMP and Annex B provides a site layout that addresses the requirements under this condition. A copy of the Stamped Plans are available on https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/SSD-10459_Stamped_Plans_PART_1_and_2.pdf	Compliant

	site, is in accordance with the relevant AUSTROADS guidelines. (c) the development does not result in any vehicles queuing on the public road network. (d) heavy vehicles and bins associated with the development are not parked on local roads or footpaths in the vicinity of the site. (e) all vehicles are wholly contained on site before being required to stop. (f) all loading and unloading of materials is carried out on-site; (g) all trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network; and (h) the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times.		- High Level Design Review 30.0m B-Double Swept Path Drawings are kept on file. - Downer Operational Traffic Management Plan (SRRC-PLA-0001, 3.0) is kept on file. A copy of the OEMP is provided https://www.downergroup.com/management-plans	
HAZARDS AND RISK – DSRRC				
B37	Dangerous goods, as defined by the Australian Dangerous Goods Code, must be stored and handled strictly in accordance with: (a) all relevant Australian Standards. (b) for liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and (c) the Environment Protection Manual for Authorised Officers: Bunding and Spill Management – technical bulletin (EPA, 1997). In the event of an inconsistency between the requirements of part (a) to (c), the most stringent requirement must prevail to the extent of the inconsistency.	Operational	Downer has a number of controls in place to ensure compliance with this condition. These are outlined within the OEMP approved by DPIE. A copy of the OEMP is provided https://www.downergroup.com/management-plans The Occupation Certifiacte, 17 May 2022 Mckenzie Group also confirms construction-built areas accordingly. Downer also has developed a Manifest Site Plan dated 15/11/2021 with location of DG Depots (19 depots located on site).	Compliant
B38	The development must not result in the non-compliance of any existing dangerous goods fuel and gas pipelines in accordance with AS2885 Pipelines – Gas and Liquid Petroleum.	Operational	No existing dangerous goods fuel and gas pipelines were impacted to result in non-compliance during development. Additional evidence includes: - 23 November 2021, NSW Fair Trading Certificate of Compliance for new Natural Gas compliance with AS5601 and AS4041 was issued to Byrne Pipe and Civil. - ND, DocuSign Envelope, Origin Gas Sale Agreement (Agreement Number: 1547837) Estimated supply date - AS2885 Pipelines – Gas and Liquid Petroleum not required.	Not Triggered
Aboriginal Heritage				
Unexpected Finds Protocol				

B39	If any item or object of Aboriginal heritage significance is identified on site: (a) all work in the immediate vicinity of the suspected Aboriginal item or object must cease immediately. (b) a 10 m wide buffer area around the suspected item or object must be cordoned off; and (c) Heritage NSW must be contacted immediately.	Construction	The approved Construction Environmental Management Plan (CEMP)– Annex G included a Contingency Management Plan which could be implemented if required. However, there are no Records of unexpected heritage finds and related actions to date.	Not Triggered
B40	Work in the immediate vicinity of the Aboriginal item or object may only recommence in accordance with the provisions of Part 6 of the National Parks and Wildlife Act 1974.	Construction	The approved Construction Environmental Management Plan (CEMP)– Annex G included a Contingency Management Plan which could be implemented if required. However, there are no Records of unexpected heritage finds and related actions to date.	Not Triggered
Historic Heritage				
Unexpected Finds Protocol				
B41	If any archaeological relics are uncovered during the course of the work, then all works must cease immediately in that area. Unexpected finds must be evaluated and recorded and, if necessary, excavated by a suitably qualified and experienced expert in accordance with the requirements of Heritage NSW.	Construction	A letter received 22 September 2020 from the Heritage Council of NSW commented that there is little to no potential for archaeological relics s stated in the EIS. The approved Construction Environmental Management Plan (CEMP)– Annex G included a Contingency Management Plan which could be implemented if required. However, there are no Records of unexpected heritage finds and related actions to date.	Not Triggered
WASTE MANAGEMENT				
Waste Monitoring Program – DSRRC Site				
B42	From the commencement of operation of the DSRRC, the Applicant must implement a Waste Monitoring Program for the development. The program must: (a) be prepared by a suitably qualified and experienced person(s) prior to the commencement of operation. NSW Government 16 Central Sydney Industrial Estate and Downer Sustainable Road Resource Centre Department of Planning, Industry and Environment (SSD-10459) (b) include suitable provision to monitor the: i. quantity, type and source of waste received on site; and ii. quantity, type and quality of the outputs produced on site; and (c) ensure that:	Operational	A Waste Monitoring Program is incorporated into the approved OEMP under Section 7.6 and includes the following which indicates compliance to condition: a. Section 7.6 b. i. Section 7.6.1 b. ii. Section 7.6.2 c. i. Section 7.6.1 c. ii. Section 8.3 A copy of the OEMP is provided https://www.downergroup.com/management-plans In addition, waste is also regulated by the site EPL 21611. All waste received on site (identified in the OEMP and EPL 21611) and removed from site are weighted on the site weighbridges. All vehicles are directed to the weighbridges upon arrival or	Compliance

	i. all waste that is controlled under a tracking system, has the appropriate documentation prior to acceptance at the site; and ii. staff receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste including asbestos.		departure. Records are kept electronically in Downer's tracking system. Personnel training is also provided (refer to ConditionA20) and Downer sends notification to all customer indicating that the site does not accept material with asbestos, PFAS and ASS.	
Waste Processing and Storage				
B43	The Applicant must unload all waste received at the site within the designated waste unloading areas.	Operational	The OEMP identifies designated waste unloading areas and management of waste unloading. The OEMP also includes the operational procedures in place to ensure compliance with condition.	Compliance
B44	All waste processing must be undertaken within designated areas.	Operational	The OEMP identifies designated waste processing areas. The OEMP also includes the operational procedures in place to ensure compliance with condition.	Compliance
Waste Management Plan – DSRRC				
B45	Prior to the commencement of operation of the DSRRC, the Applicant must prepare a Waste Management Plan (WMP) for the development to the satisfaction of the Planning Secretary. The WMP must form part of the OEMP required under condition C5. The WMP must: (a) detail the type and quantity of waste to be generated during operation of the development. (b) describe the handling, storage and disposal of all waste streams generated on site, consistent with the Protection of the Environment Operations Act 1997, Protection of the Environment Operations (Waste) Regulation 2014 and the Waste Classification Guideline (EPA, 2014); (c) detail the materials to be reused or recycled, either on or off site; and (d) include the Management and Mitigation Measures included in Appendix 2.	Operational	On the 4 February 2022, DPE acknowledged and approved the Operational Environmental Management Plan (OEMP), which includes the Waste Management Plan (WMP). In particular, the WMP includes. a. Section 7.5.3 b. Section 7.5.2, 7.5.4 and 7.5.5 c. Section 7.5.3 d. Section 7.5.2 A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliance
B46	The Applicant must: (a) not commence operation until the WMP is approved by the Planning Secretary. (b) implement the most recent version of the WMP approved by the Planning Secretary.	Construction	On the 4 February 2022, prior to operation commencement, the DPE acknowledged and approved the Operational Environmental Management Plan (OEMP), which includes the Waste Management Plan (WMP). A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
Statutory Requirements				

