



# Annual Environmental Management Review 2023 – 2024

Wetherill Park Resource Recovery  
Facility

PREPARED FOR

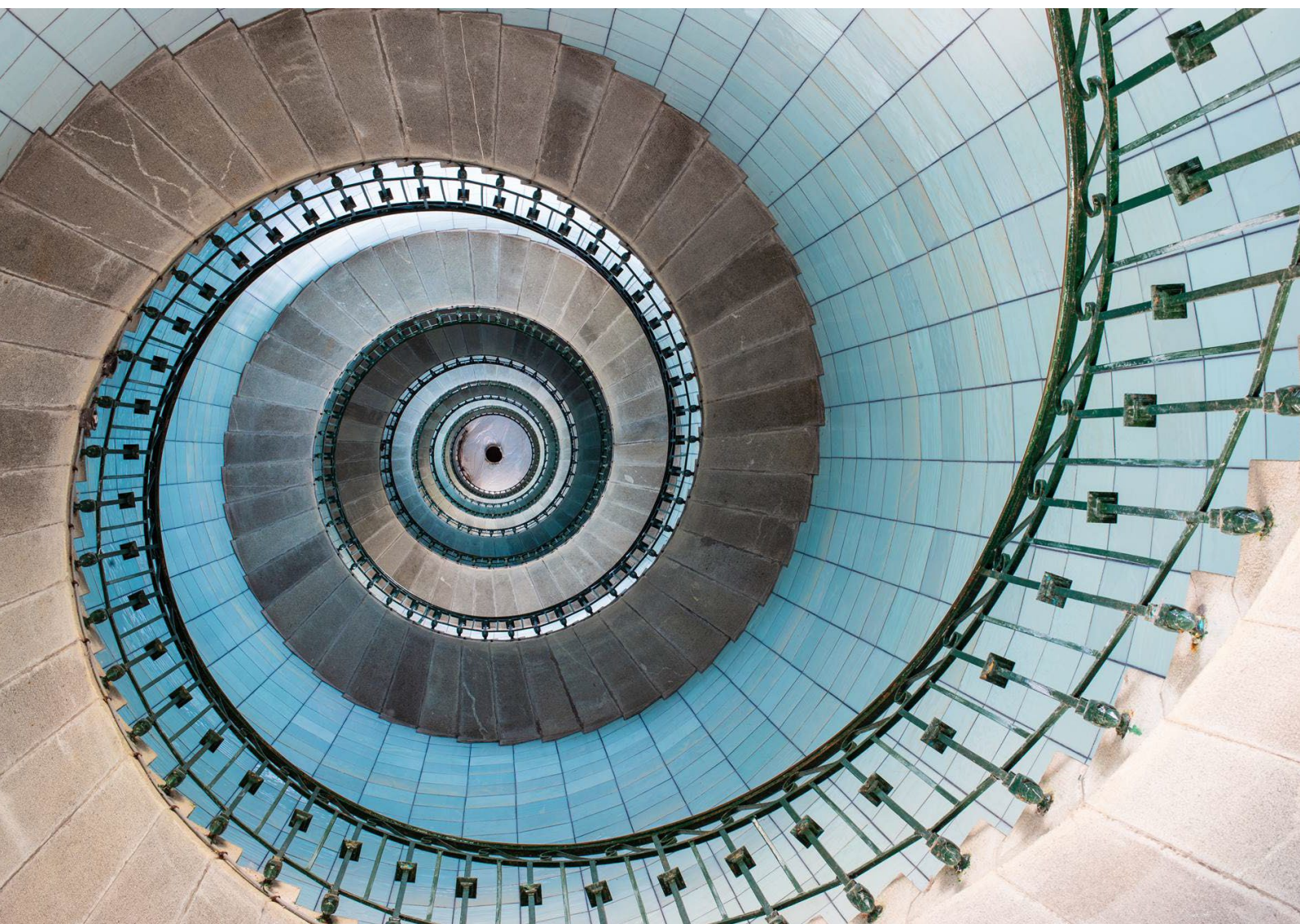


DATE

23 October 2024

REFERENCE

0737432



DOCUMENT DETAILS

DOCUMENT TITLE	Annual Environmental Management Review 2023 – 2024
DOCUMENT SUBTITLE	Wetherill Park Resource Recovery Facility
PROJECT NUMBER	0737432
Date	23 October 2024
Version	01
Author	Ruel Muldoon, Jaimie Soper
Client name	Veolia Recycling and Recovery Pty Ltd

DOCUMENT HISTORY

				ERM APPROVAL TO ISSUE		
VERSION	REVISION	AUTHOR	REVIEWED BY	NAME	DATE	COMMENTS
Draft	01	Jaimie Soper	Michael Mercer	Rob MacIntosh	27.09.2024	Client Review
Final	01	Michael Mercer	Rob MacIntosh	Rob MacIntosh	23.10.2024	

SIGNATURE PAGE

# Annual Environmental Management Review 2023 – 2024

Wetherill Park Resource Recovery Facility  
0737432



**Jaimie Soper**  
Environmental Consultant



**Michael Mercer**  
Project Manager



**Rob MacIntosh**  
Partner

Environmental Resources Management  
Australia Pty Ltd  
Level 14 207 Kent Street  
Sydney NSW 2000  
T: +61 2 8584 8888

© Copyright 2024 by The ERM International Group Limited and/or its affiliates ('ERM'). All Rights Reserved.  
No part of this work may be reproduced or transmitted in any form or by any means, without prior written permission of ERM.

## CONTENTS

TITLE BLOCK	1
1. STATEMENT OF COMPLIANCE	2
2. INTRODUCTION	5
2.1 OBJECTIVE	5
2.2 SCOPE OF WORKS	5
2.3 ENVIRONMENTAL MANAGEMENT PLAN	6
3. LICENSING APPROVALS	7
3.1 SSD DEVELOPMENT CONSENT	7
3.2 NSW EPA ENVIRONMENTAL PROTECTION LICENCE	7
3.3 AEMR REPORTING REQUIREMENTS	8
3.4 EIS (GOLDER ASSOCIATES, 2017)	8
3.5 INDEPENDENT ENVIRONMENTAL AUDIT	9
4. SITE MANAGEMENT	13
4.1 SITE DESCRIPTION	13
4.2 SITE HISTORY	13
4.3 SITE OPERATIONS OVERVIEW	13
4.4 SITE IMPROVEMENTS	14
4.5 LEACHATE MANAGEMENT	14
4.6 STORM WATER MANAGEMENT	15
4.7 VEGETATION MANAGEMENT	15
4.8 ODOUR MANAGEMENT	15
4.9 TRAFFIC MANAGEMENT	16
4.10 SURROUNDING LAND USES AND RECEPTORS	16
4.11 GEOLOGY	16
4.12 HYDROGEOLOGY	16
4.13 LOCAL CLIMATE	17
5. COMPLAINTS AND ENVIRONMENTAL INCIDENTS	18
5.1 COMPLAINTS	18
5.2 ENVIRONMENTAL INCIDENTS	18
5.3 NSW EPA STATUTORY PENALTY NOTICES	18
6. MONITORING PROGRAM	19
6.1 ROLES AND RESPONSIBILITIES	19
6.2 NOISE	19



6.3	DUST	19
6.4	ODOUR	20
6.5	TRADE WASTE	20
7.	ASSESSMENT CRITERIA	21
7.1	SITE OPERATION LIMITS – WASTE ACCEPTANCE	21
7.2	NOISE LIMITS	21
7.3	DUST	21
7.4	ODOUR	22
7.5	TRADE WASTE	22
8.	RESULTS	23
8.1	SITE OPERATION LIMITS – WASTE ACCEPTANCE	23
8.2	NOISE	24
8.3	DUST	25
8.4	ODOUR	25
8.5	TRADE WASTE	25
8.6	TRAFFIC MANAGEMENT	26
8.7	EIS PREDICTIONS	26
9.	CONCLUSIONS	27
10.	STATEMENT OF LIMITATIONS	28

APPENDIX A COMPLAINTS TABLE

APPENDIX B FIGURES

APPENDIX C DEVELOPMENT CONSENT

APPENDIX D MANAGEMENT PLANS

APPENDIX E ENVIRONMENTAL PROTECTION LICENCE

APPENDIX F NOISE ASSESSMENT

APPENDIX G TRADE WASTE REPORTS

APPENDIX H MONITORING INSPECTIONS

APPENDIX I AIR AND DUST ASSESSMENT

## LIST OF TABLES

TABLE 1-1	SUMMARY OF COMPLIANCE	2
TABLE 1-2	SUMMARY OF NON-COMPLIANCE	2
TABLE 3-1	DA (MODIFICATION 2) SCHEDULE 2, CONDITION C8 REQUIREMENTS	8
TABLE 3-2	IEA NON-COMPLIANCES AND FINDINGS	10
TABLE 4-1	ADJACENT LAND USES	16
TABLE 4-2	NEAREST SENSITIVE LAND USE	16
TABLE 4-3	SUMMARY OF GROUNDWATER BORE INFORMATION	17
TABLE 6-1	ROLES AND RESPONSIBILITIES	19
TABLE 7-1	NOISE LIMITS FOR WETHERILL PARK RRF	21
TABLE 7-2	TRADE WASTEWATER ACCEPTANCE STANDARDS	22
TABLE 8-1	PRODUCTION SUMMARY	23

## TITLE BLOCK

Item	Details
Name of Operation	Wetherill Park Resource Recovery Facility
Name of Operator	Veolia Recycling and Recovery Pty Ltd
Development Consent No.	SSD 7267
Name of Holder of Project Approval	Veolia Recycling and Recovery Pty Ltd
Environmental Protection Licence No.	4548
Name of Holder of EPA Licence	Veolia Recycling and Recovery Pty Ltd
Annual Review Start Date	15 June 2023
Annual Review End Date	14 June 2024
Name of Authorised Reporting Officer	Dora Ambrosi-Wall
Title of Authorised Reporting Officer	Environmental Advisor

I, Dora Ambrosi-Wall certify that this audit report is a true and accurate record of the compliance status of the Veolia Wetherill Park RRF for the period of 15 June 2023 to 14 June 2024 and that I am authorised to make this statement of behalf of Veolia Recycling and Recovery Pty Ltd.

<b>Signature of Authorised Reporting Officer</b>	
<b>Date</b>	

## 1. STATEMENT OF COMPLIANCE

The purpose of the Annual Environmental Management Review (AEMR) is to undertake an assessment and review of compliance, environmental impact predictions and the effectiveness of environmental measures required under Development Consent SSD 7267.

The overall assessment of environmental performance for this reporting period demonstrated nine non-compliances with the Project Approval. A summary of the AEMR findings is presented in Table 1-1 and Table 1-2, below. A comprehensive table with compliance status of Environmental Project Approval conditions is included in Appendix A.

**TABLE 1-1 SUMMARY OF COMPLIANCE**

Relevant Approval	No. of Conditions Compliant / Not Applicable	No. of Conditions/ Non-Compliant	No. of Conditions Not Verified
Development Consent SSD 7267	69	9	4

Non-compliances reported during this AEMR are summarised in Table 1-2.

**TABLE 1-2 SUMMARY OF NON-COMPLIANCE**

Relevant Approval	Condition	Summary	Where addressed in the AEMR
Development Consent SSD 7267	A1	Veolia generally demonstrated compliance with the requirements of this consent to implement all measures to prevent/minimise potential environmental harm, with the exception of non-conformances for conditions B5 and B6.	Section 4.6 and 8.5
Development Consent SSD 7267	A2	Veolia generally demonstrated compliance with the requirements of this consent to implement all measures to prevent/minimise potential environmental harm, with the exception of non-conformances for conditions A1, A6, A7, A8, A9, A19, A20, A27A, B5, B6, B17 and C13.	Section 3.5 Section 4.6 Section 7.1 Section 8.1 Section 8.4 Section 8.5
Development Consent SSD 7267	A6	Veolia reported the following non-compliances with the EPL: <ul style="list-style-type: none"> <li>• L2.1 exceeded 70,000 t of GSW (putrescible) during a 12 month period.</li> <li>• L2.2 exceed 2,400 t on-site at any one time.</li> <li>• O.1 Paper and cardboard was received outside covered area.</li> <li>• O6.3 General solid waste (putrescible) was not removed within 24hrs of it being received at the premises</li> </ul>	Section .8.1



Relevant Approval	Condition	Summary	Where addressed in the AEMR
Development Consent SSD 7267	A7	<p>Veolia received the following waste volumes during the reporting period:</p> <ul style="list-style-type: none"> <li>Putrescible GSW: 73,997.95 t</li> <li>Non-putrescible GSW: 27,494.32 t</li> <li>Asbestos waste: 334.76 t annual</li> </ul> <p>Veolia reported all volumes within acceptance limits, with the exception of asbestos (per week);</p> <ul style="list-style-type: none"> <li>February (19 – 23): 13.02 t</li> <li>May (27 – 31): 11.54 t</li> </ul>	Section 7.1
Development Consent SSD 7267	A8	<p>More than 573m<sup>3</sup> or 402.5 tonnes of general solid waste (putrescible) was stored at the Site at any given time during the below months;</p> <ul style="list-style-type: none"> <li>2023 - June 9 times, July 5 times, Sep 2 times, Oct 1 time, Nov 1 time, Dec 3 times</li> <li>2024 - Feb 6 times, Mar 27 times, Apr 17 times, May 4 times.</li> </ul> <p>The maximum volume of GSW in exceedance of the allowance was 353.82t in March 2024.</p> <p>The majority of the non-conformances were due to wet weather.</p>	Section 8.1
Development Consent SSD 7267	A9	<p>General solid waste (putrescible) was not removed within 24hrs of it being received at the premises. The site does not dispatch waste to Landfills on weekends (Saturday's), due to the low intake of waste material that remains on the floor, putrescible waste can be on site for more than 24 hrs on weekends.</p>	Section 8.1
Development Consent SSD 7267	A19	<p>Installation of the First flush system was completed in accordance with the Stage 2 DA requirements, however ERM has not been informed if the relevant approvals have been provided to the service providers under this Condition.</p>	Section 4.6
Development Consent SSD 7267	A20	<p>Development plans were submitted prior to Stage 1 construction; however, Veolia has not confirmed if this Condition was met for Stage 2.</p>	-
Development Consent SSD 7267	A27A	<p>Veolia have confirmed in the 2023 IEA that an interim Occupation Certificate was issued, however Stage 2 construction is currently underway without a FOC.</p>	Section 3.5
Development Consent SSD 7267	B5	<p>Veolia report the first flush detention tank was installed in December 2023, however, have been unable to provide any evidence of its completion in relation to this condition.</p>	Section 4.6

Relevant Approval	Condition	Summary	Where addressed in the AEMR
Development Consent SSD 7267	B6	A suitable meteorological station was installed on the site, however, was non-functioning during August 2023. Veolia reports that a replacement meteorological station was installed and commissioned in September 2023.	Section 8.5
Development Consent SSD 7267	B17	An Odour Audit was not submitted to the EPA and Secretary for the Development after the commencement of Stage 2 operations.	Section 8.4
Development Consent SSD 7267	C13	ERM understand the IEA was conducted in September 2023 by Epic Environmental. Veolia have been unable to provide a date of submission to the Department.	Section 3.5

## 2. INTRODUCTION

Environmental Resources Management Australia Pty Ltd (ERM) was engaged by Veolia Recycling and Recovery Pty Ltd (Veolia) to prepare the 2023-2024 Annual Environmental Management Review (AEMR) for the Veolia Wetherill Park Resource Recovery Facility (the Site). The Site is located at 20 Davis Road, Wetherill Park, New South Wales (NSW), 2164 (Lot 402, DP 603454). The Site location is presented in Figure 1, Appendix B and the Site layout is presented in Figure 2, Appendix B.