B47	All waste materials removed from the site must only be directed to a waste management facility or premises lawfully permitted to accept the materials.	Operational	The Operational Environmental Management Plan (OEMP) – Section 7.5 Waste Management, outlines how the site manages waste streams. Both Liquid and Non-liquid waste generated from spills are directed to a landfill/resource recovery facility licensed to receive such material. Invoices and weighbridge dockets kept on file regarding waste disposal.	Compliant
B48	The Applicant must assess and classify all liquid and non-liquid wastes to be taken off site in accordance with the latest version of EPA's Waste Classification Guidelines Part 1: Classifying Waste (EPA, 2014) and dispose of all wastes to a facility that may lawfully accept the waste.	Operational	The Operational Environmental Management Plan (OEMP) – Section 7.5 Waste Management, outlines how the site manages waste streams. Both Liquid and Non-liquid waste generated from spills are directed to a landfill/resource recovery facility licensed to receive such material. Invoices and weighbridge dockets kept on file regarding waste disposal.	Compliant
B49	The Applicant must retain all sampling and waste classification data for the life of the development in accordance with the requirements of the EPA.	Operational	The Operational Environmental Management Plan (OEMP) – Section 7.5 Waste Management, outlines how the site manages waste streams. In addition, Downer conducts all sampling in accordance with its approvals and EPA requirements. Procedures in place outline sampling process, and results kept on file. Waste records are all stored electronically.	Compliant
Pests, vermin, and priority weed management				
B50	The Applicant must: (a) implement suitable measures to manage pests, vermin and declared priority weeds on the site; and (b) inspect the site on a regular basis to ensure that these measures are working effectively, and that pests, vermin or priority weeds are not present on site in sufficient numbers to pose an environmental hazard or cause the loss of amenity in the surrounding area. Note: For the purposes of this condition, priority weed has the same definition of the term in the Biosecurity Act 2015.	Operational	The Operational Environmental Management Plan (OEMP) - Section 10.1 and Table 7.12 Waste Management outline compliance to this condition. In addition; - Invoiced Records of weed management contractors kept on file. - Monthly Environmental site inspections are completed. - Flick Pest Control Inspection every 6 months, Invoices kept on file.	Compliant
VISUAL AMENITY				

Landscaping				
B51	Prior to the commencement of construction, the Applicant must prepare a Landscape Management Plan (LMP) to manage the revegetation and landscaping works on-site, to the satisfaction of the Planning Secretary. The LMP must form part of the OEMP required under condition C5. The LMP must: (a) detail the species to be planted on-site, using only locally native species. (b) describe the monitoring and maintenance measures to manage revegetation and landscaping works; and (c) be consistent with the Applicant's Management and Mitigation Measures at Appendix 2.	Construction	The Operational Environmental Management Plan (OEMP) includes the Landscape Management Plan (LMP) in Annex E. This was approved by the Department on 19/02/2021 prior to the construction (25/02/2021) that includes relevant sections: a. Section 3 b. Section 4 c. Section 7 A copy of the OEMP is provided https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/PR122_Stage_1_CEMP-Annex_F_LMP_Final_210202.pdf	Compliant
B52	The Applicant must: (a) not commence construction until the LMP is approved by the Planning Secretary. (b) must implement the most recent version of the LMP approved by the Planning Secretary; and NSW Government 17 Central Sydney Industrial Estate and Downer Sustainable Road Resource Centre Department of Planning, Industry and Environment (SSD-10459) (c) maintain the landscaping and vegetation on the site in accordance with the approved LMP required by condition B51 for the life of the development.	Construction	The Operational Environmental Management Plan (OEMP) includes the Landscape Management Plan (LMP) in Annex E. This was approved by the Department on 19/02/2021 prior to the construction (25/02/2021) A copy of the OEMP is provided https://www.downergroup.com/management-plans Site inspection confirm maintenance of landscaping and vegetation in line with LMP as evidenced with invoices of ongoing maintenance.	Compliant
B53	Prior to services installation works commencing within Devon Street, the Applicant is to engage an AQF Level 5 Arborist to prepare a: (a) Tree Protection Plan and Tree Management Specification to incorporate specific tree protection measures to the street trees located along Devon Street in accordance with AS4970-2009 (Protection of Trees on Development Sites); and (b) Tree Removal Plan for any trees proposed to be removed. In the event that street trees are required to be removed on Devon Street, replacement street trees are to be provided in consultation with Council.	Prior to installation of services	The approved Landscaping plan in Appendix L of the EIS was completed by a qualified person, and outlines the entire landscaping of the development, including trees to be removed, planted and how to manage, this was included into the OEMP. A copy of the OEMP is provided https://www.downergroup.com/management-plans There were no trees onsite to be removed as part of subdivision works within the DSRRC Area. Subdivision works and activities are undertaken by the Applicant VE Property Pty Ltd	Compliant
Lighting				
B54	The Applicant must ensure the lighting associated with the development: (a) complies with the latest version of AS 4282-2019 - Control of the obtrusive effects of outdoor lighting (Standards Australia, 2019); and	Operational	Stantec Electrical Design Certificate, Ref: 48077, dated 19/2/2021 certification of compliance with AS4282:2019. In addition, all lighting is mounted, screened and directed as to not create nuisance to surrounding properties, the public road network or the riparian corridor/Duck River.	Compliant

	(b) is mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties, the public road network or the riparian corridor / Duck River.			
Signage and fencing				
B55	All signage and fencing must be erected in accordance with the development plans referenced in Appendix 1. Note: This condition does not apply to temporary construction and safety related signage and fencing.	Operational	All fencing installed as per development plans.	Compliant
PART C ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING				
Environmental management				
Management Plan Requirements				
C1	Management plans required under this consent must be prepared by a suitably qualified and experienced person/s in accordance with relevant guidelines, and include:	Operational	The Construction Environmental Management Plan (CEMP) and Operational Environmental Management Plan (OEMP) were developed by suitably qualified persons and subsequently approved by the DPE. A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	Compliant
C1(a)	(a) details of: i. the relevant statutory requirements (including any relevant approval, licence or lease conditions); ii. any relevant limits or performance measures and criteria; and iii. the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures;	Operational	These requirements are included in the approved OEMP and: - Section 1 of CEMP, Section 1 of the CTPMP (Annex E) and Section 1.2 of LMP (Annex F) - i. Section 5 of CEMP, Section 3.2 of CNMP (Annex C), Section 7.2 of CTPMP (Annex E), and Section 8.3 of LMP (Annex F) - ii. Section 7.2 CEMP, and Section 3.2 of CNMP (Annex C) - iii. Section 7.2 of CEMP, Annex G Section 3.2 of the CNMP (Annex C) and Section 6.3 of the FERP (Annex D - Performance evaluation criteria is written into applicable sections with the OEMP A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	Compliant
C1(b)	(b) details of site-specific training to be provided to construction and operation personnel to ensure compliance with the plans;	Operational	These requirements are included in the approved OEMP and - Section 8 of CEMP, - Section 6.2 of CNMP (Annex C), - Section 6.3.3 of FERP (Annex D), and - Section 8 of CTPMP (Annex E) Also refer to Condition A20 for further evidence.	Compliant

C1(c)	(c) a description of the measures to be implemented to comply with the relevant statutory requirements (including any relevant conditions under SSD-9302), limits, or performance measures and criteria;	Operational	These requirements are included in the OEMP, specifically in - Annex F and Section 7.2 of CEMP, - Annex G, Section 5 and 6 of CNMP (Annex C), - Section 6 of FERP (Annex D), - Section 7 and Appendix A and B of CTPMP (Annex E) - Section 3, 4, 5 and 6 of the LMP (Annex F) A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	Compliant
C1(d)	(d) a program to monitor and report on the: i. impacts and environmental performance of the development; and	Operational	These requirements are included in the approved OEMP and: - Section 10 of CEMP, - Annex G Section 6 of CNMP, (Annex C) - Section 4 and 6 of FERP (Annex D) - Section 8 and Appendix B of CTPMP (Annex E) - Section 7 of LMP (Annex F) A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	Compliant
C1(d)	ii. effectiveness of the management measures set out pursuant to paragraph (c) above;	Operational	These requirements are included in the approved OEMP and: - Section 10 of CEMP, - Annex G, Section 6 of CNMP (Annex C), - Section 4 and 6 of FERP (Annex D), - Section 8 and Appendix B of CTPMP (Annex E), and - Section 7 of LMP (Annex F) A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	Compliant
C1(e)	(e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;	Operational	These requirements are included in the approved OEMP and: - Annex G, Section 6 of CNMP (Annex C), - Section 8 and Appendix B of CTPMP (Annex E) A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	Compliant

C1(f)	(f) a program to investigate and implement ways to improve the environmental performance of the development over time;	Operational	These requirements are included in the approved OEMP and: - Section 10 of CEMP, - Section 6 of CNMP (Annex C), and Section 8 and - Appendix B of CTPMP (Annex E) A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	Compliant
C1(g)	(g) a protocol for managing and reporting any: i. incident and any non-compliance (specifically including any exceedance of the impact assessment criteria and performance criteria);	Operational	These requirements are included in the approved OEMP and - Section 10.3 of CEMP, - Section 6 of CNMP (Annex C), and - Appendix B of CTPMP (Annex E) A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	Compliant
C1(g)	ii. complaint;	Operational	These requirements are included in the approved OEMP and - Section 10.6 of CEMP, - Section 6 of CNMP (Annex C) A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans In addition, A copy of the Complaints Register is available at https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/Downer_Sustainable_Road_Resource_Centre_Complaints_Register_210217.pdf	Compliant
C1(g)	iii. failure to comply with statutory requirements; and	Operational	These requirements are included in the approved OEMP and - Section 10.4 of CEMP, - Section 6 of CNMP (Annex C) A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	Compliant
C1(h)	(h) a protocol for periodic review of the plan.	Operational	These requirements are included in the approved OEMP and - Section 11of CEMP,	Compliant