The Site was historically approved by Fairfield Council in November 1989 for the operation of a non-putrescible waste transfer station. In the following years numerous development applications were approved, including consent to accept putrescible waste and asbestos material. Site operations ceased temporarily at the facility due to damage caused from a significant fire on 26 January 2019. An approval for redevelopment was subsequently sought from and issued by the New South Department of Planning, Industry and Environment through State Significant Development (SSD) Consent SSD 7267-MOD-2 (the DA) and under the NSW Environmental Planning and Assessment Act 1979. The DA is included in Appendix C. The approval allowed for operation under Stage One and Stage Two conditions. The Site is currently operating under Stage Two operations.

The modified DA (MOD-2) permits an increase in the processing capacity of the existing waste transfer station at the Site, to 230,00 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (GSW) (putrescible) and 90,000 tpa of GSW (non-putrescible). However, despite the increased waste volumes of the DA modification, the EPL has not been varied and only permits a maximum of **70,000 tpa of GSW (putrescible)**, along with various other source separated non-putrescible waste streams. For the purposes of the Site operation, the EPL limits are applicable as the lower of the permitted volumes. The Site accepts and sorts commercial and council wastes, including asbestos waste, and facilitates transfer to an appropriate recycling facility or landfill.

The AEMR is based on information provided by Veolia. ERM did not conduct a Site visit as part of the preparation of the AEMR and has relied on the accuracy of the information provided through correspondence with Dora Ambrosi-Wall, (Veolia Environmental Advisor).

### 2.1 OBJECTIVE

The objective of this AEMR is to comply with the reporting requirements of Schedule 2, Condition C8 of the DA – Annual Reporting.

The specific reporting requirements are described in Section 3.3 of this AEMR.

### 2.2 SCOPE OF WORKS

This AEMR assesses data collected from the environmental monitoring program which is implemented at the Site to measure and monitor the Site's overall environmental performance and compliance with the DA and Environment Protection Licence (EPL) 4548. This AEMR is for the monitoring period of 15 June 2023 to 14 June 2024. It should be noted that this AEMR is also only associated with the current Stage of works for the Site – being Stage 2. Stage 1 conditions have been addressed in previous AEMR's.

This AEMR is separate to the Independent Environmental Audit (IEA) process, which is completed within one year of the commencement of operation, and every three years thereafter in accordance with the DA. The AEMR is an annual self-reporting tool to assess and review environmental performance.

ERM have assisted Veolia in the compilation and review of data but have not performed a detailed independent verification of data collected by other parties and supplied for collation in this AEMR. Further distinctions between the two processes are provided in Section 3 and Section 4.

## 2.3 ENVIRONMENTAL MANAGEMENT PLAN

In order to maintain compliance with the Sites licences and approval documents, Veolia undertakes a monitoring program for the Site, which has been designed on an annual timeframe.

The monitoring program incorporates the monitoring required under the Sites licences and approvals as well as additional data collection that is viewed by Veolia as beneficial from the perspective of environmental diligence. The data collected under this program allows assessment of the Site's compliance with relevant documents and allows assessment of the Site's overall environmental performance.

The management strategies which Veolia employ to mitigate and monitor a number of environmental issues are described in the Wetherill Park Resource Recovery Facility (RRF) Operational Environmental Management Plan (OEMP). The OEMP specifies the requirements of the monitoring program (described in Section 6), which this AEMR reports on. The OEMP, dated September 2021, is included in Appendix D.



## 3. LICENSING APPROVALS

### 3.1 SSD DEVELOPMENT CONSENT

The Site is regulated through conditions contained within DA number SSD 7276 (provided in Appendix C). Compliance with the DA is assessed in detail on the basis of the information presented in this AEMR in Appendix A. The Project Approval was issued in 2017 by the NSW Minister for Planning via the former Department of Planning and Environment (now the Department of Planning, Industry and Environment) and is subject to further approved modifications:

- MOD 1: SSD 7276 – Installation requirement of a meteorological station; and
- MOD 2: SSD 7276 – Staged construction and increase in the processing capacity of general solid waste (putrescible) from 70,000 to 140,000 tonnes annually (Stage 2 operations). The modification approval 2 was issued in April 2019.

It is noted that the DA MOD 2 increase in processing capacity exceeds the limits included in the EPL (see Section 3.2). In order to meet the DA MOD 2 capacity an EPL variation would need to be submitted following the completion of construction requirements for Stage 2 operations to align with the new DA waste processing capacities.

The DA includes a number of conditions for both the planning and operational management of the Site. The conditions specify a requirement for the development of a suite of management plans, monitoring requirements, operational guidelines and reporting requirements. The DA criteria are summarised in Section 7 of this report and assessment of the Sites monitoring data against the DA criteria is included in Section 8.

Schedule 2, Condition C8 of the DA specifies that an AEMR be produced for the Site to the satisfaction of the Department of Planning, Industry and Environment. This AEMR has been produced to satisfy Schedule 2, Condition C8 of the DA. The specific requirements listed for inclusion in the AEMR are further described in Section 3.3 below.

The DA also includes a requirement for an Independent Environmental Audit to be completed for the Site 'within one year of the commencement of operation, and every 3 years thereafter'. Most recently this was completed during the 2020-2023 reporting period by Epic Environmental (Epic). Further detail regarding the IEA is described in Section 3.5 of this AEMR.

### 3.2 NSW EPA ENVIRONMENTAL PROTECTION LICENCE

The Site is also regulated by the NSW Environment Protection Authority (EPA) under the Protection of the Environment Operations Act 1997 (POEO Act). The NSW EPA administers its regulation via EPL 4548. The EPL includes the minimum conditions under which the Site may operate in order to maintain compliance with the POEO Act.

The EPL contains conditions which are relevant to the AEMR which include those relating the implementation of a monitoring program. No environmental parameters specifically requiring data collection are listed in the EPL, however it is a condition to monitor the wastes received at the Site.

The EPL format was updated 1 July 2022, which included the change of licensee to Veolia from Suez. No variations to the monitoring conditions in the EPL were made in the 2022 update, as confirmed by the EPA website. The EPL is included in Appendix E.

### 3.3 AEMR REPORTING REQUIREMENTS

This AEMR has been developed as per Schedule C8 (Modification 2, 4th April 2019) of the DA. The condition states 'Each year, the applicant must review the environmental performance of the Development to the satisfaction of the Secretary'.

The specific requirements of the Condition and references to the section of the AEMR are presented in Table 3 1 below:

**TABLE 3-1 DA (MODIFICATION 2) SCHEDULE 2, CONDITION C8 REQUIREMENTS**

Condition Requirement	AEMR Section
a) describe the operations that were carried out in the previous calendar year, and the operations that are proposed to be carried out over the next year;	Section 4.3 and 4.4
b) include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of the results against the:	Section 5.1 and Section 8
(i) the relevant statutory requirements, limits or performance measures / criteria;	Section 3 and Section 7
(ii) requirements of any plan or program required under this approval;	Section 6, Appendix A, C and E.
(iii) the monitoring results of previous years; and	Section 8
(iv) the relevant predictions in the EIS.	Section 8
(c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;	Section 1, Section 08 and Appendix A
(d) identify any trends in the monitoring data over the life of the Development;	Section 8
(e) identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and	Section 8
(f) describe what measures will be implemented over the next year to improve the environmental performance of the Development.	Section 4.4

*EIS: Environmental Impact Statement*

### 3.4 EIS (GOLDER ASSOCIATES, 2017)

As part of the planning of the Wetherill Park RRF, an Environmental Impact Statement (EIS) was completed by Golder Associates (2017). The EIS included various reviews of the potential environmental impact of the Site based on certain environmental parameters (noise, dust odour etc.). These reviews were used to make predictions as to whether the operation of the Site would have any adverse or unacceptable environmental effects.

The key predictions of the EIS were as follows:

- As the proposal is seeking to make predominantly internal amendments to an RRF within an established industrial estate, it is considered it will have a negligible impact upon flora and fauna;

- Odour levels are not predicted to exceed the EPA criterion at residential locations;
- Dust will be mitigated such that the potential impact of dust from operation of the Site is assessed as low;
- The facility operating at full capacity under neutral weather conditions will not exceed the relevant noise criteria at residences in proximity to the site;
- The Site would have a low impact upon the safety and efficiency of the surrounding road network and no additional infrastructure to ameliorate potential traffic and safety impacts are required; and
- The visual impact is considered low. The visible features of the Proposal will be commensurate with the visual character of the Wetherill Park Resource Recovery Facility site and surrounding industrial area.

The assessment criteria which have been adopted to screen the data collected during the reporting period (refer to Section 7) is largely aimed at verifying the key predictions made during the EIS. Exceedances of the assessment criteria may indicate that either the predictions of the EIS were not accurate, or the Site is not being operated within the requirements of the draft compilation of mitigation measures which was relied during the EIS to make predictions.

### 3.5 INDEPENDENT ENVIRONMENTAL AUDIT

Schedule C12 of the DA requires an Independent Environmental Audit (IEA) within one year of the date of the commencement of operations under DA SSD 7267 (9 December 2019) and every three years thereafter. An initial IEA was conducted by Element that covered the period of December 2019 to October 2020.

Following, an IEA was conducted by Epic Environment (Epic) that covered the period of November 2020 to July 2023. The Audit satisfied condition C12 of DA SSD 7267 and included assessment of the environmental performance and compliance status of the development against the Audit criteria. The Audit consisted of meetings, Site interviews and Site inspections. The IEA, dated 21 September 2023, reported that a high level of compliance was demonstrated by Veolia and identified multiple positive observations during the IEA. These included the high level of housekeeping across the site, knowledge of the weighbridge operators, and comprehensive management plans. Veolia have been unable to provide a date of submission to the Department, therefore this has resulted in a non-compliance for Condition C14.

The findings of the Audit included compliance with 95 of the 149 audit criteria, with non-compliance with 10 of the Audit criteria and 44 Audit criteria were not triggered. Table 3-2 lists the IEA non-compliances and findings.

The next IEA is expected to occur in 2026.

TABLE 3-2 IEA NON-COMPLIANCES AND FINDINGS

Condition ID	Relevant Condition / Section	IEA Recommended Actions	Veolia Proposed Action	Status
DA - A1	In addition to meeting the specific performance criteria established under this consent, the Applicant must implement all measures to prevent and/or minimise any harm to the environment that may result from the Development.	Refer to NC-05 and NC-06 for recommended actions. Note: The Applicant generally demonstrated compliance with the requirements of this consent with the exception of non-conformances identified for conditions B4, B5 and B23(b).	Wastewater will continue to be monitored and reported as required by the Trade Waste Agreement with Sydney Water. A work order has been submitted for the installation of the first flush system.	Complete (First Flush system installed 1/12/2023) – pending compliance
DA – A2	The Applicant, in acting on this consent, must carry out the Development in accordance with the: a) State significant development application SSD 7267; b) EIS and RTS; c) conditions in Schedule 2; d) SSD 7267 MOD 1; e) SSD 7267 MOD 2; f) development layout plans and drawings listed in Appendix A; and g) the Management and Mitigation Measures as identified in Appendix B.	Implement recommended actions for all nonconformances identified in this action plan. Note: The Applicant generally demonstrated compliance with the requirements of this consent with the exception of non-conformances identified for conditions A1, A2, A6, A7, A8, A9, A25, A27, A27a, and B6.	Refer to the Proponents proposed actions for all non-conformances.	Ongoing
DA - A8	The Applicant must not store on site more than 575 m <sup>3</sup> or 402.5 tonnes of general solid waste (putrescible) at any given time without prior approval from the Planning Secretary in consultation with the EPA.	The applicant is to continue to monitor weather events and ensure waste that is accepted, processed onsite does not exceed the limits as outlined in this condition. Note: This non-conformance was a result of a weather event outside of the facility's control and was reported to the EPA. This non-conformance did not result in a penalty notice.	A new weather station has been installed. Weather will continue to be monitored and, in the event, significant rainfall is predicted: • material levels will be maintained on site as low as reasonably practicable • waste will be diverted to other sites if material levels are approaching capacity	Complete (Veolia reports weather station installation July 2023) – however condition A8 is frequently not conformed to



Condition ID	Relevant Condition / Section	IEA Recommended Actions	Veolia Proposed Action	Status
DA – A9	The Applicant must not store general solid waste (putrescible) at the site for more than 24 hours from the time of receipt.	Prepare and submit a modification to the consent requesting a change in wording to this condition to reflect the facilities operating hours.	A modification of the existing consent will be considered.	Ongoing
DA – 27	Prior to the commencement of Stage 1 operations, the Applicant must ensure a Final Occupation Certificate, or a Compliance Certificate has been issued for the following: a) additional pavement and hardstand; b) stormwater system; c) fire safety system upgrade; and d) temporary perimeter access road.	Continue to progress with the modification for stage 2. Once approved and stage 2 works are complete, obtain final certification and submit to the Department.	Modification 2 has been submitted and is currently going through the approval stage with the Department.	Ongoing
DA – B4	The Applicant shall ensure all wastewater is discharged to sewer in accordance with a Trade Waste Agreement with Sydney Water.	No action required. Non-conformance is reported to Sydney Water, and it determines charges to trade wastewater as opposed to an infringement being issued.	Wastewater will continue to be monitored and reported as required by the Trade Waste Agreement with Sydney Water.	Ongoing
DA – B5	The Applicant must ensure the first flush detention tank is bunded 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	Install the first flush system and provide evidence once works are complete and that it has been installed/certified by a suitably qualified person.	A work order has been submitted for the installation of the first flush system.	Complete (First Flush system installed 1/12/2023) – pending compliance

Condition ID	Relevant Condition / Section	IEA Recommended Actions	Veolia Proposed Action	Status
	Management, technical bulletin (EPA, 1997). In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement			
DA – B23 (b)	The Applicant must design, install and operate a stormwater management system for the Development. The system must: b) be generally in accordance with the conceptual design in the EIS and applicable Australian Standards;	Install the first flush system and provide evidence once works are complete and that it has been installed/certified by a suitably qualified person.	A work order has been submitted for the installation of the first flush system.	Complete (First Flush system installed 1/12/2023) - pending compliance
EPL – 2.2	The authorised amount of waste permitted on the premises cannot exceed 2,400 tonnes at any one time.	The applicant is to continue to monitor weather events and ensure waste that is accepted, processed onsite does not exceed the limits as outlined in this condition. Note: This non-conformance was a result of a weather event outside of the facility's control and was reported to the EPA. This non-conformance did not result in a penalty notice.	A new weather station has been installed. Weather will continue to be monitored and in the event significant rainfall is predicted: • material levels will be maintained on site as low as reasonably practicable • waste will be diverted to other sites if material levels are approaching capacity	Complete (Veolia reports weather station installation July2023)
EPL – O6.3	The licensee must remove all general solid waste (putrescible) within 24 hours of it being received at the Premises.	Prepare and submit a modification to the consent requesting a change in wording to this condition to reflect the facilities operating hours.	A modification of the existing consent will be considered.	Ongoing

## 4. SITE MANAGEMENT

### 4.1 SITE DESCRIPTION

The Site is located at 20 Davis Road, Wetherill Park, within the Fairfield Local Government Area (LGA) in the Greater Western Sydney region. The Wetherill Park RRF is strategically located between the Eastern Creek and Kemps Creek landfill sites, providing processing and transfer facilities to support the operation of these sites.

A combined entrance and exit for both commercial and domestic vehicles off Davis Road is located in the North Eastern corner of the Site. The infrastructure at the Site comprises a weighbridge, office, parking areas and WTS. The Site layout is presented in Figure 2, Appendix B.

### 4.2 SITE HISTORY

According to the EIS, the Site was historically approved by Fairfield Council in November 1989 for the operation of a non-putrescible waste transfer station. In the following years numerous development applications were approved, including consent to accept putrescible waste and asbestos material.

Site operations ceased temporarily at the facility due to damage caused from a significant fire on 26th January 2019. Construction was undertaken subsequently to allow for the current operational requirements, which recommenced on 9th December 2019.

### 4.3 SITE OPERATIONS OVERVIEW

The Site is approved under the DA to receive and process the following quantities of various waste streams following staged development (described in Section 1) as follows:

Stage 1 operations:

- < 90,000 tpa of GSW (non-putrescible);
- < 70,000 tpa of GSW (putrescible); and
- < 10m<sup>3</sup> of asbestos waste per week.

Stage 2 operations:

- < 90,000 tpa of GSW (non-putrescible);
- < 140,000 tpa of GSW (putrescible); and
- < 10m<sup>3</sup> of asbestos waste per week (noting that the yet to be determined DA MOD3 proposes to increase asbestos waste acceptance to 40 m<sup>3</sup> per week).

Currently the Site has entered Stage 2, however it is still operating under the Stage 1 operations limits for receiving waste (aka, still <70,000 tpa). It is noted that the Stage 2 (DA MOD 2) increase in processing capacity exceeds the limits included in the EPL (see Section 3.2). In order to meet the DA MOD 2 capacity an EPL variation would need to be submitted following the completion of construction requirements for Stage 2 operations to align with the new DA waste processing capacities. It is understood that an EPL variation is yet to be submitted.

The Site is currently permitted to operate 24 hours per day Monday to Sunday (unrestricted hours) under the DA. General public access to the RRF is limited to 5am to 4.30pm Weekdays, and 6am to 1pm Saturday. The Site is not open or operational on Sunday. All waste transport vehicles enter the Site via the incoming weighbridge. The weighbridge operator is responsible for recording all details of the waste accepted onto the Site and directing waste streams to the correct section of the Site for processing. Within the waste transfer station, vehicles unload the waste into designated areas onto the floor, keeping putrescible and non-putrescible waste separate.

Small vehicles unloading are required to source separate recyclable and recoverable materials (paper/ cardboard/ plastics/ metals/ timber) into the bins provided. Asbestos is unloaded at a designated asbestos unload location outside of the waste transfer station building.

Following sorting and processing, residual waste which cannot be recovered and asbestos waste is transferred to other disposal facilities, such as the Lucas Heights Resource Recovery Park, Elizabeth Drive Landfill, Bingo at Eastern Creek and Clyde transfer Terminal.

The Site currently maintains a stock of chemicals which are used for various purposes during routine Site operations. Of note are the quantities of chemicals which are stored above ground on the Site within bunded storage sheds, which include diesel (~13,000 litres (L)), hydraulic oil fluid (~60 L) Gear Oil (~40L), sodium hydroxide (~50 L) and Forklift Gas (50kg).

The Applicant must provide regular reporting on the environmental performance of the Development on its website, in accordance with the reporting arrangements in any plans or approved programs. Documents listed in Condition C14, including but not limited to environmental management plans, a complaints register and current approvals are to made available on Veolia's website. These documents were generally available to be located on Veolia's website during a review on 23 October 2023.

#### 4.4 SITE IMPROVEMENTS

The Site completed the below development works during the 2023/24 reporting period.

- Installation of a first flush system and trade water treatment system;
- The weighbridge scale was updated;
- Installation of a new meteorological weather station (commissioned 20 July 2023); and
- Upgrade of the onsite diesel tank (13,000L) (installation 7 November 2023).

ERM is not aware of any other planned site improvements for the 2024/25 reporting period.

#### 4.5 LEACHATE MANAGEMENT

Site activities generate insignificant volumes of leachate through the transfer station. Fluids that may have leached through waste is captured and treated, to ensure it does not impact water sources and receptors off-site. Veolia manages leachate in accordance with the requirements set out in the OEMP and the Leachate Management Standard Operating Procedure (SOP) SOP036. The OEMP is included in Appendix D.

Internal sealed areas of the Site drain any leachate generated through a collection or separator pit, then on to be contained and treated within the trade waste treatment system. The leachate is treated such that it complies with the Site's Sydney Water Trade Waste Agreement 7976 (the TWA). Once it has been treated, the water is tested for monitoring purposes to ensure it meets the acceptance standards set out in the TWA. It is directed off-site into the sewer system. The Site's compliance with the TWA is discussed further in Section 6.5 and Section 7.5 of this AEMR.

## 4.6 STORM WATER MANAGEMENT

The primary objective of water management on Site is to reduce any potential impacts of the facility to the surrounding water courses or groundwater. Veolia manages water on Site in accordance with the Water Management SOP (SOP069). It is noted that the EIS predicted that the potential 'water impacts of the Proposal are assessed as minor'.

Runoff from paved areas external to the waste transfer station and from roof guttering is directed to drains which direct storm water offsite. All storm water from the paved areas and roof guttering is maintained as separate from the leachate management system to prevent cross-contamination of the runoff prior to off-site discharge. The point of discharge is fitted with a key stone shut off valve which can be closed to prevent discharge in the event of a spill.

During ERM's review of DA conditions, it was noted that Condition B5 includes a requirement for a First Flush system to be installed at the Site. The First Flush system is designed to capture the initial portion of rainfall as waste, rather than freely discharging all stormwater through the key stone valve. Veolia has advised that a First Flush system was installed at the Site in December 2023. ERM have been advised that the First Flush system was constructed in accordance with Condition A19 and B5, however no evidence has been provided.

## 4.7 VEGETATION MANAGEMENT

The Site is predominately sealed by concrete and hardstands, however landscaped grassed areas with tree/shrub vegetation exists across the Site. Landscaped areas are maintained in accordance with the Veolia document Site Maintenance – Transfer Stations SOP047 and Site Maintenance – Infrastructure SOP041.

## 4.8 ODOUR MANAGEMENT

An Odour Management Plan (OMP) has been developed and is in place for the Site in accordance with the conditions B14 and B15 of the DA. The OMP is included in Appendix D. The objective of the OMP is to ensure that the Site is operating in a manner that does not cause or permit the emission of any offensive odour beyond the boundary of the site. The OMP identifies a number of odour sources at the Site and specifies mitigation measures to reduce the impact of these sources. The key odour mitigations at the Site are enclosed waste receipt bays, internal waste processing under negative pressure and a deodoriser system installed at key odour sources.

The OMP specifies weekly odour monitoring and inspection of control mechanisms to be conducted by Veolia, which aims to ensure that odour controls are effective. The odour monitoring program is conducted to cover the Site, and if odour is detected efforts are made to determine the specific source of odour.

## 4.9 TRAFFIC MANAGEMENT

Traffic at the Site is managed under the Traffic Management Plan (TMP). The plan includes details on types of traffic flows, site roles, signage and traffic zones. The plan has been approved and satisfies DA condition B30 and B31.

## 4.10 SURROUNDING LAND USES AND RECEPTORS

Adjacent and sensitive land uses in the vicinity of the site are detailed in Table 4 1 and Table 4 2 below.

**TABLE 4-1 ADJACENT LAND USES**

Direction	Distance from Site Boundary	Land Use
North	Adjacent	Industrial Estate
East	Adjacent	Industrial Estate
South	Adjacent	Industrial Estate/Formal Landfill
West	Adjacent	Bushland/Power Easement

**TABLE 4-2 NEAREST SENSITIVE LAND USE**

Direction	Distance from Site Boundary	Sensitive Land Use
North	340m	Bushland followed by Prospect Reservoir (>800m)
South	1500m	Residential – Wetherill Park
East	2000m	Aspect Western Sydney School
West	1500m	Residential – Wetherill Park

## 4.11 GEOLOGY

The Penrith 1:100 000 Geological Sheet (Clark and Jones 1991) refers to the geology beneath the Site as Bringelly shale, carbonaceous claystone, claystone, laminate, fine to medium-grained lithic sandstone and rare coal and tuff.

## 4.12 HYDROGEOLOGY

There are currently no groundwater monitoring wells installed at the Site and no groundwater data for the Site is available. A search of ground water bores through the Australian Groundwater Explorer (Bureau of Meteorology (BOM)) was performed on 2 November 2023. The search indicated there were 15 licensed groundwater bores located within 500m of the Site. The results of the search are summarised in Table 8 below.

TABLE 4-3 SUMMARY OF GROUNDWATER BORE INFORMATION

Bore ID	Distance from Site Boundary	Depth (m)	Purpose
GW115363	400m to southeast	7	Monitoring
GW103822	450m to southeast	9	Monitoring
GW115372	350m to southeast	10.2	Monitoring
GW115373	300m to southeast	10	Monitoring
GW115374	300m to southeast	5.5	Monitoring
GW115368	330m to southeast	7.2	Monitoring
GW115364	400m to southeast	7	Monitoring
GW115369	400m to southeast	7.5	Monitoring
GW103824	450m to southeast	15	Monitoring
GW115370	350m to southeast	10.2	Monitoring
GW115367	400m to southeast	7.2	Monitoring
GW103823	450m to southeast	15	Monitoring
GW115362	450m to southeast	6	Monitoring
GW115371	400m to southeast	10.2	Monitoring
GW115366	400m to southeast	7	Monitoring

#### 4.13 LOCAL CLIMATE

Meteorological data for the Site was obtained from the weather station located on site during a portion of the reporting period. Rainfall data collected from the onsite weather unit reported a total of 850.4mm of rain from the beginning of the reporting period (15 June 2023) to 5 June 2024 (data range provided by Veolia). The highest daily total of 109.6 mm was recorded in April 2024.

The Site operates under a Flood Emergency Response Plan (FERP), which has been established to clearly define actions that should be taken in the event of a pending flood event. This plan is designed to work simultaneously with the sites odour, operational traffic and operational environmental management plans if an event occurs.

No flood events occurred at the Site during the reporting period. During the previous reporting period (2021/2022) the Site experienced a flood event in March 2022, which was declared a natural disaster, and the FERP was implemented.



## 5. COMPLAINTS AND ENVIRONMENTAL INCIDENTS

### 5.1 COMPLAINTS

Veolia maintains a register of all complaints received through the Veolia Interlex system. Veolia investigates and responds to complaints received in accordance with the Environmental Complaints Management SOP (SOP066). A free call telephone line through Veolia's customer Service Department operates 24 hours a day, 7 days per week. Veolia may also be referred complaints through the NSW EPA complaint line, which are also recorded in the Interlex system as required.

During the reporting period, ERM understand that no complaints were issued to the NSW EPA relating to the Wetherill Park Site.

### 5.2 ENVIRONMENTAL INCIDENTS

The DA refers to an incident a 'set of circumstances causing or threatening material harm to the environment, and/or an exceedance with the limits of performance criteria in this consent'. All environmental incidents are to be recorded in accordance with the Incident Reporting and Corrective Action Procedure.

Veolia maintains a register of all environmental incidents through the VEOLIA Interlex system. No incidents were reported during the 2023-24 reporting period.

Several operational non-conformances were reported which had the potential to pose an environmental risk, however no subsequent environmental incidents have been communicated to ERM or the NSW EPA. Further detail of the site operation limits for waste acceptance is provided in Section 8.1.

### 5.3 NSW EPA STATUTORY PENALTY NOTICES

According to the NSW EPA POEO register, the Site (as regulated under EPL 4548) did not receive any penalty notices during the reporting period.

## 6. MONITORING PROGRAM

### 6.1 ROLES AND RESPONSIBILITIES

Table 6-1 below identifies the roles and responsibilities of all parties involved in the implementation of the environmental monitoring requirements.

**TABLE 6-1 ROLES AND RESPONSIBILITIES**

Role	Responsible Part for Monitoring
Authority	NSW DPHI/NSW EPA
Dust Monitoring	Veolia
Noise Monitoring	Hibbs and Associates
Odour Monitoring	Veolia
TWA Monitoring	Veolia
AEMR Preparation	ERM

### 6.2 NOISE

Noise limits for the Site are prescribed in the DA (SSD 7267) for locations at residential receivers. Although the DA does not specify a frequency for noise monitoring to be undertaken, the Site OEMP includes noise management strategies including that “Independent noise monitoring will be conducted annually.”

There were no noise monitoring assessments conducted during the 2023-24 reporting period. This is further discussion in Section 8.2.

### 6.3 DUST

The management of air quality and dust is conducted in accordance with the requirements of the Site Maintenance – Infrastructure Facilities (SOP041) and Site Maintenance – Transfer Station (SOP047) SOPs. The DA states that “the Applicant must implement all measures to minimise dust generated during construction and operation of the Development”. The DA does not include a specific requirement for dust monitoring to be undertaken, however the effectiveness of air quality mitigation measures outlined within the DA, including dust suppression sprays, are evaluated weekly through the Wetherill Park RRF Weekly Inspection checklist (FORM26.4.47). Potential dust generation activities at the Site are controlled by maintaining the roads in good conditions, road sweeping and cleaning with a skid steer loader.

The OEMP states that Veolia will engage a 3rd party to monitor air and dust quality. ERM understand that a 3<sup>rd</sup> party contractor completes air and dust monitoring as per the OEMP throughout the reporting period, which includes assessment of on-site dust gauges (installed on site 15 September 2023) in combination with the weekly inspections.

The results of air and dust monitoring are further discussed in Section 8.3.