	Note: The Planning Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans		- Section 6.8 of CNMP (Annex C), - Section 6.3.4 of FERP (Annex D), - Section 8 of CTPMP (Annex E) and - Section 7 of LMP (Annex F) A copy of the CEMP and OEMP is provided https://www.downergroup.com/management-plans	
CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN				
C2	The Applicant must prepare a Construction Environmental Management Plan (CEMP) in accordance with the requirements of condition C1 and to the satisfaction of the Planning Secretary.	Construction	On the 16 February 2021 DPE approved CEMP and associated sub plans to the satisfaction with requirements of conditions C2 and C3. "*The Department has carefully reviewed the documents and is satisfied they address the requirements of Condition C2 and C3 for the DSRRC works only."* Construction Environmental Management Plan (CEMP) Rev 5, 5/02/2021, Downer, was prepared in accordance with C1 and approved.	Compliant
C3	As part of the CEMP required under condition C2 of this consent, the Applicant must include the following: (a) Construction Traffic and Pedestrian Management Plan (see condition B30); (b) Erosion and Sediment Control Plan. (c) Construction Noise Management Plan (see condition B14); (d) Community Consultation and Complaints Handling; and (e) Flood Emergency Response (see condition B23).	Construction	On the 16 February 2021 DPE approved CEMP and associated sub plans to the satisfaction with requirements of conditions C2 and C3. Construction Environmental Management Plan (CEMP) Rev 5, 5/02/2021, Downer, CEMP includes: a) Annex E of CEMP – Construction Traffic and Pedestrian Management Plan (CTPMP) Rev 1, 1/02/2021, Element Environment b) Annex H Construction Erosion and Sediment Control Plan Rev F, 30/11/2020 c) Annex C Construction Noise Management Plan (CNMP) Rev 1 1/02/2021, Element Environment d) Section 9.2, 10.4 e) Annex D Flood Emergency Response Rev 2, 3/02/2021 A copy of the CEMP is provided https://www.downergroup.com/management-plans	Compliant
C4	The Applicant must: (a) not commence construction of the development until the CEMP is approved by the Planning Secretary and provided to the EPA; and	Construction	On the 16 February 2021, DPE approved CEMP and associated sub plans via correspondence, prior to construction. On the 12 February 2021 Letter was provided to DPE notifying of construction commencement date of – 25 February 2021	Compliant

	(b) carry out the construction of the development in accordance with the CEMP approved by the Planning Secretary and as revised and approved by the Planning Secretary from time to time.			
OPERATIONAL ENVIRONMENTAL MANAGEMENT PLAN – DSRRC				
C5	The Applicant must prepare an Operational Environmental Management Plan (OEMP) for the DSRRC site in accordance with the requirements of condition C1, in consultation with the EPA and to the satisfaction of the Planning Secretary.	Operational	On the 4 February 2022 DPE acknowledged the Operational Environmental Management Plan (OEMP (Revision 4, dated 25 January 2022)) was submitted in accordance with Condition C5 of Schedule 2 of the consent for the Central Sydney Industrial Estate (CSIE) and Downer Sustainable Road Resource Centre (DSRRC) (SSD-10459). A copy of the OEMP is provided https://www.downergroup.com/management-plans On the 9 December 2021, the EPA responded was consulted and provided comment on OEMP.	Compliant
C6 (a)	As part of the OEMP required under condition C5 of this consent, the Applicant must include the following: (a) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development; (b) And management of the development	Operational	This is outlined within the OEMP: - Annex G – Site Roles and Responsibilities A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(c)	(c) describe the procedures that would be implemented to: i. keep the local community and relevant agencies informed about the operation and environmental	Operational	This is outlined within the OEMP: - Section 9 and 10.3. A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(c) ii.	ii. receive, handle, respond to, and record complaints;	Operational	This is outlined within the OEMP: - Section 10.4. A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(c) iii	iii. resolve any disputes that may arise;	Operational	This is outlined within the OEMP:	Compliant

			- Section 10.4.3 A copy of the OEMP is provided https://www.downergroup.com/management-plans	
C6(c) iv.	iv. respond to any non-compliance;	Operational	This is outlined within the OEMP: - Section 10.3. A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(c) v.	v. responds to emergencies; and	Operational	This is outlined within the OEMP: - Section 10.3 of OEMP & Annex K A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(d) i.	describe: i. how the DSRRC will ensure compliance with any relevant statutory obligations;	Operational	This is outlined within the OEMP: - Annex A and Section 5 & 7 - 7.3 A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(d) ii.	ii. the processes involved for each aspect of operation including processes for each of the individual facilities;	Operational	This is outlined within the OEMP: - Annex I - process figures and Section 6 &7 of OEMP A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(d) iii	iii. how each of the facilities interrelate and how they will be managed in concert with one another during operation; and	Operational	This is outlined within the OEMP: - Section 6, 7.4.4, 7.4.5 A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant

C6(d) iv	iv. how the operation will be managed in concert with any relevant conditions under SSD-9302 and any other relevant planning or licensing conditions related to the premises;	Operational	This is outlined within the OEMP: - Section 2.2 A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(e)	include the following environmental management plans or codes:	Operational	This is outlined within the OEMP, as evidenced on 4 February 2022, where DPE provided a letter stating satisfaction with requirements of condition C5 including. • Air Quality Management Plan (Condition B8) • Driver Code of Conduct (Condition B18) • Flood Emergency Response Plan (Condition B23) • Surface Water Management Plan (Condition B27 Waste Management Plan (Condition B45). A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(e) i.	i. Air Quality (see condition B8);	Operational	Air Quality Management Plan incorporated in the OEMP. A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(e) ii.	ii. Driver Code of Conduct (see condition B18);	Operational	Operational Environmental Management Plan (OEMP) Rev 5, 14 February 2023. Driver Code of Conduct incorporated. A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(e) iii.	iii. Waste (see condition B45);	Operational	Operational Environmental Management Plan (OEMP) Rev 5, 14 February 2023Waste Management Plan incorporated. A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C6(e) iv	iv. Flood Emergency Response (see condition B23); and	Operational	Operational Environmental Management Plan (OEMP) Rev 5, 14 February 2023Flood Emergency Response Management Plan incorporated.	Compliant

			A copy of the OEMP is provided https://www.downergroup.com/Content/cms/Documents/Rosehill_docs/PR122_Stage_1_CEMP-Annex_F_LMP_Final_210202.pdf	
C6(e) v.	v. Water (see condition B27).	Operational	Operational Environmental Management Plan (OEMP) Rev 5, 14 February 2023Water Management Plan incorporated. A copy of the OEMP is provided https://www.downergroup.com/management-plans	Compliant
C7	The Applicant must: (a) not commence operation until the OEMP is approved by the Planning Secretary; and (b) operate the development in accordance with the OEMP approved by the Planning Secretary (and as revised and approved by the Planning Secretary from time to time).	Operational	On the 4 February 2022 DPE acknowledged and approved the Operational Environmental Management Plan (OEMP (Revision 4, dated 25 January 2022)) noting that the OEMP applies only to the DSRRC as there are no operational components associated with the CSIE	Compliant
Revision of strategies, plans and programs				
C8	Within three months of: (a) the submission of a Compliance Report under condition C14. (b) the submission of an incident report under condition C10. (c) the submission of an Independent Audit under condition C16. (d) the approval of any modification of the conditions of this consent; or (e) the issue of a direction of the Planning Secretary under condition A2(b) which requires a review, the strategies, plans and programs required under this consent must be reviewed, and the Planning Secretary must be notified in writing that a review is being carried out.	Operational	Not yet triggered.	Not Triggered
C9	If necessary, to either improve the environmental performance of the development, cater for a modification or comply with a direction, the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Planning Secretary. Where revisions are required, the revised document must be submitted to the Planning Secretary for approval within six weeks of the review. Note: This is to ensure strategies, plans and programs are updated on a regular basis and to incorporate any recommended measures to improve the environmental performance of the development.	Operational	Not yet triggered.	Not Triggered