An air and dust audit was completed by 3<sup>rd</sup> party contractor (HIBBS) on 4 and 10 January 2024. The assessment outcomes are provided in Appendix I.

## 6.4 ODOUR

Veolia conducts the following odour monitoring program as per the OMP which forms part of the OEMP:

- Weekly checklist of controls on potential odour sources;
- Weekly assessment of the Deodoriser Dust Suppression System;
- Weekly odour monitoring of any unusual level of odour at the following specified onsite locations:
  - Davis Road cul-de-sac;
  - Inbound weighbridge;
  - Outbound weighbridge;
  - Trade waste shed;
  - C&I entry door;
  - General public entry door;
  - Veolia Baling Services;
  - Asbestos bin area;
  - Tipping floor exit door;
  - Tunnel entry; and
  - Truck Parking.

The OMP is included in Appendix D.

In addition, in compliance with DA Condition B16, an odour audit and odour survey was conducted at Site by Todoroski Air Sciences on 4 September 2023. The audit is provided in Appendix H.

Further discussion regarding the monitoring and management of odour is provided in Section 8.4.

## 6.5 TRADE WASTE

Leachate and runoff from waste storage areas that is captured within the waste transfer station is considered potentially contaminated and is directed to and captured within the trade waste treatment system. The wastewater is treated and discharged to the sewer under the Trade Waste Agreement (7976) with Sydney Water. The treated wastewater is sampled for quality monitoring purposes. Wastewater samples are analysed for pH, temperature, suspended solids, sulfate (as SO<sub>4</sub>), aluminium, iron, zinc, ammonia, biochemical oxygen demand (BOD) and oil and grease.

Further discussion regarding the management of trade waste is provided in Section 8.5.

## 7. ASSESSMENT CRITERIA

### 7.1 SITE OPERATION LIMITS – WASTE ACCEPTANCE

The Site is licenced under the DA to receive and process the following quantities of various waste streams aligned with the Stage 1 operations as follows:

- < 90,000 tpa of GSW (non-putrescible);
- < 70,000 tpa of GSW (putrescible); and
- < 10m<sup>3</sup> of Asbestos waste per week.

It is noted that Stage 2 waste acceptance volumes exceed the EPL licence, so therefore cannot be adopted until a variation to the EPL is approved by the regulator.

The Applicant must not store on site more than 573m<sup>3</sup> or 402.5 tonnes of GSW (putrescible) at any given time without prior approval from the Planning Secretary in consultation with the EPA. The authorised amount of waste permitted on the premises cannot exceed 2,400 tonnes at any one time. In addition, GSW (putrescible) must not be stored at the Site for more than 24 hours from the time of receipt.

### 7.2 NOISE LIMITS

Noise limits for the Site are set out in the DA, which states that noise generated at the Site during operation does not exceed the noise limits summarised below in Table 7 1.

TABLE 7-1 NOISE LIMITS FOR WETHERILL PARK RRF

Location	Day	Evening	Night	
	L <sub>Aeq</sub> (15 minute) dB(A)	L <sub>Aeq</sub> (15 minute) dB(A)	L <sub>Aeq</sub> (15 minute) dB(A)	L <sub>Aeq</sub> (1 minute) dB(A)
All Residential Receivers	35	35	35	45

### 7.3 DUST

Both the DA and EPL do not specify any specific dust assessment criteria and required monitoring frequency, however the DA states that “the Applicant must implement all measures to minimise dust generated during construction and operation of the Development”.

Depositional dust measurements are carried out monthly and assessed by an accredited laboratory (ALS).

Mitigation measures include the use of dust suppression sprays over the vehicle entry and exit, and where waste is being tipped and processed. The Wetherill Park RRF Weekly Inspection checklist is completed weekly to ensure dust suppression systems and dust measures are working effectively.

## 7.4 ODOUR

The DA and EPL do not specify any specific odour assessment criteria, however both refer to Section 129 of the POEO Act 1997, that the Site must not cause or permit the emission of any offensive odour. The EPL goes on to state that the emission of an offensive odour is defensible if the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

The weekly checklist of potential odour source controls at the Site as well as odour sources included in the OMP are designed to ensure that the required odour minimisation controls are in place and effective. The OMP does not specify any specific thresholds, rather actions to be taken under the following conditions:

- If during the weekly checklist for inspections of controls are not in place as required by the OMP, then the controls are to be reinstated as soon as practicable;
- If an unusual level of odour is detected during the weekly inspections, the Site Manager should be notified so that the source can be determined and repaired; and
- External odour monitoring to be completed proactively, during adverse weather conditions or in response to an odour complaint.

## 7.5 TRADE WASTE

Wastewater, under the Trade Waste Agreement, is continuously discharged via the trade waste treatment system into the sewer with regular monitoring undertaken for water quality purposes. Acceptance standards for industrial customers are summarised below in Table 7 2.

**TABLE 7-2 TRADE WASTEWATER ACCEPTANCE STANDARDS**

Parameter	Unit	Acceptable Standard
Suspended Solids	mg/L	600
Sulfate	mg/L	2000
Aluminum	mg/L	100
Iron	mg/L	50
Zinc	mg/L	5
Ammonia	mg/L	100
Oil and Grease	mg/L	110
Biochemical Oxygen Demand	mg/L	-
pH	Ph Units	7-10

## 8. RESULTS

### 8.1 SITE OPERATION LIMITS – WASTE ACCEPTANCE

Veolia has provided data for the material accepted by the Site under various waste streams. The annual data provided to ERM by Veolia is included in Table 8-1 below.

**TABLE 8-1 PRODUCTION SUMMARY**

Material	Approved Limit (EPL and DA)	Previous Reporting Period (actual)	This Reporting Period (Actual)
GSW (Non-Putrescible)	<90,000 tpa	35,147.76 t	27,494.32 t
GSW (Putrescible)	<70,000 tpa*	94,856.12 t	73,997.95 t
Asbestos Waste	<10m <sup>3</sup> /week	Annual total 335.05 t Max Weekly Intake 9.72 t	334.76 t annual Max weekly intake 13.02t

\*The DA Condition A7 limits GSW (putrescible) to 140,000 tonnes per year, however the EPL Condition L2.1 restricts this limit to 70,000 t in any consecutive 12 month period.

Weekly totals of asbestos waste for the reporting period were provided, however were recorded in tonnes. In the absence of an appropriate conversion (it is understood asbestos waste can be in many forms) it is considered likely that the approval limit of 10m<sup>3</sup> was exceeded throughout the year. Acknowledged exceedances by Veolia over the reporting period were for any weekly intake tonnages exceeding 10 t, which were reported in February 2024 (12.02t) and May 2024 (11.54t).

This year the site received slightly decreased volumes GSW (non-putrescible and putrescible) compared to the previous reporting period. The weekly maximum of asbestos was also slightly higher than the previous reporting period.

The Site reported the following non-compliances with DA condition A6, which is associated with waste management requirements specified within the Site's EPL:

- More than 70,000 t of GSW (putrescible) was received during a 12 month period - EPL condition L2.1 (DA condition A6).
- Paper and cardboard was received outside the covered area – EPL condition O1 (DA condition A6). This occurred before 1 October 2023.
- The licensee was unable to remove all general solid waste within 24 hours of it being received at the premises – EPL condition O6.3 (DA condition A6). Veolia reports this occurred exclusively on weekends, as they do not generally run trucks to the landfills on the weekends due to the low intake of waste materials.
- The approval limit of 10m<sup>3</sup> of asbestos waste per week was exceeded in February 2024 (12.02t) and May 2024 (11.54t) (DA Condition A7).
- The Site also reported that it stored more than the approved volume of 573m<sup>3</sup> or 402.5 tonnes of general solid waste (putrescible) at the Site at any given time (DA condition A8), as below:
  - 9 times in June 2023;
  - 5 times in July 2023;

- 2 times in September 2023;
- 1 time in October 2023;
- 1 time in November 2023;
- 3 times in December 2023;
- 6 times in February 2024;
- 27 times in March 2024;
- 17 times in April 2024; and
- 4 times in May 2024.

The largest exceedance was by 353.82 t in March 2024. Veolia reports that the non-compliances listed above were generally associated with rainfall occurring (particularly March and April 2024) and/or weekends, which resulted in closures and operational restrictions at the waste end-destination landfill. The closures at the landfill limited the Site's ability to manage the waste received accordingly.

The 2023 IEA identified the non-compliances and reported that in response, Veolia would maintain material levels on site as low as reasonably practicable in preparation for potential future flood events and that waste would be diverted to other sites if material levels are approaching capacity.

## 8.2 NOISE

An environmental noise assessment was not conducted during the reporting period (15 June 2023 – 14 June 2024). Although the DA does not specify a frequency for noise monitoring to be undertaken, the Site OEMP includes noise management strategies including that "Independent noise monitoring will be conducted annually."

An environmental noise assessment was however completed in April 2023 (within the previous reporting period), by Hibbs and Associates Pty Ltd, as provided in Appendix F. For the assessment, noise emissions were assessed against industrial trigger levels published in the Noise Policy for Industry rather than the trigger levels stated in the DA which considers residential receptors. Although the DA states that noise generated at the Site during operation should not exceed the specified noise limits at residential receivers, it must be noted that the facility is surrounded by industrial and commercial premises and that the nearest residential receivers are greater than 1,500 m in distance. Therefore, the assessment is considered sufficient as noise levels were below the adopted industrial trigger levels and not considered excessive.

To meet the conditions within the Site OEMP, ERM understand that a third party contractor (Todoroski) is currently undertaking noise measurements in September 2024.

Finally, in the absence of an environmental noise assessment conducted during this reporting period, ERM consider it appropriate to use the April 2023 environmental noise assessment (HIBBS 2023) to satisfy the DA condition, considering the DA does not stipulate the frequency of required monitoring.



### 8.3 DUST

Veolia confirmed that dust mitigation measures are undertaken at the Site including the operation of a dust suppression spray system and six-monthly brush down of interior walls. Veolia stated weekly inspections were completed, although this is unconfirmed. ERM understand that on 41 occasions throughout the reporting period 'Monitoring Checklists' were completed, assumed to include dust monitoring. The results/ compliance of the monitoring inspections are however unknown to ERM. Refer to Appendix H for the list on monitoring inspections conducted.

Laboratory reports of the dust gauge results (by accredited laboratory ALS) are understood to be stored by the site and inspection logs are understood to be stored within the quality management system Intalex.

### 8.4 ODOUR

Generally, the Site was operated in accordance with the OMP. Veolia stated weekly monitoring was completed, although unconfirmed as the register provided of inspections conducted within the reporting period (15/06/2023 to 27/05/2024), showed that 30 weekly odour inspections were completed. Refer to Appendix H for the provided Interlex register of inspections for the above-mentioned dates. Veolia have indicated that required controls were generally in place and effective during the entire reporting period, though no evidence with compliance during the inspections has been provided to ERM.

For comparison, 33 weekly odour inspections were completed in the 33 week period during the 2022-2023 reporting period.

During the reporting period Veolia received no odour complaints. For comparison, Veolia received one odour complaint during the previous reporting period (2022-2023) although it was unable to be determined which business in the local area the alleged odour was originated from.

DA condition B9(a) and B13(a) require weekly cleaning of surge pit and tipping area where interior walls have been contaminated with putrescible waste as key odour management strategies. Veolia reports that this was performed weekly.

In addition, in compliance with DA condition B16, an odour audit and odour survey was conducted at Site by Todoroski Air Sciences on 4 September 2023 (Appendix H). The outcomes of the audit included *"given the nature of the air emissions sources and the existing air quality control measures, the results indicate that the site was operating without undue air quality impact in the surrounding environment at the times the surveys were completed and compare well with the predicted impacts. The current odour mitigation measures are considered to be effective, and no additional measures are recommended."*

### 8.5 TRADE WASTE

Three samples of wastewater from within the wastewater treatment system were collected on 1 August 2023, 24 October 2023, and 18 January 2024, prior to discharge to trade waste. No exceedances were reported during the reporting period, based from the 3 sampling events conducted during the reporting period. Laboratory reports were provided from Veolia and are included in Appendix G.

During the previous reporting period (2022/2023) four samples of wastewater were collected and analysed, with one sample collected on 27 July 2022 reporting exceedances above the criteria for zinc and ammonia. During the 2021/2022 reporting period, three samples were collected and analysed, with sulfate and pH exceeding applicable criteria on one occasion.

## 8.6 TRAFFIC MANAGEMENT

Veolia reported that during the reporting period that traffic at the Site was managed in accordance with the TMP. This is similar to the previous reporting period, where no issues with traffic management were reported. The required parking facilities are in place at the Site.

Prior to the commencement of Stage 2 operations at the Site, the TMP required the installation of a permanent access ring road and additional exit from the main transfer building, as outlined in the Stage 2 modification. This has been completed during the 2023 monitoring period.

## 8.7 EIS PREDICTIONS

The EIS included various reviews of the potential environmental impact of the Site based on certain environmental parameters. These reviews were used to make predictions, presented in Section 3.4, as to whether the operation of the Site would have any adverse or unacceptable environmental effects. The EIS predictions are associated with the following environmental parameters:

- Flora and fauna;
- Odour;
- Dust;
- Traffic; and
- Visual impacts.

Based on the environmental performance of the Site during the reporting period, as outlined in the results presented in Section 8, it is considered that the EIS predictions for the Site remain suitable.

## 9. CONCLUSIONS

This 2023-24 AEMR has assessed all available data collected from the environmental monitoring program during the reporting period and assessed the Site's overall environmental performance and compliance with the EPL and the DA. The available data has been collected to satisfy EPL and DA requirements and is generally sufficient to satisfy the DA and EPL requirements for the reporting period.

Based on the data reviewed, the following conclusions have been drawn regarding the 2023-24 reporting period:

- No odour complaints were received by the site;
- No regulatory notices were received by the Site;
- Veolia reported the following waste limit and management non-compliances as a result of excessive rainfall experienced at the Site and the end-destination landfill:
  - Exceeded the Site receipt limit of 70,000 t of GSW (putrescible) during a 12 month period;
  - The authorised amount of waste permitted on the Site did not exceed 2,400 t at any one time;
  - Paper and cardboard was received outside the covered area;
  - Veolia was unable to remove all general solid waste within 24 hours of it being received at the Site on 75 occasions;
- An Environmental Noise Assessment was not completed during the reporting period in accordance with the OEMP. The DA does not specify a frequency for noise monitoring, therefore the 2023 noise assessment is considered appropriate (understanding that a noise assessment is planned for commencement in September 2024);
- Veolia reported air and dust quality was monitored and assessed via on-site dust gauges during the reporting period. There was no indication that dust was being generated at the Site based on information provided by Veolia;
- A weather station was installed at the Site, however during August 2023 it was not functioning. Veolia report that a replacement unit has been installed at the Site and operational since September 2023;
- Trade waste was appropriately monitored and no exceedances of discharge limits were reported from the three discharge events;
- The Veolia website generally displays the required environmental documents and plans for public access;
- The Site was generally operated in accordance with the OMP, Veolia reports that weekly odour control checklists were recorded by Veolia operatives, although unconfirmed, with 33 recorded inspections in 51 weeks.