REPORTING AND AUDITING				
Incident Notification, Reporting and Response				
C10	The Planning Secretary must be notified in writing via the Major Projects website immediately after the Applicant becomes aware of an incident. The notification must identify the development (including the development application number and the name of the development if it has one) and set out the location and nature of the incident. Subsequent notification requirements must be given, and reports submitted in accordance with the requirements set out in Appendix 3.	Operational	No notifiable incidents have been reported since commencement of operation.	Not Triggered
Non-Compliance Notification				
C11	The Planning Secretary must be notified in writing via the Major Projects website within seven days after the Applicant becomes aware of any non-compliance.	Operational	Not yet triggered.	Not Triggered
C12	A non-compliance notification must identify the development and the application number for it, set out the condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.	Operational	Not yet triggered.	Not Triggered
C13	A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.	Operational	Not yet triggered.	Not Triggered
Compliance Reporting - DSRRC				
C14	Within three months after the first year of commencement of operation of the DSRRC, and in the same month each subsequent year (or such other timing as agreed by the Planning Secretary), the Applicant must submit a Compliance Report to the Planning Secretary reviewing the environmental performance of the development to the satisfaction of the Planning Secretary. Compliance Reports must be prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2020) and must also: (a) identify any trends in the monitoring data over the life of the development. (b) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and (c) describe what measures will be implemented over the next year to improve the environmental performance of the development	Operational	The completion and submission of this Compliance report partially satisfies this condition. Regarding sections a), b), and c), of this condition, required environmental monitoring has been completed as required. Trend reviews, discrepancies identified, and measures implemented are outlined in the required verification reports submitted in accordance with conditions B10, B17 and B29. Reports required by conditions B10 and B17 have previously been submitted to DPIE, whilst the surface water verification report required by condition B29, is not yet due and has therefore yet to be submitted.	Not Triggered

C15	The Applicant must make each Compliance Report publicly available no later than 60 days after submitting it to the Planning Secretary and notify the Planning Secretary in writing at least 7 days before this is done.	Operational	Not yet triggered.	Not Triggered
Independent Audit - DSRRC				
C16	Within one year of the commencement of operations of the DSRRC, and every three years after, unless the Planning Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (Audit) of the development. Audits must: (a) be prepared in accordance with the Independent Audit Post Approval Requirements (Department 2020) (b) be led and conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Planning Secretary; and (c) be submitted to the satisfaction of the Planning Secretary within three months of commissioning the Audit (or within another timeframe agreed by the Planning Secretary).	Operational	While an independent Environmental Audit has been commissioned and full cost paid in accordance with this condition, this was done outside of the timeframe specified. The timeframe 'within one year of the commencement of operations' passed on the 12 May 2023, and engagement of Independent Audit was undertaken on the 23 June 23, just outside of the specified time. Given that this non-compliance has already been addressed, no action is required to be raised to rectify this non-compliance.	Non-compliant
C17	In accordance with the specific requirements in the Independent Audit Post Approval Requirements (Department 2020), the Applicant must: (a) review and respond to each Independent Audit Report prepared under condition C16 of this consent. (b) submit the response to the Planning Secretary and any other NSW agency that requests it, together with a timetable for the implementation of the recommendations. (c) implement the recommendations to the satisfaction of the Planning Secretary; and (d) make each Independent Audit Report and response to it publicly available no later than 60 days after submission to the Planning Secretary and notify the Planning Secretary in writing at least 7 days before this is done.	Operational	Not yet triggered.	Not Triggered
Monitoring and Environmental Audits				
C18	Any condition of this consent that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance notification, compliance reporting and independent auditing.	Operational	Division 9.4 of Part 9 of the EP&A Act relates to (among other things) the need to be accurate, true (not misleading), properly conducted (approved methodology, calibrated etc.), and with records retained. No notifiable incidents have yet occurred at the site and monitoring has been undertaken in accordance with the consent as noted within this compliance report.	Not Triggered

	Note: For the purposes of this condition, as set out in the EP&A Act, "monitoring" is monitoring of the development to provide data on compliance with the consent or on the environmental impact of the development, and an "environmental audit" is a periodic or particular documented evaluation of the development to provide information on compliance with the consent or the environmental management or impact of the development.			
Access to information				
C19	At least 48 hours before the commencement of construction until the completion of all works under this consent, the Applicant must: (a) make the following information and documents (as they are obtained or approved) publicly available on its website: i. the documents referred to in condition A2 of this consent. ii. all current statutory approvals for the development. iii. all approved strategies, plans and programs required under the conditions of this consent. iv. the proposed staging plans for the development if the construction, operation or decommissioning of the development is to be staged. v. regular reporting on the environmental performance of the development in accordance with the reporting requirements in any plans or programs approved under the conditions of this consent. vi. a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs. NSW Government 21 Central Sydney Industrial Estate and Downer Sustainable Road Resource Centre Department of Planning, Industry and Environment (SSD-10459) vii. a summary of the current stage and progress of the development. viii. contact details to enquire about the development or to make a complaint. ix. a complaints register, updated monthly. x. the Compliance Report of the development. xi. audit reports prepared as part of any Independent Audit of the development and the Applicant's response to the recommendations in any audit report. xii. any other matter required by the Planning Secretary; and (b) keep such information up to date, to the satisfaction of the Planning Secretary.	Operational	All publicly available information required by this condition is available on the project website: (https://www.downergroup.com/downer-rosehill-sustainable-resource-centre)	Compliant

Appendix B: Compliance Report Declaration Form

Compliance Report Declaration Form	
Project Name:	Central Sydney Industrial Estate; and Downer Sustainable Road Resource Centre
Project Application Number:	SSD-10459
Description of Project:	The construction and operation of a combined asphalt plant, reclaimed asphalt pavement (RAP) facility, bitumen products plant and a road waste sweepings recycling facility (Reconomy) on proposed Lot 6.
Project Address:	9 Devon Street, Rosehill NSW 2142
Proponent:	Downer EDI Works Pty Ltd
Title of Compliance Report:	Operational Compliance Report 1
Date:	08/08/2023
I declare that I have reviewed the contents of the attached Compliance Report and to the best of my knowledge: i. the Compliance Report has been prepared in accordance with all relevant conditions of consent. ii. the Compliance Report has been prepared in accordance with the Compliance Reporting Requirements. iii. the findings of the Compliance Report are reported truthfully, accurately and completely. iv. due diligence and professional judgement have been exercised in preparing the Compliance Report; and v. the Compliance Report is an accurate summary of the compliance status of the development.	
Name of Authorised Reporting Officer:	Colin Biggs
Title:	Environmental and Sustainability Advisor
Signature:	
Qualification:	Bach Landscape Management and Conservation/ Diploma of Quality Auditing/ Diploma of Management.
Company:	Downer
Company Address:	50 Eastern Creek Drive, Eastern Creek NSW

Downer
Relationships creating success

Appendix L

NSW EPA ENVIRONMENTAL PROTECTION LICENCE 21611

Environment Protection Licence

Licence - 21611

Licence Details	
Number:	21611
Anniversary Date:	11-May

Licensee

DOWNER EDI WORKS PTY LTD

9 DEVON ST

ROSEHILL NSW 2142

Premises

DOWNER SUSTAINABLE ROAD RESOURCE CENTRE

9 DEVON STREET

ROSEHILL NSW 2142

Scheduled Activity

Chemical production

Resource recovery

Waste storage

Fee Based Activity	Scale
Petrochemical production	> 10000-30000 T annual production capacity
Recovery of general waste	Any general waste recovered
Waste storage - other types of waste	Any other types of waste stored
Waste storage - waste tyres	> Any tyres stored

Contact Us

NSW EPA

4 Parramatta Square

12 Darcy Street

PARRAMATTA NSW 2150

Phone: 131 555

Email: info@epa.nsw.gov.au

Locked Bag 5022

PARRAMATTA NSW 2124

Environment Protection Licence

Licence - 21611

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Licence - 21611

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Environment Protection Licence

Licence - 21611

Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

Environment Protection Licence

The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

DOWNER EDI WORKS PTY LTD
9 DEVON ST
ROSEHILL NSW 2142

subject to the conditions which follow.

Environment Protection Licence

Licence - 21611

1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Chemical production	Petrochemical production	> 10000 - 30000 T annual production capacity
Resource recovery	Recovery of general waste	Any general waste recovered
Waste storage	Waste storage - other types of waste	Any other types of waste stored
Waste storage	Waste storage - waste tyres	> tyres stored

A2 Premises or plant to which this licence applies

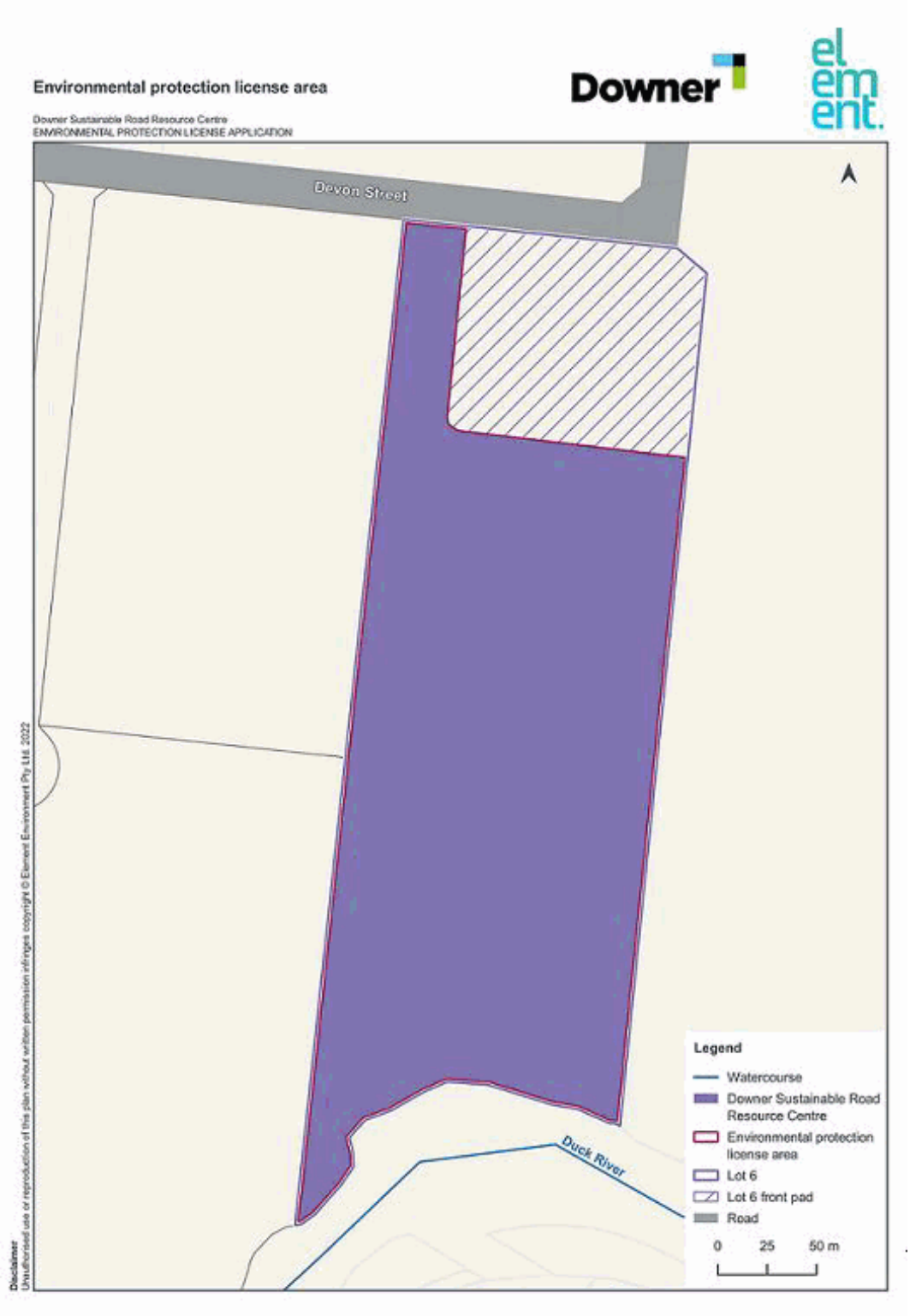
A2.1 The licence applies to the following premises:

Premises Details
DOWNER SUSTAINABLE ROAD RESOURCE CENTRE
9 DEVON STREET
ROSEHILL
NSW 2142
SITE IS LOT 6 DP 1168951

A2.2 The premises location is shown on the map below.

Environment Protection Licence

Licence - 21611



A3 Other activities

A3.1 Unless specifically stated by another condition of this licence, Environmental Management Plans or systems supplied to the EPA by the licensee do not form part of this licence.

A3.2 This licence applies to all other activities carried out at the premises, including:

Environment Protection Licence

Ancillary Activity
Asphalt manufacturing

A4 Information supplied to the EPA

A4.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:
a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

Air

EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Air Quality Monitoring		Asphalt Plant Exhaust Stack

P1.2 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
2	Water Quality Monitoring		Outlet of Bio-retention pond as shown in Figure 3.20, EIS Central Sydney Industrial Estate incorporating the Sustainable Road Resource Centre (2020)

P1.3 The following points referred to in the table below are identified in this licence for the purposes of weather and/or noise monitoring and/or setting limits for the emission of noise from the premises.

Noise/Weather

EPA identification no.	Type of monitoring point	Location description
3	Noise monitoring	R1A - 72 River Road, Ermington
4	Noise monitoring	R1B - 530 John Street, Rydalmere
5	Noise monitoring	R2A - 86 Carnarvon Street, Silverwater
6	Noise monitoring	R2B - 101 Beaconsfield Street, Silverwater
7	Noise monitoring	R3A - 71 Penelope Lucas Lane, Rosehill
8	Noise monitoring	R3B - 88 James Ruse Drive, Rosehill
9	Noise monitoring	FR01 - 181 James Ruse Drive, Camellia

3 Limit Conditions

L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

L2 Load limits

L2.1 The actual load of an assessable pollutant discharged from the premises during the reporting period must not exceed the load limit specified for the assessable pollutant in the table below.

Note: An assessable pollutant is a pollutant which affects the licence fee payable for the licence.

L2.2 The actual load of an assessable pollutant must be calculated in accordance with the relevant load calculation protocol.

Assessable Pollutant	Load limit (kg)
Benzene (Air)	
Fine Particulates (Air)	
Nitrogen Oxides - Summer (Air)	
Nitrogen Oxides (Air)	
Volatile organic compounds - Summer (Air)	
Volatile organic compounds (Air)	

L2.3 Load limits listed in condition L2.2 will be calculated following collection of three (3) years of emission monitoring as required under this licence.

L3 Waste

L3.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled “Waste” and meeting the definition, if any, in the column titled “Description” in the table below.
Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled “Activity” in the table below.
Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled “Other Limits” in the table below.
This condition does not limit any other conditions in this licence.

Code	Waste	Description	Activity	Other Limits
NA	Grit, sediment, litter and gross pollutants collected in, and removed from, stormwater treatment devices or stormwater management systems.	Includes stormwater that does not contain any characteristics of trackable wastes as per Part 3, Sch 1 of the Protection of the Environment Operations (Waste) Regulation 2014. Solid waste must not be hazardous waste.	Resource recovery Waste storage	Must be managed in accordance with The Downer recovered aggregate and sand order May 2022 and The Downer recovered aggregate and sand exemption May 2022 or as superseded from time to time.
NA	Street sweepings from classified roads	Classified roads as defined in the Dictionary of the Roads Act 1993, as in force from time to time.	Resource recovery Waste storage	Must be managed in accordance with The Downer recovered aggregate and sand order May 2022 and The Downer recovered aggregate and sand exemption May 2022 or as superseded from time to time.
NA	Coal ash	Must meet the requirements of The coal ash order 2014 when received at the premises.	Resource recovery Waste storage	No more than 300 tonnes to be received at the premises in any 12 month period. No more than 23 tonnes to be

				stored at the premises at any one time.
NA	Toner	As per the Downer bituminous pavement order 2020 and the Downer bituminous pavement exemption 2020.	Resource recovery Waste storage	Must be managed in accordance with The Downer bituminous pavement order May 2022 and The Downer bituminous pavement exemption May 2022 or as superseded from time to time. No more than 1,500 tonnes to be received at the premises in any 12 month period. No more than 100 tonnes to be stored at the premises at any one time.
NA	Asphalt waste (including asphalt resulting from road construction and waterproofing works)	As defined in the Protection of the Environment Operations Act 1997, as in force from time to time.	Resource recovery Waste storage	Must be managed in accordance with The Downer bituminous pavement order May 2022 and The Downer bituminous pavement exemption May 2022 or as superseded from time to time. No more than 250,000 tonnes to be received at the premises in any 12 month period. No more than 90,000 tonnes to be stored at the premises at any one time.
NA	Waste tyres	As defined in the Protection of the Environment Operations	Resource recovery Waste storage	Limited to rubber crumb from shredded tyres.