It is considered that this report satisfies the reporting requirements of Schedule 2, Condition C8 of the DA – Annual Reporting for the 2023-2024 reporting period (15th June 2023 to 14th June 2024).

Based on information provided by Veolia, the Site is generally compliant with the DA and EPL, with non-compliances reported against conditions A1, A2, A6, A7, A8, A9, A19, A20, A27A, B5, B6, B17 and C13. These non-compliances relate to the volume of waste accepted at the site, storage of waste, training requirements, final occupation certificates and access to meteorological data.

## 10. STATEMENT OF LIMITATIONS

1. This report is based solely on the scope of work described in the Specification and ERM proposal P072306 and performed by ERM for Veolia Recycling and Recovery Pty Ltd (the Client). The Scope of Work was governed by a contract between ERM and the Client.
2. No limitation, qualification or caveat set out below is intended to derogate from the rights and obligations of ERM and the Client under the Contract.
3. The findings of this report are solely based on, and the information provided in this report is strictly limited to that required by, the Scope of Work. Except to the extent stated otherwise, in preparing this report ERM has not considered any question, nor provides any information, beyond that required by the Scope of Work.
4. This report was prepared between July 2024 and September 2024 and is based on information reviewed at the time of preparation. The report does not, and cannot, take into account changes in law, factual circumstances, applicable regulatory instruments or any other future matter. ERM does not, and will not, provide any on-going advice on the impact of any future matters unless it has agreed with the Client to amend the Scope of Work or has entered into a new engagement to provide a further report.
5. Unless this report expressly states to the contrary, ERM's Scope of Work was limited strictly to identifying typical environmental conditions associated with the subject site(s) and does not evaluate the condition of any structure on the subject site nor any other issues. Although normal standards of professional practice have been applied, the absence of any identified hazardous or toxic materials or any identified impacted soil or groundwater on the site(s) should not be interpreted as a guarantee that such materials or impacts do not exist.
6. This report is based on correspondence with the client conducted by ERM personnel, the sampling and analyses described in the report, and information provided by the Client or third parties (including regulatory agencies). All conclusions and recommendations made in the report are the professional opinions of the ERM personnel involved. Whilst normal checking of data accuracy was undertaken, except to the extent expressly set out in this report ERM:
  - a. Did not, nor was able to, make further enquiries to assess the reliability of the information or independently verify information provided by; and
  - b. Assumes no responsibility or liability for errors in data obtained from, the Client, any third parties or external sources (including regulatory agencies).
7. Although the data that has been used in compiling this report is generally based on actual circumstances, if the report refers to hypothetical examples those examples may, or may not, represent actual existing circumstances.
8. Only the environmental conditions and or potential contaminants specifically referred to in this report have been considered. To the extent permitted by law and except as is specifically stated in this report, ERM makes no warranty or representation about:
  - a. The suitability of the site(s) for any purpose or the permissibility of any use;
  - b. The presence, absence or otherwise of any environmental conditions or contaminants at the site(s) or elsewhere; or
  - c. The presence, absence or otherwise of asbestos, asbestos containing materials or any hazardous materials on the site(s).

9. Use of the site for any purpose may require planning and other approvals and, in some cases, environmental regulator and accredited site auditor approvals. ERM offers no opinion as to the likelihood of obtaining any such approvals, or the conditions and obligations which such approvals may impose, which may include the requirement for additional environment works.
10. The ongoing use of the site or use of the Site for a different purpose may require the management of or remediation of site conditions, such as contamination and other conditions, including but not limited to conditions referred to in this report.
11. This report should be read in full and no excerpts are to be taken as representative of the whole report. To ensure its contextual integrity, the report is not to be copied, distributed or referred to in part only. No responsibility or liability is accepted by ERM for use of any part of this report in any other context.
12. Except to the extent that ERM has agreed otherwise with the Client in the Scope of Work or the Contract, this report:
  - a. Has been prepared and is intended only for the exclusive use of the Client;
  - b. Must not to be relied upon or used by any other party;
  - c. Has not been prepared nor is intended for the purpose of advertising, sales, promoting or endorsing any Client interests including raising investment capital, recommending investment decisions, or other publicity purposes;
  - d. Does not purport to recommend or induce a decision to make (or not make) any purchase, disposal, investment, divestment, financial commitment or otherwise in or in relation to the site(s); and,
  - e. Does not purport to provide, nor should be construed as, legal advice.



## APPENDIX A COMPLAINTS TABLE

## 1. COMPLIANCE TABLE

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>Specific Environmental Conditions</b>			
<b>A1</b>	In addition to meeting the specific performance criteria established under the consent, the applicant must implement all measures to prevent and/or minimise any harm to the environment that may result from the Development.	Non-compliant	Veolia generally demonstrated compliance with the requirements of this consent to implement all measures to prevent/minimise potential environmental harm, with the exception of non-conformances identified for conditions B5 and B6.
<b>A2</b>	The Applicant, in acting on this consent, must carry out the Development in accordance with the: a) State significant development application SSD 7267; b) EIS and RTS; c) Conditions in schedule 2; d) SSD 7267 MOD1; e) SSD 7267 MOD2; f) Development layout plans and drawings listed in Appendix A (of the Development Consent); and g) The Management and Mitigation Measures as identified in Appendix B (of the Development Consent).	Non-compliant	Veolia generally demonstrated compliance with the requirements of this consent to implement all measures to prevent/minimise potential environmental harm, with the exception of non-conformances identified for conditions A1, A6, A7, A8, A9, A19, A20, A27A, B5, B6, B17 and C13
<b>A6</b>	The Applicant must not cause, permit or allow any materials or waste generated outside the site to be received at the site for storage, use, treatment, processing, or disposal on the site, except as expressly permitted by an EPL	Non-compliant	Veolia reported the following non-compliances with the EPL: • L2.1 exceeded 70,000 t of GSW (putrescible) during a 12 month period. • O.1 Paper and cardboard was received outside covered area. • O6.3 General solid waste (putrescible) was not removed within 24hrs of it being received at the premises



Condition No.	Condition/Requirement	Compliance Status	Comment
A7	The Applicant must not receive or process on site more than: a) 140,000 tpa of general solid waste (putrescible); b) 90,000 tpa of general solid waste (non-putrescible); and c) 10m <sup>3</sup> of asbestos waste per week.	Non-compliant	<p>Veolia received the following waste volumes during the reporting period:</p> <ul style="list-style-type: none"> <li>Putrescible GSW : 73,997.95 t</li> <li>Non-putrescible GSW: 27,494.32 t</li> <li>Asbestos waste: 334.76 t annual</li> </ul> <p>Veolia reported all volumes within acceptance limits, with the exception of asbestos (per week);</p> <ul style="list-style-type: none"> <li>February (19 – 23): 13.02 t</li> <li>May (27 – 31): 11.54 t</li> </ul> <p>It is noted that the units for measuring asbestos volume provided by Veolia are in tonnes, and the units as per the acceptance limits are in m<sup>3</sup>. Due to the unknown conversion rate, it is not possible to confirm the number of (if any) exceedances occurred.</p>
A8	The Applicant must not store on site more than 573m <sup>3</sup> or 402.5 tonnes of general solid waste (putrescible) at any given time without prior approval from the Planning Secretary in consultation with the EPA.	Non-compliant	<p>More than 573m<sup>3</sup> or 402.5 tonnes of general solid waste (putrescible) was stored at the Site at any given time during the below months;</p> <ul style="list-style-type: none"> <li>2023 - June 9 times, July 5 times, Sep 2 times, Oct 1 time, Nov 1 time and Dec 3 times</li> <li>2024 - Feb 6 times, Mar 27 times, Apr 17 times and May 4 times.</li> </ul> <p>The maximum volume of GSW in exceedance of the allowance was by 353.82t in March 2024.</p> <p>The majority of the non-conformances were due to wet weather and weekends.</p>

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>A9</b>	The Applicant must not store general solid waste (putrescible) at the site for more than 24 hour from the time of receipt.	Non-compliant	General solid waste (putrescible) was not removed within 24hrs of it being received at the premises. The site does not dispatch waste to Landfills on weekends (Saturday's), therefore due to the low intake of waste material that remains on the floor, putrescible waste can be on site for more than 24 hrs on weekends.
<b>STAGED SUBMISSION OF PLANS OR PROGRAMS</b>			
<b>A10</b>	With the approval of Secretary, the Applicant may; a) Submit any strategy, plan or program required by this consent on a progressive basis; and /or Combine any strategy, plan or program required by this consent.	Compliant	All Plans required by the consent have been submitted.
<b>A11</b>	If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage 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. A clear relationship between the strategy, plan or program that is to be combined must be demonstrated.	Compliant	The Stage of the development is clearly stated in the plans submitted.
<b>A12</b>	The Applicant must retain all weighbridge records as required by the POEO(Waste) regulation and for the life of the development. The weighbridge records must be made immediately available on request by the Secretary and/or the EPA	Compliant	Veolia reports all weighbridge transactions through Mandalay Software system, and can be immediately made available to the Secretary or EPA upon request.
<b>A13</b>	The Applicant must retain waste classification records for all wastes received on the site and waste disposed from the site for the life of the development. The classification records must be made immediately available on request by the EPA and/or the Secretary.	Compliant	Veolia reports all waste classification records for all wastes received on the site and waste disposed from the site are recorded through Mandalay software and retained for the life of the development. The classification records can be made immediately available on request by the EPA and/or the Secretary.

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>A14</b>	Where consultation with any public authority is required by the conditions of this consent, the Applicant must: a) Consult with the relevant public authority prior to submitting the required documentation to the secretary or the PCA for approval. b) Submit evidence of such consultation as part of the relevant documentation required by the conditions of this consent. c) Describe how matters raised by the public authority have been addressed and identify matters that have not been resolved and, Include the details of any outstanding issues raised by the relevant public authority and an explanation of disagreement between any public authority and the Applicant.	Compliant	Consultation with public authorities required under this condition have taken place and evidence submitted as part of any Modification undertaken.
<b>A15</b>	The Applicant must ensure that all licences, permits and approval/consents are obtained as required by law and maintained required throughout the life of the Development. No condition of this consent removes the obligation for the Applicant to obtain, renew or comply with such licences, permits or approval/consents.	Compliant	All licences, permits and approval/consents have obtained as required by law and are maintained as required throughout the life of the Development. EPL 4548 Trade Waste agreement 12318. SSD 7267.
<b>A16</b>	The Applicant must ensure that all demolition associated with the Development is carried out in accordance with Australian Standard AS 2601:2001: The Demolition of Structures, or its latest version and the requirements of the Work Health and Safety Regulation, 2011.	NA	No demolition has been undertaken during the reporting period.
<b>A17</b>	The Applicant must ensure all new buildings and structures, and any alterations or additions to existing buildings and structures are constructed in accordance with the relevant requirements of the BCA.	Compliant	The installation of the First Flush system was completed in accordance with the BCA.
<b>A18</b>	Prior to the issue of the Final Occupation Certificate, adjustments to any public utilities necessitated by the development are to be completed in accordance with the requirements of the relevant Authority. Any utility costs are to be at no cost to Council.	Compliant	Installation of the First Flush system was completed in accordance with the Stage 2 DA requirements.
<b>A19</b>	Prior to the construction of any utility works associated with the Development, the Applicant must obtain relevant approvals from service providers.	Un-confirmed	Installation was completed in accordance with the Stage 2 DA requirements, however ERM has not been informed if the relevant approvals have been provided to the service providers under this Condition.

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>A20</b>	Prior to the commencement of stage 1 construction and stage 2 construction, Approved Plans must be submitted to the Sydney water “tap in” service to determine if the development will have any impacts on Sydney Water assets.	Un-confirmed	Plans submitted prior to Stage 1 construction. Compliance with this condition has not been provided by Veolia.
<b>A21</b>	Prior to the commencement of Stage 1 operations, the applicant must obtain a Compliance Certificate for water and sewerage infrastructure servicing of the site under section 73 of the Sydney Water Act 1994.	Compliant	Plans submitted prior to Stage 1 construction.
<b>A22</b>	Prior to the commencement of construction, the Applicant must: a) Consult with the relevant owner and /or provider of services that are likely to be affected by the Development to make suitable arrangements to access to diversion, protection, and/or support of the affected infrastructure. b) Prepare a dilapidation report identifying the condition of all public infrastructure in the vicinity of the of the site (including roads, gutters and footpaths ); and submit a copy of the report to the Secretary and Council.	Compliant	Condition satisfied prior to commencement of construction.  Consultation undertaken with utility providers where required.  A dilapidation report was carried out by ACSES ENGINEERS 1 December 2017
<b>A23</b>	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 the development; and (b) Relocate or pay the full costs associated with relocating any infrastructure that needs to be relocated as a result of the Development	NA	No public infrastructure was damaged during the development.
<b>A24</b>	The Applicant must ensure that all plant and equipment used for the Development is: a) Maintained in a proper and efficient condition, and Operated in a proper and efficient manner.	Compliant	All Plant and equipment used in the development are maintained and operated in a proper manner.as per the Site Operational Procedure (SOP).
<b>A25</b>	The Applicant must ensure that employees, contractors, and sub-contractors are aware of, and comply with the conditions of this consent relevant to their respective activities.	Compliant	Managers, employees, contractors and subcontractors are aware of the Development Conditions requirements.

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>A26</b>	Prior to the issue of a Construction Certificate for any part of the Development, the Applicant must pay \$32,795.06 to Council in accordance with the Fairfield City Council Indirect (Section 94A) Development Contributions Plan 2011.	NA	Condition precedes current owner.
<b>A27</b>	Prior to the commencement of Stage 1 operations, the Applicant must ensure a Final Occupation Certificate, or a Compliance Certificate has been issued for the following: a) Additional pavement and hardstand areas. b) Stormwater system. c) Fire safety system upgrade; and Temporary perimeter access road.	NA	Site no longer operating under Stage 1.
<b>A27A</b>	Prior to the commencement of Stage 2 operations, the applicant must ensure a Final Occupation Certificate, or a Compliance Certificate has been issued for the following: a) Permanent access ring road. b) The construction of an additional exit from the main transfer building to improve internal traffic flow; and c) Roller shutter within the existing waste transfer building.	Non-compliant	Veolia have confirmed in the 2023 IEA that an interim Occupation Certificate was issued, however ERM understand Stage 2 construction was completed without a FOC of Compliance Certificate. It is understood that Veolia have submitted a MOD (MOD4) to have this condition removed.
<b>A28</b>	In order for the development of land to proceed in a coordinated and orderly manner and to avoid potential conflicts with this consent, the Applicant must and in the manner prescribed by clause 97 of the EP&A Regulation, surrender the development consents described in Table 1 prior to the commencement of stages 1 operations.	Compliant	Notice to Surrender sent to Fairfield City Council 16 June 2020

Condition No.	Condition/Requirement	Compliance Status	Comment																								
	<p><i>Table 1: Consents to be Surrendered</i></p> <table><tr><th>Determination Date</th><th>DA Number</th><th>Details</th></tr><tr><td>22 November 1989</td><td>483A/89</td><td>Construction and operation of a non-putrescible waste transfer station.</td></tr><tr><td>23 March 2004</td><td>2192/2003</td><td>Establishment of a timber stockpile for recycling of timber and timber by-products and the construction of a partially enclosed awning.</td></tr><tr><td>28 October 2005</td><td>816/2005</td><td>Extension of awning for the purposes of the recycling of cardboard and paper products as part of the operation of the non-putrescible waste transfer station.</td></tr><tr><td>10 November 2005</td><td>758/2005</td><td>Extension of existing awning for the purposes of recycling cardboard and paper products as part of the operation of the non-putrescible waste transfer station.</td></tr><tr><td>27 September 2007</td><td>1557/06</td><td>Use of existing recycling facility and waste transfer facility for acceptance, temporary storage and transfer of secured asbestos material</td></tr><tr><td>23 December 2009</td><td>426.1/2009</td><td>Acceptance of putrescible waste and other wastes at an existing waste recycling and transfer facility.</td></tr><tr><td>2 December 2010</td><td>1028.1/2010</td><td>Retailing of compost material</td></tr></table>	Determination Date	DA Number	Details	22 November 1989	483A/89	Construction and operation of a non-putrescible waste transfer station.	23 March 2004	2192/2003	Establishment of a timber stockpile for recycling of timber and timber by-products and the construction of a partially enclosed awning.	28 October 2005	816/2005	Extension of awning for the purposes of the recycling of cardboard and paper products as part of the operation of the non-putrescible waste transfer station.	10 November 2005	758/2005	Extension of existing awning for the purposes of recycling cardboard and paper products as part of the operation of the non-putrescible waste transfer station.	27 September 2007	1557/06	Use of existing recycling facility and waste transfer facility for acceptance, temporary storage and transfer of secured asbestos material	23 December 2009	426.1/2009	Acceptance of putrescible waste and other wastes at an existing waste recycling and transfer facility.	2 December 2010	1028.1/2010	Retailing of compost material		
Determination Date	DA Number	Details																									
22 November 1989	483A/89	Construction and operation of a non-putrescible waste transfer station.																									
23 March 2004	2192/2003	Establishment of a timber stockpile for recycling of timber and timber by-products and the construction of a partially enclosed awning.																									
28 October 2005	816/2005	Extension of awning for the purposes of the recycling of cardboard and paper products as part of the operation of the non-putrescible waste transfer station.																									
10 November 2005	758/2005	Extension of existing awning for the purposes of recycling cardboard and paper products as part of the operation of the non-putrescible waste transfer station.																									
27 September 2007	1557/06	Use of existing recycling facility and waste transfer facility for acceptance, temporary storage and transfer of secured asbestos material																									
23 December 2009	426.1/2009	Acceptance of putrescible waste and other wastes at an existing waste recycling and transfer facility.																									
2 December 2010	1028.1/2010	Retailing of compost material																									
Waste Management - Receipt, Storage and Handling of Waste																											
B1	The Applicant shall only receive waste on site that is authorised for receipt by an EPL.	Compliant	Wastes received were recorded and in accordance with EPL.																								
B2	The Applicant shall ensure any waste generated on site during construction is classified in accordance with the EPA's Waste Classification Guidelines, 2014 or its latest version, and disposed of to a facility that may lawfully accept it.	NA	This AEMR assesses the operational phase of the development.																								
B3	The Applicant shall <ul style="list-style-type: none"><li>a) Implement auditable procedures to:<ul style="list-style-type: none"><li>i. Ensure the site does not accept wastes that are prohibited;</li><li>ii. Screen incoming waste loads; and</li></ul></li><li>b) Ensure that:</li></ul>	Compliant	Training is provided by Veolia to the weighbridge operators, recycling staff and on-site supervisors to enable them to recognise and manage unacceptable wastes (SOP017 – Hazardous chemicals including dangerous goods).																								

Condition No.	Condition/Requirement	Compliance Status	Comment
	<ul style="list-style-type: none"> <li>i. All waste types that are controlled under a tracking system have the appropriate documentation prior to acceptance at the site;</li> <li>ii. All waste received at the site must be recorded in accordance with clause 27 of the POEO (Waste) Regulation;</li> <li>iii. Details of the quantity, type of source waste received on the site must be provided to the EPA and the Secretary when requested;</li> <li>iv. Staff receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste; and</li> </ul> <p>The asbestos storage area is maintained to not impact vehicle manoeuvrability on the temporary perimeter access road and permanent access ring road.</p>		<p>Waste received is recorded through weighbridge Mandalay system. Asbestos is tracked under waste locate.</p> <p>Asbestos drop-off area is supervised by Veolia staff and was not reported to be impacting other vehicles, with a traffic boom gate to control traffic flow.</p>
<b>Waste Management -Wastewater</b>			
<b>B4</b>	The Applicant shall ensure all wastewater is discharged to sewer in accordance with a Trade Waste Agreement with Sydney Water.	Compliant	Trade Waste Agreement 7976 – Three discharge events during annual period. No exceedances reported over the annual period.
<b>B5</b>	<p>The Applicant must ensure the first flush detention tank is bunded in accordance with:</p> <ul style="list-style-type: none"> <li>a) All relevant Australasian Standards;</li> <li>b) For liquids, a minimum bund volume requirement of 110% of the largest single stored volume within the bund; and</li> <li>c) The Environment Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin (EPA, 1997).</li> </ul> <p>In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement must prevail to the extent of the inconsistency.</p>	Un-confirmed	Veolia report the first flush detention tank was installed in December 2023, however have been unable to provide any evidence of its completion in relation to this condition.



Condition No.	Condition/Requirement	Compliance Status	Comment
<b>Air Quality - Meteorological Station</b>			
<b>B6</b>	Prior to the commencement of any works on-site, the Applicant must install a suitable meteorological station on the site that complies with the requirements in the EPA's Approved Methods for Sampling of Air Pollutants in New South Wales.	Non-compliant	A suitable meteorological station was installed on the site, however was non-functioning during July/August 2023. Veolia reports that a replacement meteorological station was installed and commissioned in September 2023.
<b>Air Quality - Odour Management</b>			
<b>B7</b>	The Applicant must ensure the Development does not cause or permit the emission of any offensive odour (as defined in the POEO Act).	Compliant	No odour complaints issued this annual reporting period.
<b>B8</b>	Prior to the commencement of Stage 1 operations and to the satisfaction of the EPA, the Applicant must: <ul style="list-style-type: none"> <li>a) Install deodorising sprays over the vehicle entrance and exits; and</li> <li>b) Apply a sealant to the concrete working floor in the receival hall to prevent the absorption of leachate into the tipping floor.</li> </ul>	NA	Site operating under Stage 2
<b>B9</b>	During operations, the Applicant must: <ul style="list-style-type: none"> <li>a) Conduct a weekly wash-down of any tipping area contaminated with general solid waste (putrescible);</li> <li>b) Conduct annual wash down of interior walls and surfaces;</li> <li>c) Ensure that all trucks and trailers parked at the site are cleaned fortnightly; and,</li> <li>d) Ensure that deodorising sprays are operational at all times.</li> </ul>	Compliant	<ul style="list-style-type: none"> <li>a) A weekly washdown of the tipping area is carried out.</li> <li>b) An annual wash down of interior walls and surfaces is carried out.</li> </ul> Evidence of these activities can be obtained through the site camera recording equipment. <ul style="list-style-type: none"> <li>c) All trucks and trailers parked at the site are cleaned fortnightly.</li> </ul> Evidence of this activity can be obtained from invoices. <ul style="list-style-type: none"> <li>d) Deodorising sprays are operational at all times - they are an automatically run system.</li> </ul>

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>Air Quality - Dust Management</b>			
<b>B10</b>	The Applicant must implement all measures to minimise dust generated during construction and operation of the Development.	Compliant	OEMP procedures followed to minimise dust generated during construction. Depositional Dust measurements are carried out monthly. Evidence invoices and test results from ALS laboratory. Dust and Odour suppressants have been installed and are operating at all times. The odour and dust misting systems are checked on a weekly basis. Inspections are logged into the Quality system InteleX by the site supervisor. All staff are trained to former SUEZ Standard Operating Procedure (SOP047).
<b>B11</b>	During construction, the Applicant must ensure that: a) Exposed surfaces and stockpiles are suppressed by regular watering; 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; and Public roads used by these trucks are kept clean.	NA	This AEMR assesses the operational phase of the development.
<b>B12</b>	Prior to the commencement of Stage 2 operations, the Applicant must: a) Install dust suppression sprays over the vehicle entry and exit; and b) Install interior liner panels to facilitate wash down.	Compliant	Dust suppression sprays over the vehicle entry and exit have been installed. Interior walls are cleaned every 6 months. Photos available.
<b>B13</b>	During operations, the Applicant must: a) Conduct a weekly clean of surge pit and tipping area where interior walls have been contaminated with putrescible waste; b) Conduct a six-monthly brush down of interior walls and; c) Ensure that dust suppression sprays are operational where waste is being tipped and processed.	Compliant	a) Veolia report wash-down of tipping area carried out weekly b) Veolia confirmed completed. c) Compliant and recorded during inspections.

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>Air Quality - Odour Management Plan</b>			
<b>B14</b>	<p>Prior to the commence of Stage 1 operations and Stage 2 operations, the applicant must prepare an Odour Management Plan (OMP) to the satisfaction of the EPA and Secretary. The OMP must form part of the OEMP required by condition C4 and be prepared in accordance with condition C6. The OMP must:</p> <ul style="list-style-type: none"> <li>a) Be prepared by a suitably qualified and experience person (s) in consultation with the EPA;</li> <li>b) Describe the measures that would be implemented on-site to ensure: <ul style="list-style-type: none"> <li>i. Odour emissions are minimised, including details of the air pollution control devices and all other operational odour mitigation measures;</li> <li>ii. Compliance with the relevant conditions of this consent;</li> <li>iii. Compliance if adverse odour emissions occur or appear likely to occur;</li> </ul> </li> <li>c) Include an ongoing monitoring program;</li> <li>d) Include well defined triggers for the deployment of odour mitigation and contingency measures; and</li> </ul> <p>Include a protocol which includes contingency measures for system failures.</p>	Compliant	Odour Management Plan developed and is in use for the Site. Addressed during previous AEMR
<b>B15</b>	The Applicant shall ensure that the OMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.	Compliant	The OMP has been developed and is in use for the Site.
<b>Air Quality - Odour Audit</b>			
<b>B16</b>	<p>The Applicant must carry out an Odour Audit of the Development no later than six months after the commencement of Stage 2 operations. Division 2B of Part 6 of the EP&amp;A Act applies to this audit which is for the purpose of validating the odour data used in the EIS. The audit must:</p> <ul style="list-style-type: none"> <li>a) Be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary;</li> <li>b) Audit the Development in full operation;</li> <li>c) Include a summary of odour complaints and any actions that were carried out to address the complaints;</li> </ul>	Compliant	Todoroski Air Sciences odour audit and odour survey, Veolia Resource Recovery Facility Wetherill Park, was conducted on 4 September 2023 (provided in Appendix H). The audit considered the conditions met.

Condition No.	Condition/Requirement	Compliance Status	Comment
	<p>d) Validate the Development against odour impact predictions in the EIS and RTS;</p> <p>e) Review the design and management practices in the Development against industry best practice for odour management;</p> <p>f) Identify suitable odour mitigation options and controls, including but necessarily limited to:</p> <ol style="list-style-type: none"> <li>Mechanical ventilation;</li> <li>Operation of the building under negative pressure to minimise fugitive emissions; and</li> <li>Odour capture and control options.</li> </ol> <p>g) Include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.</p> <p>Note: The Odour Audit may be prepared so that it addresses the requirements of this consent and the EPL for the Development.</p>		
<b>B17</b>	Within two months of commissioning the Odour Audit required by Condition B16, or as otherwise agreed by the Secretary, the applicant must submit a copy of the Odour Audit report to the satisfaction of the EPA and Secretary, together with the Applicant's response to any recommendations contained in the Odour Audit report.	Non-Compliant	Audit was not submitted to the EPA and Secretary
<b>B18</b>	The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of the Odour Audit report required by Condition B17.	NA	Audit was not sent, therefore no feedback has been provided.
<b>Soils, Water Quality and Hydrology – Discharge Limits</b>			
<b>B19</b>	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.	Compliant	No water pollution events were recorded in the reporting period

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>Soils, Water Quality and Hydrology – Flood Management</b>			
<b>B20</b>	<p>Prior to the commencement of construction, the Applicant must prepare a Flood Emergency Response Plan (FERP) for the Development in consultation with council and to the satisfaction of the Secretary. The plan must form part of the CEMP and OEMP required by Conditions C1 and C4 and must:</p> <ul style="list-style-type: none"> <li>a) Be prepared by a suitably qualified and experienced person (s);</li> <li>b) Address the provisions of the Floodplain Risk Management Guidelines (OEH 2007);</li> <li>c) Include details of: <ul style="list-style-type: none"> <li>i. The flood emergency responses for both construction and operation phases of the Development;</li> <li>ii. Predicted flood levels;</li> <li>iii. Flood warning time and flood notification;</li> <li>iv. Assembly points and evacuation routes;</li> <li>v. Evacuation and refuge protocols; and</li> </ul> </li> </ul> <p>Awareness training for employees and contractors.</p>	Compliant	Flood Emergency Response Plan (FERP) is in place dated November 2008.
<b>B21</b>	The Applicant shall ensure the FERP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.	Compliant	Flood Emergency Response Plan (FERP) is in place dated November 2008.
<b>B22</b>	During construction and operation of the Development, the Applicant must not use driveways modelled as high hazard in the FIA as an evacuation route during times of flooding.	Compliant	No evacuation events during reporting period.
<b>Soils, Water Quality and Hydrology – Stormwater Management System</b>			
<b>B23</b>	<p>The Applicant must design, install and operate a stormwater management system for the Development. The system must:</p> <ul style="list-style-type: none"> <li>a) Be designed by a suitably qualified and experienced person(s);</li> <li>b) Be generally in accordance with the conceptual design in the EIS and applicable Australian Standards;</li> <li>c) 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);</li> </ul>	<p>Compliant</p> <ul style="list-style-type: none"> <li>a) Compliant</li> <li>b) Compliant</li> <li>c) Compliant</li> <li>d) Compliant</li> <li>e) Compliant</li> <li>f) Compliant</li> <li>g) Compliant</li> </ul>	Stormwater system has been designed and installed by suitably qualified and experienced persons as part of the Site design and construction and clean and dirty areas are separated.