		Act 1997, as in force from time to time. Must meet the requirements of the recovered tyres order 2014 when received at the premises.		Must be managed in accordance with The Downer bituminous pavement order May 2022 and The Downer bituminous pavement exemption May 2022 or as superseded from time to time. No more than 500 tonnes to be received at the premises in any 12 month period. No more than 10 tonnes to be stores at the premises at any one time.
NA	Steel Furnace Slag	Must meet the requirements of the steel furnace slag order 2019 when received at the premises.	Resource recovery Waste storage	No more than 15,000 tonnes to be received at the premises in any 12 month period. No more than 3,000 tonnes to be stored at the premises at any one time.
NA	Glass	Must meet the requirements of the recovered glass sand order 2014 when received at the premises.	Resource recovery Waste storage	Limited to recovered glass sand. Must be managed in accordance with The Downer bituminous pavement order May 2022 and The Downer bituminous pavement exemption 2022 or as superseded from time to time. No more than 30,000 tonnes to

				be received at the premises in any 12 month period. No more than 150 tonnes to be stored at the premises at any one time.
NA	Virgin excavated natural material	As defined in the Protection of the Environment Operations Act 1997, as in force from time to time.	Resource recovery Waste storage	No more than 460,000 tonnes to be received at the premises in any 12 month period. No more than 6,300 tonnes to be stored at the premises at any one time.
NA	Hydro-excavated soil	As per The Downer recovered aggregate and sand order May 2022 and The Downer recovered aggregate and sand exemption May 2022.	Resource recovery Waste storage	Must be managed in accordance with The Downer recovered aggregate and sand order May 2022 and The Downer recovered aggregate and sand exemption May 2022 or as superseded from time to time.

L3.2 The authorised amount of waste permitted on the premises cannot exceed 101,123 tonnes at any one time.

L3.3 The maximum amount of waste permitted to be received at the premises is 797,300 tonnes in any 12 month period

L3.4 Records for each load of waste received under a resource recovery order must be readily available at the premises and must be provided to any officer from the EPA that requests to inspect them.

L3.5 The licensee must ensure compliance with all specific and general resource recovery orders and exemptions applicable to the waste types received, stored and processed at the premises.

L3.6 All aggregates and sand received at the premises for asphalt manufacturing must be Virgin Excavated Natural Material (VENM), as defined in Schedule 1 of the *Protection of the Environment Operations Act 1997*.

L3.7 VENM certificates must be retained at the premises and must be provided to any officer from the EPA that requests to inspect them, aside from VENM received from a licensed quarry.

L3.8 Waste collected in a stormwater treatment device or stormwater management system from a spill incident or

pollution event must not be received at the premises.

L3.9 The liquid portion of waste received at the premises is not permitted to be recycled or re-used for any purpose.

L4 Noise limits

L4.1 Noise generated at the premises that is measured at each noise monitoring point established under this licence must not exceed the noise levels specified in Column 4 of the table below for that point during the corresponding time periods specified in Column 1 when measured using the corresponding measurement parameters listed in Column 2.

POINT 3

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	Special Frequency 1	30
Evening	LAeq (15 minute)	Special Frequency 1	30
Night	LAeq (15 minute)	Special Frequency 1	33
Night	LAmax	Special Frequency 1	52

POINT 4

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	Special Frequency 1	31
Evening	LAeq (15 minute)	Special Frequency 1	31
Night	LAeq (15 minute)	Special Frequency 1	34
Night	LAmax	Special Frequency 1	52

POINT 5

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	Special Frequency 1	34
Evening	LAeq (15 minute)	Special Frequency 1	34
Night	LAeq (15 minute)	Special Frequency 1	37
Night	LAmax	Special Frequency 1	53

POINT 6

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Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	Special Frequency 1	36
Evening	LAeq (15 minute)	Special Frequency 1	35
Night	LAeq (15 minute)	Special Frequency 1	38
Night	LAmax	Special Frequency 1	53

POINT 7,9

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	Special Frequency 1	30
Evening	LAeq (15 minute)	Special Frequency 1	30
Night	LAeq (15 minute)	Special Frequency 1	30
Night	LAmax	Special Frequency 1	55

POINT 8

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	Special Frequency 1	30
Evening	LAeq (15 minute)	Special Frequency 1	32
Night	LAeq (15 minute)	Special Frequency 1	30
Night	LAmax	Special Frequency 1	55

L4.2 For the purposes of monitoring points 3, 4, 5, 6, 7, 8 and 9 Special Frequency 1 means upon written request by an EPA authorised officer, the licensee must undertake an operator attended noise monitoring survey (Noise Survey) to ensure noise generated at the premises does not exceed the limits details in condition L4.1. Results of the Noise Survey must be provided to any EPA authorised officer upon request.

L4.3 For the purpose of Condition L4.1:
a) Day means the period from 7am to 6pm Monday to Saturday and the period from 8am to 6pm Sunday and public holidays.
b) Evening means the period from 6pm to 10pm.
c) Night means the period from 10pm to 7am Monday to Saturday and the period from 10pm to 8am Sunday and public holidays.

L4.4 Meteorological Conditions
a) The noise emission limits set out in Condition L4.1 apply under the following meteorological conditions referred to in the table below.
b) For those meteorological conditions not referred to in the table below, the noise limits that apply are the

noise limits in condition L4.1 plus 5dB.

Assessment Period	Meteorological Conditions
Day	Stability Categories A, B, C and D with wind speeds up to and including 0.5m/s at 10m above ground level.
Evening	Stability Categories A, B, C and D with wind speeds up to and including 3m/s at 10m above ground level.
Night	Stability Categories A, B, C and D with wind speeds up to and including 3m/s at 10m above ground level; or Stability category E and F with wind speeds up to and including 2m/s at 10m above ground level.

L4.5 For the purposes of condition L4.4:
a) The meteorological conditions are to be determined from meteorological data obtained from the meteorological weather station identified as Sydney Olympic Park AWS (Archery Centre); and
b) Stability category shall be determined using the following method from Fact Sheet D of the *Noise Policy for Industry* (NSW EPA, 2017):
i. Use of sigma-theta data (section D1.4).

L4.6 For the purpose of determining the noise generated from the premises, the modifying factor corrections in Table C1 in Fact Sheet C of the *Noise Policy for Industry* (NSW EPA, 2017) should be applied, if appropriate, to the noise level determined at locations L4.1.

L4.7 To determine compliance with the noise limits in condition L4.1 the noise measurement equipment must be located at:

- the most affected point within an area at a location prescribed by condition L41; and/or
- the most affected point other than where there is no dwelling at the location.

L4.8 A non-compliance of condition L4.1 will still occur where noise generated from the premises in excess of the appropriate limit is measured:

- at a location other than those described by condition L4.1; and/or
- at a point other than the most affected point at a location.

L4.9 For the purpose of determining the noise generated at the premises, the modification factors in Section 4 of the NSW Industrial Noise Policy must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.

L5 Hours of operation

L5.1 Activities at the premises are permitted to be undertaken 24 hours a day, 7 days per week.

L6 Potentially offensive odour

L6.1 The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

L6.2 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the Protection of the Environment Operations Act 1997.

4 Operating Conditions

O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.
This includes:
a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
a) must be maintained in a proper and efficient condition; and
b) must be operated in a proper and efficient manner.

O3 Dust

General

O3.1 All activities occurring in or on the premises must be carried out in a manner which prevents or minimises the emission of air pollutants, including dust and fumes.

O3.2 The premises must be maintained in a condition which prevents or minimises the emission of air pollutants, including dust and fumes, from the premises.

O3.3 Where possible, all mobile non-road diesel equipment operated at the Downer Sustainable Road Resource Centre (DSRRC) site must achieve a particulate matter emission performance commensurate with US EPA Tier 4 particulate emission standards.

O3.4 Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.

O3.5 The licensee must ensure that no material, including sediment or oil, is tracked from the premises.

Bitumen Production and Storage

O3.6 All bitumen storage and processing tanks must be fitted with carbon filters. All vapour laden air from tank loading and breathing must be directed to the carbon filters prior to discharge to atmosphere.

Asphalt Plant

O3.7 The asphalt plant burner must operate on natural gas, except during gas shortages beyond the licensee's control.

O3.8 The asphalt loadout area must be enclosed on a minimum of two sides and fitted with a vapour extraction system that is operated to capture vapour emissions during asphalt load out as far as practical.

O3.9 The vapour extracted from the loadout area must be directed to the plants' bag filter and discharged via the 40 metre high asphalt plant discharge stack.

Reclaimed Asphalt Pavement Facility

O3.10 A permanent dust suppression system must be installed and maintained around the unprocessed Reclaimed Asphalt Pavement (RAP) stockpile area. The suppression system must be designed and implemented to achieve complete coverage of the stockpiled waste.

O3.11 A permanent dust suppression system must be installed and maintained at the end of the conveyors that transfer the processed RAP to the processed RAP storage bays. The dust suppression system must be operated in a manner which ensures that all processed RAP can be dampened prior to discharge from the conveyor into the processed RAP storage bays.

O3.12 All roller doors on the asphalt processing shed must be closed when processing is occurring within the shed.

O3.13 All conveyors for transferring material within the RAP processing shed must be completely enclosed.

O4 Emergency response

O4.1 The licensee must prepare, maintain, and implement as necessary, a current Pollution Incident Response Management Plan (PIRMP) for the premises.

Note: The licensee must develop their PIRMP in accordance with the requirements in Part 5.7A of the *Protection of the Environment Operations Act 1997* and the POEO Regulations.

O5 Processes and management

General

O5.1 Each type of waste stored on site for recovery/ recycling must be stockpiled separately.

O5.2 Waste is only permitted to be stored in the dedicated storage areas on the premises. No waste or waste derived material is permitted to be stored on the premises outside of these areas.

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O5.3 Where waste is stored in a storage bunker the waste must be contained wholly within the bunker.

O5.4 The height of any waste stockpile in the RAP stockpile area must not exceed ten (10) metres.

O5.5 Height markers must be maintained on, in or immediately adjacent to any waste stockpile which is not within a storage bunker. The markers must show the stockpile height limit and be positioned so that a visual check can be made of each stockpile.

O5.6 All waste processing must occur inside the designated processing buildings. No waste or waste derived material is permitted to be processed on external surfaces.

O5.7 The licensee must ensure there is a dedicated waste quarantine area on the premises. This area must be clearly signposted.

O5.8 The licensee must ensure any waste which is stored, processed, or recovered at the premises must be assessed and classified as per the *EPA Waste Classification Guidelines*, as in force from time to time.

O5.9 The licensee must comply with the requirements set out in the *EPA Standards for managing construction waste in NSW*, as in force from time to time.

O5.10 All non-conforming waste received at the premises must be disposed of at a facility that can lawfully receive that type of waste as soon as practicable.

O5.11 All above ground tanks containing chemicals capable of causing harm to the environment if they spill or leak must be stored within a bunded area, or within an appropriate alternative spill containment system that achieves the same outcome.

O5.12 Bunds at the premises must:
a) have walls and floors construction of impervious materials;
b) be of sufficient capacity to contain 110% of the volume of the tank (or 110% volume of the largest tank where a group of tanks are installed);
c) have floors graded to a collection sump; and
d) not have a drain valve incorporated in the bund structure.

Reclaimed Asphalt Pavement Facility

O5.13 Only reclaimed asphalt pavement (RAP) waste is permitted to be stored and processed at the RAP facility. No other waste types are permitted to be stored or processed at any time at this facility.

O5.14 Processed RAP waste must only be stored in the designated storage bays.

O5.15 Unprocessed RAP waste stockpiles must only be stored in permanent designated storage areas. These areas must be clearly marked.

O5.16 Road access must be maintained through the centre of the unprocessed RAP stockpile area. No waste or material is permitted to be stored in the road access area at any time. Any spills of waste or material on the road access must be cleaned immediately.

O5.17 No operations or activities under the licence are to be conducted at the RAP processing shed until:
a) The RAP processing shed is installed as per the EIS, RtS and development consent SSD-10459;

b) The licensee provides written notification to the EPA (Regulatory Operations - Metro) advising the construction of the RAP processing shed has been conpleted; and
c) An inspection of the completed RAP processing shed has been conducted by the EPA.

Note: No RAP processing is permitted to occur at the premises prior to all parts of this condition being satisfied.

Reconomy Facility

O5.18 The maximum amount of waste which can be stored at the Reconomy facility at any one time is 1,540 tonnes.

O5.19 The maximum amount of waste permitted to be received at the Reconomy facility is 40,000 tonnes in any 12 month period.

O5.20 Unloading of waste must only occur within the designated unloading area.

O5.21 Waste must only be stored in the storage bunkers in the designated storage area at the northern end of the Reconomy facility, or in the storage bunkers and bins in the processing area. Waste is not permitted to be stored in the processing area aside from the waste which is stored in the storage bunkers and bins.

O5.22 All recovered waste which is deposited into the storage bunkers in the processing area of the facility must be transferred to the dedicated storage bunkers in the storage area as soon as possible and prior to the storage bunkers reaching capacity.

O5.23 All recovered organic waste/ leaf litter must be disposed of to an EPA licensed waste disposal facility unless it is subject to an EPA-approved resource recovery trial.

5 Monitoring and Recording Conditions

M1 Monitoring records

M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.

M1.2 All records required to be kept by this licence must be:
a) in a legible form, or in a form that can readily be reduced to a legible form;
b) kept for at least 4 years after the monitoring or event to which they relate took place; and
c) produced in a legible form to any authorised officer of the EPA who asks to see them.

M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
a) the date(s) on which the sample was taken;
b) the time(s) at which the sample was collected;
c) the point at which the sample was taken; and
d) the name of the person who collected the sample.

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M2 Testing methods - load limits

Note: Division 3 of the *Protection of the Environment Operations (General) Regulation 2021* requires that monitoring of actual loads of assessable pollutants listed in L2.2 must be carried out in accordance with the relevant load calculation protocol set out for the fee-based activity classification listed in the Administrative Conditions of this licence.

M3 Recording of pollution complaints

M3.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M3.2 The record must include details of the following:
a) the date and time of the complaint;
b) the method by which the complaint was made;
c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
d) the nature of the complaint;
e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
f) if no action was taken by the licensee, the reasons why no action was taken.

M3.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M3.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M4 Telephone complaints line

M4.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M4.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M4.3 The preceding two conditions do not apply until one month after the date of the issue of this licence.

M5 Other monitoring and recording conditions

Requirement to Monitor Noise

M5.1 All noise monitoring must be undertaken in accordance with:
a) Australian Standard AS 2659.1-1998: "Guide to the use of sound measuring equipment - portable sound level meters"; and
b) the compliance monitoring guidance provided in the *Noise Policy for Industry* (NSW EPA, 2017).

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6 Reporting Conditions

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

R1.3 Where this licence is transferred from the licensee to a new licensee:
a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:
a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 Where the licensee is unable to complete a part of the Annual Return by the due date because the licensee was unable to calculate the actual load of a pollutant due to circumstances beyond the licensee's control, the licensee must notify the EPA in writing as soon as practicable, and in any event not later than the due date. The notification must specify:
a) the assessable pollutants for which the actual load could not be calculated; and

b) the relevant circumstances that were beyond the control of the licensee.

R1.7 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.8 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
a) the licence holder; or
b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which they became aware of the incident.