Condition No.	Condition/Requirement	Compliance Status	Comment
	<ul style="list-style-type: none"> <li>d) Divert existing clean surface water around operational areas of the site;</li> <li>e) Prevent firewater and contaminated water from entering the stormwater management system;</li> <li>f) Direct all sediment laden water in overland flow away from the leachate management system; and</li> <li>g) Prevent cross-contamination of clean and sediment or leachate laden water.</li> </ul>		
<b>Soils, Water Quality and Hydrology – Chemical Spills and Fire Water Containment</b>			
<b>B24</b>	<p>To ensure that chemical spills and firewall are contained on-site, prior to the commencement of Stage 1 operations and to the satisfaction of FRNSW, the Applicant must ensure:</p> <ul style="list-style-type: none"> <li>a) The stormwater isolation valve is automatically initiated upon either sprinkler activation and/or alternatively via activation of any Manual Call Point installed within the site;</li> <li>b) The stormwater isolation valve functionality should include a fail-safe function on power failure which automatically closes the valve. The stormwater isolation valve must remain in the closed position until a manual over-ride function is initiated upon confirmation that stormwater isolation is no longer required or once any contaminated water is disposed via trade waste or at a site that can lawfully receive the waste; and</li> <li>c) The location of the stormwater isolation valve and any associated controls must be clearly identified on the site's fire hydrant block plan, fire sprinkler block plan and the site plan located within the site's Emergency Response Plan.</li> </ul>	Compliant	All required spill prevention and fire prevention systems are in place at the Site.
<b>Soils, Water Quality and Hydrology – Sprinkler and Fire Hydrant System</b>			
<b>B25</b>	<p>Prior to the commencement of Stage 1 operations and to the satisfaction of FRNSW, the Applicant must ensure:</p> <ul style="list-style-type: none"> <li>a) The sprinkler system is installed and maintained throughout the site in accordance with Specification E1.5 of the National Construction Code (Australian Building Codes Board, 2016) and in accordance with the latest version of AS 2118.1-1999;</li> <li>b) The fire hydrant system is designed, installed, maintained and commissioned in accordance with Specification E1.3 of</li> </ul>	Compliant	Confirmed compliant in IEA 2020.

Condition No.	Condition/Requirement	Compliance Status	Comment
	the National Construction Code (Australian Building Codes Board, 2016) with the latest version of AS 2419.1-2005; and c) The temporary access road and the permanent ring road is constructed in accordance with Policy No 4: Guidelines for Emergency Vehicle Access (NSW Fire Brigade, 2010).		
<b>Soils, Water Quality and Hydrology – Imported Soil</b>			
<b>B26</b>	The Applicant must: a) Ensure that only VENM, or ENM, or other material approved in writing by the EPA is used as fill on the site; b) Keep accurate records of the volume and type of fill to be used; and Make these records available to the Department upon request.	NA	No fill material was imported to the site during the reporting period.
<b>Soils, Water Quality and Hydrology – Erosion and Sediment Control</b>			
<b>B27</b>	Prior to the commencement of construction, the Applicant must install and maintain suitable erosion and sediment control measures on-site, in accordance with the relevant requirements in the latest version of the Managing Urban Stormwater: Soils and Construction Guidelines and the Erosion and Sediment Control Plan included in the CEMP required by Condition C1.	NA	Construction completed prior to the commencement of the AEMR reporting period.
<b>Traffic and Access - Parking</b>			
<b>B28</b>	Prior to the commencement of Stage 1 operations, the Applicant must provide 21 on-site parking spaces for visitors and staff (including one accessible parking space) and 8 on-site parking spaces for heavy vehicles to ensure that traffic associated with the development does not utilise public and residential streets or public parking facilities. Parking areas must be constructed in accordance with the latest version of AS 2890.	Compliant	The required parking facilities are in place at the Site.

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>Traffic and Access - Operating Conditions</b>			
<b>B29</b>	<p>The Applicant must ensure:</p> <ul style="list-style-type: none"> <li>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 290.1 and AS 2890.2;</li> <li>b) The swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the site, is in accordance with the relevant AUSTROADS guidelines;</li> <li>c) The Development does not result in any vehicles queuing on the public road network;</li> <li>d) Heavy vehicles and bins associated with the Development are not parked on local roads or footpaths in the vicinity of the site;</li> <li>e) All vehicles are wholly contained on site before being required to be stopped;</li> <li>f) All loading and unloading of materials is carried within the waste transfer station building;</li> <li>g) All trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network;</li> <li>h) The weighbridge stop line is moved 7 m to the west to prevent queuing on David Road;</li> <li>i) The proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times; and the temporary perimeter access road is sealed.</li> </ul>	Compliant	All conditions with B29 have been met. Regarding Condition B29(g), the OEMP. Section 4.2 Acceptance of Waste includes the following to ensure trucks are managed appropriately: "Trucks must stop at the tarping gantry prior to proceeding to the weighbridge to inspect and remove any debris caught externally to the vehicle following loading."
<b>Traffic and Access - Operational Traffic Management Plan</b>			
<b>B30</b>	<p>Prior to the commencement of Stage 1 operations and Stage 2 operations, the Applicant must prepare an Operational Traffic Management Plan (OTMP) for the Development to the satisfaction of the Secretary. The plan must form part of the OEMP required by Condition C4 and prepared in accordance with Condition C6 and must:</p> <ul style="list-style-type: none"> <li>a) Be prepared by a suitably qualified and experienced person(s);</li> <li>b) Be prepared in consultation with Council;</li> </ul>	Compliant	OTMP is in place at the Site dated November 2016. Refer Appendix D.



Condition No.	Condition/Requirement	Compliance Status	Comment												
	<div><div>c) Details the measures that are to be implemented to ensure road safety and network efficiency including restricting queuing or parking of vehicles on Davis Road;</div><div>d) Detail heavy vehicle routes, access and parking arrangements;</div><div>e) Include a Driver Code of Conduct to:<div><div>i. Minimise the impacts on the local and regional road network;</div><div>ii. Minimise conflicts with other road users;</div><div>iii. Minimise road traffic noise;</div><div>iv. Ensure truck drivers use specified routes; and</div></div></div><div>Include a program to monitor the effectiveness of these measures.</div></div>														
B31	The Applicant shall ensure the OTMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.	Compliant	OTMP is in place at the Site dated November 2016. Refer Appendix D.												
Noise - Hours of Work															
B32	<div><div>The Applicant must comply with the hours detailed in <b>Table 2</b>.</div><div><b>Table 2: Hours of Work</b><table><tr><th>Activity</th><th>Day</th><th>Time</th></tr><tr><td>Earthworks and Construction</td><td>Monday – Friday</td><td>7am to 6pm</td></tr><tr><td></td><td>Saturday</td><td>8am to 1pm</td></tr><tr><td>Operation</td><td>Monday - Sunday</td><td>24 hours</td></tr></table></div></div>	Activity	Day	Time	Earthworks and Construction	Monday – Friday	7am to 6pm		Saturday	8am to 1pm	Operation	Monday - Sunday	24 hours	Compliant	Unrestricted hours for operational phase. It has been communicated to ERM that Veolia have submitted a MOD to alter the hours of operation.
Activity	Day	Time													
Earthworks and Construction	Monday – Friday	7am to 6pm													
	Saturday	8am to 1pm													
Operation	Monday - Sunday	24 hours													
B33	<div><div>Works outside of the hours identified in Condition B32 may be undertaken in the following circumstances:</div><div><div>a) Works that are inaudible at the nearest sensitive receivers;</div><div>b) Works agreed to in writing by the Secretary;</div><div>c) For the delivery of materials required outside these hours by the NSW Police Force or other authorities for safe reasons;</div></div><div>Where it is required in an emergency to avoid the loss of lives, property and/or prevent environmental harm.</div></div>	Compliant	Unrestricted hours for operational phase. It has been communicated to ERM that Veolia have submitted a MOD to alter the hours of operation.												

Condition No.	Condition/Requirement	Compliance Status	Comment										
Noise - Operational Noise Limits													
B35	<p>The Applicant must ensure that noise generated by operation of the Development does not exceed the noise limits in <b>Table 3</b>. Note: Noise generated by the Development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy.</p> <p><b>Table 3: Noise Limits dB(A)</b></p> <table><tr><th>Location</th><th>Day LAeq (15min)</th><th>Evening LAeq (15min)</th><th>Night LAeq (15min)</th><th>Night LA1 (1min)</th></tr><tr><td>All residential receivers</td><td>35</td><td>35</td><td>35</td><td>45</td></tr></table>	Location	Day LAeq (15min)	Evening LAeq (15min)	Night LAeq (15min)	Night LA1 (1min)	All residential receivers	35	35	35	45	Compliant	An environmental noise assessment was not conducted during the reporting period. However, the previous environmental noise assessment (conducted in April 2023) is considered to be suitable, as the B35 DA condition does not stipulate frequency of assessment required.
Location	Day LAeq (15min)	Evening LAeq (15min)	Night LAeq (15min)	Night LA1 (1min)									
All residential receivers	35	35	35	45									
Noise - -Noise Mitigation													
B36	<p>The Applicant must:</p> <ul style="list-style-type: none"><li>a) Implement best practice, including all noise management and mitigation measures to prevent and minimise operational, low frequency and traffic noise generated by the development;</li><li>b) Minimise the noise impacts of the development during adverse meteorological conditions;</li><li>c) Maintain the effectiveness of any noise suppression equipment on plant at all times and ensure defective plant and equipment is not being used operationally until fully repaired; and</li><li>d) Regularly assess noise emissions and relocated, modify and/or stop operations to ensure compliance with the relevant conditions of this consent.</li></ul>	Compliant	Site is operated in accordance with OEMP (Appendix D). An environmental noise assessment was conducted 5/04/2023 by Hibbs & Associates Pty Ltd, refer to Appendix F. It was reported that results were below the NPI's recommended noise project trigger levels.										
Noise - Construction and Operational Noise Management													
B37	The Applicant must ensure that all its vehicles are fitted with a broadband reversing alarm.	Compliant	Veolia reports that broadband reversing alarms are installed in all vehicles.										

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>Hazards and Risk</b>			
<b>B39</b>	The Applicant must store all chemicals, fuels and oils used on-site in accordance with: a) The requirements of all relevant Australian Standards; b) The NSW EPA's 'Storing and Handling of Liquids: Environmental Protection – Participants Handbook' if the chemicals are liquids.	Compliant	All chemicals/ fuels and oils are stored in accordance with conditions B39 a) & b).
<b>Dangerous Goods</b>			
<b>B40</b>	The quantities of dangerous goods stored and handled at the site must be below the threshold quantities listed in the Department of Planning's Hazardous and Offensive Application Guidelines - Applying SEPP 33 at all times.	Compliant	Quantities of dangerous goods stored onsite are below the threshold.
<b>B41</b>	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 all liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and The Environmental Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin (EPA, 1997).	Compliant	Dangerous goods are stored and handled in accordance with condition 41 a), b) and c). SOP017 has been updated and implemented to ensure all dangerous goods onsite were stored and handled in accordance with the Environmental Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin (EPA, 1997).
<b>Pests, Vermin and Noxious Weed Management</b>			
<b>B42</b>	The Applicant must: a) Ensure all waste loads are covered unless within the waste transfer station building; and Maintain the site in a clean and tidy state at all times.	Compliant	Veolia confirms all trucks are covered prior to leaving site with tarps which drivers inspect. Housekeeping scheduled daily and records of cleaning captured in inspections.

Condition No.	Condition/Requirement	Compliance Status	Comment
<b>B43</b>	The Applicant must: a) Implement suitable measures to manage pests, vermin and declared noxious weeds on the site; and Inspect the site on a regular basis to ensure that these measures are working effectively, and that pests, vermin or noxious weeds are not present on site in sufficient numbers to pose an environmental hazard, or cause the loss of amenity in the surrounding area.	Compliant	Pest control is completed every six weeks. Vegetation management is completed by external contractors fortnightly.
<b>Transgrid Transmission Line Easement</b>			
<b>B45</b>	The Applicant must ensure no works of any kind are permitted within the 20-metre exclusion zone surrounding the transmission line tower.	Compliant	Veolia reports no works carried out within exclusion zone.
<b>Visual Amenity - -Lighting</b>			
<b>B55</b>	The Applicant must ensure the lighting associated with the Development: a) Complies with the latest version of AS 4282 (INT) - Control of Obstructive Effects on Outdoor Lighting; and Is mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties or the public road network.	Compliant	Lighting was installed as per requirements. Veolia has received no complaints in relation to nuisance lighting.
<b>Construction Environmental Management Plan</b>			
<b>C1</b>	The Applicant must prepare a Construction Environmental Management Plan (CEMP) to the satisfaction of the Secretary. The CEMP must: a) be prepared to the satisfaction of the Secretary prior to the commencement of Stage 1 construction and Stage 2 construction. b) identify the statutory approvals that apply to the Development; c) outline all environmental management practices and procedures to be followed during construction works associated with the Development; d) explain the controls that would be implemented to minimise dust emissions during construction of the Development;	Compliant	A CEMP was prepared and submitted to the Secretary for Stage 1 and Stage 2 works and addresses the condition.

Condition No.	Condition/Requirement	Compliance Status	Comment
	<ul style="list-style-type: none"> <li>e) describe all activities to be undertaken on the site during construction of the Development, including a clear indication of construction stages.</li> <li>f) detail how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified adverse environmental impacts;</li> <li>g) describe the roles and responsibilities for all relevant employees involved in construction works associated with the Development; and</li> </ul> <p>include the management plans required under Condition C2 of this consent.</p>		
<b>C2</b>	<p>As part of the CEMP required under Condition C1 of this consent, the Applicant must include the following:</p> <ul style="list-style-type: none"> <li>a) FERP (see Condition B20);</li> <li>b) Erosion and Sediment Control Plan (see Condition B27);</li> </ul> <p>Unexpected finds protocol (see Condition B4).</p>	Compliant	A CEMP was prepared and submitted to the Secretary for Stage 1 and Stage 2 works and addresses the condition.
<b>C3</b>	The Applicant must carry out the construction of the Development in accordance with the CEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.	Compliant	A CEMP was prepared and submitted to the Secretary for Stage 1 and Stage 2 works and addresses the condition.
<b>Operational Environmental Management Plan</b>			
<b>C4</b>	<p>The Applicant must prepare an Operational Environmental Management Plan (OEMP) to the satisfaction of the Secretary. The OEMP must:</p> <ul style="list-style-type: none"> <li>a) Be prepared to the satisfaction of the Secretary prior to the commencement of the Stage 1 operations and Stage 2 operations;</li> <li>b) Be prepared by a suitably qualified and experienced expert;</li> <li>c) Provide the strategic framework for environmental management of the Development;</li> <li>d) Identify the statutory approvals that apply to the Development;</li> <li>e) Describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the Development;</li> </ul>	Compliant	An OEMP was prepared and submitted to the Secretary for Stage 1 and Stage 2 works and addresses the condition.