R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
a) where this licence applies to premises, an event has occurred at the premises; or
b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,
and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:
a) the cause, time and duration of the event;
b) the type, volume and concentration of every pollutant discharged as a result of the event;
c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not

satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

7 General Conditions

G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

8 Special Conditions

E1 Financial Assurance

E1.1 A financial assurance in the form of an unconditional and irrevocable and on demand guarantee from a bank, building society or credit union operating in Australia as "Authorised Deposit-taking Institutions" under the *Banking Act 1959* of the Commonwealth of Australia and supervised by the Australian Prudential Regulatory Authority (APRA) must be provided to the EPA.

E1.2 The financial assurance must be in favour of the Environment Protection Authority in the amount of six hundred and seventy-five thousand dollars ($675,000) must be provided to the EPA prior to the issue of this licence. The financial assurance is required to secure or guarantee funding for works or programmes required by or under this licence. The financial assurance must contain a term that provides that any monies claimed can by paid to the EPA or, at the written direction of the EPA, to any other person. The licensee must provide to the EPA, along with the original counterpart guarantees, confirmation in writing that the financial institution providing the guarantees is subject to supervision by APRA.

E1.3 The financial assurance must be maintained during the operation of the facility and thereafter until such time as the EPA is satisfied the premises is environmentally secure.

E1.4 The EPA may require an increase in the amount of the financial assurance at any time as a result of reassessment of the total likely costs and expenses of rehabilitation of the premises.

E1.5 The EPA may claim on a financial assurance under s303 of the POEO Act if a licensee fails to carry out any work or program required to comply with the conditions of this licence.

E1.6 The financial assurance must be replenished by the full amount claimed or realised if the EPA has claimed on or realised the financial assurance or any part of it to undertake a work or program required to be carried out by the licence which has not been undertaken by the licence holder.

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E2 Environmental Obligations of Licensee

E2.1 While the licensee's premises are being used for the purpose to which the licence relates, the licensee must:
a) Clean up any spill, leak or other discharge of any waste(s) or other material(s) as soon as practicable after it becomes known to the licensee or to one of the licensee's employees or agents.
b) In the event(s) that nay liquid and non-liquid waste(s) is unlawfully deposited on the premises, such waste(s) must be removed and lawfully disposed of as soon as practicable or in accordance with any direction given by the EPA
c) Provide all monitoring data as required by the conditions of this licence or as directed by the EPA.

E2.2 In the event of an earthquake, storm, fire, flood or any other event where it is reasonable to suspect that a pollution incident has occurred, is occurring or is likely to occur, the licensee must:
a) Make all efforts to contain all fire water on the premises;
b) Make all efforts to control air pollution from the premises;
c) Make all efforts to contain any discharge, spill or run-off from the premises;
d) Make all efforts to prevent flood water entering the premises;
e) Remediate and rehabilitate any exposed areas of soil and/or waste;
f) Lawfully dispose of all liquid and solid waste(s) stored on the premises that is not already securely disposed of:
g) At the request of the EPA, monitor groundwater beneath the premises and its potential to migrate from the premises;
h) At the request of the EPA, monitor surface water leaving the premises; and
i) Ensure the premises is secure.

E2.3 After the licensee's premises cease to be used for the purposes to which the licence relates or in the event that the licensee ceases to carry out the activity that is the subject of this licence, that licensee must:
a) Remove and lawfully dispose of all liquid and non-liquid waste stored on the licensee's premises; and
b) Rehabilitate the premises, including conducting an assessment of the site and if required remediation of any site contamination.

E3 Proof of Performance Monitoring - Air Emissions

E3.1 The licensee must engage a suitably qualified person to undertake post-commissioning air emissions sampling to verify the emission performance of Licence Discharge Point 1.

E3.2 The post-commissioning sampling must occur within three (3) months of the commencement of all operations at the premises.

E3.3 Sampling must be performed for all pollutants and parameters listed in the table below, using the methods listed in column 3. All sampling and analysis must be undertaken in accordance with the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales.*

Pollutant	Units of measure	Sampling Method
Temperature	degrees Celsius	TM-2
Volumetric flow rate	Cubic metres per second	TM-2
Oxygen	Percent	TM-25
Moisture	Percent	TM-22

Solid Particles (Total)	Milligrams per cubic metre	TM-15
Volatile organic compounds	Milligrams per cubic metre	TM-34
Oxides of Nitrogen, as NO2 equivalent	Milligrams per cubic metre	TM-11
Type 1 and Type 2 substances (in aggregate)	Milligrams per cubic metre	TM-12, TM-13, TM-14

E3.4 A minimum of two rounds of sampling must be undertaken for each pollutant contained in the above table to provide a suitable characterisation of the emissions during normal operations. The two rounds of sampling must not occur on the same day.

E3.5 Sampling must be conducted when plant/ process conditions are representative of normal operations.

E3.6 An air emissions verification report (the Report) must be prepared and must contain, as a minimum, the following information:

a) A description of the process operating conditions at the time of sampling, including, but not limited to:

i. a description of the process (e.g. processing rates, materials produced, products used, activities);
ii. the process flow diagram showing all inputs and outputs; and
iii. a description of all air pollution control systems.

Note: Supporting evidence must be included which confirms that the plan/ process was operating under normal, representative conditions at the time of sampling.

b) A detailed description of the sampling location. Engineering drawings, schematics or photographs should be included to support the description.

c) All information required to be reported under Section 4 of the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.

d) A comparison of measured emissions with prescribed concentrations contained in the Protection of the Environment Operations (Clean Air) Regulation 2021 (the Clean Air Regulation).

e) Where the comparison in E1.6(d) identified measured emissions greater than the Clean Air Regulation, mitigation measures to achieve compliance with the Clean Air Regulation must be identified with a timeline for implementation.

f) A comparison of measured emissions with the emissions adopted in the Air Quality Impact Assessment submitted for project approval.

g) Where the comparison in E1.6(f) identifies measured emissions greater than the emission adopted in the Air Quality Impact Assessment, a revised Air Quality Impact Assessment must be undertaken in accordance with the *Approved Methods for Modelling and Assessment of Air Pollutants in NSW*.

h) Where a revised Air Quality Impact Assessment required under E1.6(g) identifies exceedances of the EPA's impact assessment criteria, mitigation measures must be nominated with a timeline for implementation.

E3.7 The Report must be submitted to the EPA within three (3) months following commencement of operations at the premises. The Report can be incorporated into the Air Quality Verification Report (AQVR) required under Condition B10 of the planning consent (SSD-10459).

Note: The EPA may utilise the information contained in the report submitted to include additional conditions in this EPL. This includes, but is not limited to, emission limits and ongoing monitoring requirements.

E4 Noise Verification Report

E4.1 The licensee must engage a suitably qualified person to prepare a Noise Verification Report (NVR).

E4.2 The NVR must:
a) include an analysis of compliance with noise limits specified in condition L4 in accordance with the *Noise Policy for Industry* (NSW EPA, 2017);
b) demonstrate that all reasonable and feasible mitigation measures have been incorporated into the development;
c) reference manufacturer's specifications and/or performance guarantees for the asphalt plant;
d) include an outline of management actions to be taken to where the limits specified in condition L4 have been exceeded; and
e) describe the contingency measures and the timing of their implementation in the event the management actions are not effective in reducing the noise impacts to an acceptable level.

E4.3 The NVR must be submitted to the EPA within three (3) months following commencement of operations at the premises.

E5 Surface Water Verification Report

E5.1 The licensee must engage a suitably qualified person to prepare a Surface Water Verification Report (SWVR).

E5.2 The SWVR must:
a) include an analysis of compliance with the maximum concentrations identified under the surface water management plan;
b) demonstrate that all reasonable and feasible mitigation measures have been incorporated into the development;
c) reference manufacturer's specifications and/or performance guarantees;
d) include an outline of management actions to be taken to address any exceedances of the maximum concentrations identified under the surface water management plan; and
e) describe the contingency measures and the timing of their implementation in the event that management actions are not effective in reducing water quality impacts to an acceptable level.

E5.3 The SWVR must be submitted to the EPA within 18 months following the commencement of all operations at the premises.

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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environmen t Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder describe d at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same me aning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 mo nths. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Environment Protection Authority

(By Delegation)

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End Notes