Condition No.	Condition/Requirement	Compliance Status	Comment
	<ul style="list-style-type: none"> <li>f) Describe the procedures that would be implemented to: <ul style="list-style-type: none"> <li>i. Keep the local community and relevant agencies informed about the operation and environmental performance of the Development</li> <li>ii. Receive, handle, respond to, and record complaints</li> <li>iii. Resolve and disputes that may arise</li> <li>iv. Respond to any non-compliance</li> <li>v. Respond to emergencies</li> </ul> </li> <li>g) Include the following environmental management plans: <ul style="list-style-type: none"> <li>i. Odour Management Plan</li> <li>ii. Flood Emergency Response Plan</li> </ul> </li> </ul> <p>Operational Traffic Management Plan.</p>		
<b>C5</b>	The Applicant must operate the Development in accordance with the OEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.	Compliant	An OEMP was prepared and submitted to the Secretary for Stage 1 and Stage 2 works and addresses the condition.
<b>Management Plan Requirements</b>			
<b>C6</b>	<p>The Applicant must ensure that the environmental management plans required under Condition C1 and Condition C4 of this consent are prepared by a suitably qualified person or persons in accordance with best practice and include:</p> <ul style="list-style-type: none"> <li>a) Detailed baseline data</li> <li>b) A description of: <ul style="list-style-type: none"> <li>i. The relevant statutory requirements (including any relevant approval, licence or lease conditions);</li> <li>ii. Any relevant performance criteria; and</li> <li>iii. The specific performance indicators the are proposed to be used to judge the performance of, or guide the implementation of, the Department or any management measures;</li> </ul> </li> <li>c) A description of the management measures that would be implemented to comply with the relevant statutory requirements, limits or performance measures/criteria</li> <li>d) A program to monitor and report on the: <ul style="list-style-type: none"> <li>i. Impacts and environmental performance of the development; and</li> </ul> </li> </ul>	Compliant	All required plans have been developed and are in place at the Site and have been submitted to the Department.

Condition No.	Condition/Requirement	Compliance Status	Comment
	<ul style="list-style-type: none"> <li>ii. Effectiveness of any management measures (see (c) above)</li> <li>e) A contingency plan to manage any unpredicted impacts and their consequences;</li> <li>f) A program to investigate and implement ways to improve the environmental performance of the Development over time;</li> <li>g) A protocol for managing and reporting any <ul style="list-style-type: none"> <li>i. Incidents</li> <li>ii. Complaints</li> <li>iii. Non-compliances with statutory requirements; and</li> <li>iv. Exceedances of the impact assessment criteria and/or performance criteria</li> </ul> </li> </ul> <p>A protocol for periodic review of the plan.</p>		
<b>Revision of Strategies, Plans and Programs</b>			
<b>C7</b>	<p>Within three months of</p> <ul style="list-style-type: none"> <li>a) Approval of modification;</li> <li>b) Approval of an annual review under condign C8;</li> <li>c) Submission of an incident report under Condition C9; or</li> <li>d) Completion of an audit under Condition C12,</li> </ul> <p>The Applicant must review, and if necessary revise, the strategies, plans, and programs required under this consent to the satisfaction of the Secretary.</p>	Compliant	All Plans, strategies and programs in the process of being reviewed following completion of Independent Environmental Audit (21 September 2023).
<b>Annual Review</b>			
<b>C8</b>	<p>Each year, the Applicant must review the environmental performance of the Development to the satisfaction of the Secretary. This review must:</p> <ul style="list-style-type: none"> <li>a) Describe the development that was carried out in the previous calendar year, and the Development that is proposed to be carried out over the next year;</li> <li>b) Include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of these results against the: <ul style="list-style-type: none"> <li>i. The relevant statutory requirements, limits or performance measures/criteria;</li> </ul> </li> </ul>	Compliant	<p>Condition satisfied by the completion of this AEMR.</p> <ul style="list-style-type: none"> <li>a) Sections 4.3 Site Overview, 4.4 Site Improvements;</li> <li>b) Section 5.1 Complaints, 5.2 Incidents, 6 Incidents, 8 Results; <ul style="list-style-type: none"> <li>i. Section 3.4 EIS, 7 Assessment Criteria;</li> <li>ii. Section 6 Monitoring Program, Appendices A, C and E</li> <li>iii. Section 8 Results;</li> <li>iv. Section 3.4 EIS;</li> </ul> </li> </ul>

Condition No.	Condition/Requirement	Compliance Status	Comment
	<ul style="list-style-type: none"> <li>ii. The requirements of any plan or program required under this consent;</li> <li>iii. The monitoring results of the previous years; and</li> <li>iv. The relevant predictions in the EIS;</li> <li>c) Identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;</li> <li>d) Identify any trends in the monitoring data over the life of the Development;</li> <li>e) Identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and</li> <li>f) Describe what measures will be implemented over the next year to improve the environmental performance of the Development.</li> </ul>		<ul style="list-style-type: none"> <li>c) Section 1 Statement of Compliance, Appendix A;</li> <li>d) Section 8 Results;</li> <li>e) Section 8 Results;</li> <li>f) Section 4.4 Site Improvements;</li> </ul>
<b>Incident Reporting</b>			
<b>C9</b>	Within 24 hours of any incident or potential incident with actual or potential significant off-site impacts on people or the biophysical environment, a report shall be supplied to the Department outlining the basic facts. A further detailed report shall be prepared and submitted following investigations of the causes and identification of necessary additional preventative measures. The report must be submitted to the Secretary no later than 14 days after the incident or potential incident.	NA	Veolia reports no incidents occurred during the reporting period.
<b>C10</b>	The Applicant shall maintain a register of accidents, incidents and potential incidents. The register shall be made available for inspection at any time by the Independent Hazard Auditor and the Department.	Compliant	Veolia maintains a register of all incidents, accidents and complaints in Intelex, which are available for inspection.
<b>Regular Reporting</b>			
<b>C11</b>	The Applicant must provide regular reporting on the environmental performance of the Development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.	Compliant	No environmental reporting is provided on the Veolia website currently. Noted the transitioning of data to Veolia website was reported to be in progress.



Condition No.	Condition/Requirement	Compliance Status	Comment
<b>Independent Environmental Audit</b>			
<b>C12</b>	<p>Within one year of the commencement of operation, and every three years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (audit) of the Development. Division 2B of Part 6B of the EP&amp;A Act applies to these audits, which are for the purposes of ascertaining information in relation to the environmental performance of the Development and the adequacy of strategies, plans and programs. Audits must:</p> <ul style="list-style-type: none"> <li>a) Be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;</li> <li>b) Include consultation with relevant agencies;</li> <li>c) Assess the environmental performance of the Development and assess whether its complying with the requirements in this consent, and any other relevant approvals, relevant EPL(s) (including any assessment, plan and program required under these approvals);</li> <li>d) Review the adequacy of the any approved strategy, plan or program required under the above mentioned consents; and</li> </ul> <p>Recommend measures or actions to improve the environmental performance of the Development, and/or any strategy, plan or program required under these consents.</p>	Compliant	<p>IEA conducted during the period of June 2023 – August 2023 by Epic Environmental, dated 21/09/2023.</p> <p>The next IEA at the Site is due 2026.</p>
<b>C13</b>	<p>Within three months of commission this audit, or otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary, and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report, and a timeline for the implementation of the recommendations. The Applicant must implement these recommendations to the satisfaction of the Secretary.</p>	Un-confirmed	<p>ERM understand the IEA was conducted in September 2023 by Epic Environmental. Veolia have been unable to provide a date of submission to the Department.</p>
<b>C14</b>	<p>The Applicant must:</p> <ul style="list-style-type: none"> <li>a) Make copies of the following publicly available on its website: <ul style="list-style-type: none"> <li>i. The documents referred to in condition A2;</li> <li>ii. All current statutory approvals for the Development;</li> <li>iii. All approved strategies, plans and programs required under this consent;</li> </ul> </li> </ul>	Compliant	<p>The following documents are available on the Veolia website:</p> <ul style="list-style-type: none"> <li>i. Development consent and approvals;</li> <li>ii. Development consent and approvals;</li> </ul>

Condition No.	Condition/Requirement	Compliance Status	Comment
	<ul style="list-style-type: none"> <li>iv. 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;</li> <li>v. A complaint register updated on a monthly basis;</li> <li>vi. The annual reviews of the Department;</li> <li>vii. Any independent environment audit of the Development and the Applicant's response to the recommendations in any audit;</li> <li>viii. Any other matter required by the Secretary; and</li> </ul> <p>Keep this information up to date, to the satisfaction of the Secretary.</p>		<ul style="list-style-type: none"> <li>iii. FERP; OEMP, CEMP, TMP, ERP and OMP;</li> <li>iv. Odour Audit 2023, Noise Assessment 2023, Air and Dust Assessment (2024), AEMRs and IEAs;</li> <li>v. Complaints register (latest August 2024);</li> <li>vi. AEMRs (latest 2021-2022);</li> <li>vii. IEAs (2020 and 2023);</li> <li>viii. Various other reports associated with the approvals required of the site.</li> </ul>



## APPENDIX B      FIGURES









**Legend**

Site Boundary

Lot\_Fairfield

**Data Source:**  
 NSW DCDB/DTDB 2020  
 Nearmap Imagery October 2023

Coordinate System:  
 GDA 1994 MGA Zone 56

Date: 16/07/2024

Created By: GC/FS/RT

Drawing Size: A4



1:1,200

## F2 - Site Features

**2024 AEMR - Wetherill Park RRF**  
**20 Davis Rd, Wetherill Park NSW**  
 Veolia Recycling and Recovery Pty Ltd







## APPENDIX C      DEVELOPMENT CONSENT

# Development Consent

## Section 89E of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning under delegation executed on 14 September 2011, the Planning Assessment Commission (the Commission) of New South Wales, approves the Development Application referred to in Schedule 1, subject to the conditions in Schedule 2.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the Development.



**Ross Carter**  
Member of the Commission



**Dianne Leeson**  
Member of the Commission

Sydney

11 September 2017

### SCHEDULE 1

Application No:	SSD 7267
Applicant:	SUEZ RECYCLING & RECOVERY PTY LTD
Consent Authority:	Minister for Planning
Development:	Alteration and additions to and an increase in the processing capacity of an existing waste transfer station to 230,000 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (putrescible) and 90,000 tpa of general solid waste (non-putrescible)

TABLE OF CONTENTS

**DEFINITIONS.....iii**

**PART A: ADMINISTRATIVE CONDITIONS .....1**

OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT ..... 1

TERMS OF CONSENT ..... 1

LIMITS OF CONSENT ..... 1

STAGED SUBMISSION OF PLANS OR PROGRAMS ..... 1

EVIDENCE OF CONSULTATION.....2

STATUTORY REQUIREMENTS .....2

DEMOLITION.....2

STRUCTURAL ADEQUACY AND CERTIFICATION .....2

UTILITIES AND SERVICES.....2

PROTECTION OF PUBLIC INFRASTRUCTURE .....2

OPERATION OF PLANT AND EQUIPMENT ..... 3

COMPLIANCE ..... 3

DEVELOPMENT CONTRIBUTIONS ..... 3

REQUIREMENTS PRIOR TO COMMENCEMENT OF EXPANDED OPERATIONS ..... 3

SURRENDER OF CONSENTS ..... 3

**PART B: ENVIRONMENTAL PERFORMANCE AND MANAGEMENT .....5**

WASTE MANAGEMENT ..... 5

AIR QUALITY.....5

SOILS, WATER QUALITY AND HYDROLOGY .....7

TRAFFIC AND ACCESS ..... 8

NOISE.....9

VIBRATION.....9

HAZARDS AND RISK ..... 10

LITTER AND PEST CONTROL ..... 10

CONTAMINATION ..... 10

TRANSGRID TRANSMISSION LINE EASEMENT ..... 10

VISUAL AMENITY ..... 11

**PART C: ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING.....12**

CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN ..... 12

OPERATIONAL ENVIRONMENTAL MANAGEMENT PLAN..... 12

MANAGEMENT PLAN REQUIREMENTS ..... 12

ANNUAL REVIEW ..... 13

REPORTING..... 13

AUDITING..... 14

ACCESS TO INFORMATION ..... 14

**APPENDIX A DEVELOPMENT LAYOUT PLANS.....15**

**APPENDIX B APPLICANT’S MANAGEMENT AND MITIGATION MEASURES .....21**



DEFINITIONS

24 hours	Relating to one day, or happening only on one day
Applicant	SUEZ Recycling & Recovery Pty Ltd, or any other person(s) carrying out any development to which this consent applies
AS	Australian Standard
BCA	Building Code of Australia
CEMP	Construction Environmental Management Plan
Certifying Authority	A person who is authorised by or under section 109D of the EP&A Act to issue Part 4A certificates
Construction	The demolition of buildings or works, the carrying out of works, including bulk earthworks, and erection of buildings and other infrastructure permitted by this consent
Council	Fairfield City Council
Day	The period from 7 am to 6 pm on Monday to Saturday, and 8 am to 6 pm on Sundays and Public Holidays
Demolition	The removal of buildings, sheds and other structures on the site
Department	Department of Planning and Environment
Development	The development as described in the EIS and RTS, and as generally depicted in Appendix A
EIS	Environmental Impact Statement titled <i>Increasing Capacity for Putrescible Waste at Wetherill Park Resource Recovery Facility</i> prepared by Golder Associates dated March 2016
ENM	Excavated Natural Material
EPA	NSW Environment Protection Authority
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning and Assessment Regulation 2000</i>
EPL	Environment Protection Licence issued by the EPA under the POEO Act
Evening	The period from 6 pm to 10 pm
Expanded Operations	The point at which site throughput of general solid waste (putrescible) exceeds 10,000 tpa
FIA	Flood Impact Assessment titled <i>Supplementary Flood Impact Assessment to Update the Wetherill Park EIS</i> prepared by Golder Associates Pty Ltd dated 11 October 2016
FRNSW	Fire and Rescue NSW
General solid waste (putrescible)	As defined in Part 3 Schedule 1 of the POEO Act
General solid waste (non-putrescible)	As defined in Part 3 Schedule 1 of the POEO Act
Heavy vehicle	Any vehicle with a gross vehicle mass of five tonnes or more
Incident	A set of circumstances causing or threatening material harm to the environment, and/or an exceedance of the limits or performance criteria in this consent
Land	In general, the definition of land is consistent with the definition in the EP&A Act
Management & Mitigation Measures	The Applicant's management and mitigation measures contained in the EIS/RTS and included in Appendix B
Material harm to the environment	Harm to the environment is material if it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial
Minister	Minister for Planning (or delegate)
Mitigation	Activities associated with reducing the impacts of the development prior to or during those impacts occurring
Monitoring	Any monitoring required under this consent must be undertaken in accordance with section 122C of the EP&A Act
Night	The period from 10 pm to 7 am on Monday to Saturday, and 10 pm to 8 am on Sundays and Public Holidays
OEMP	Operational Environmental Management Plan
Operation	The receipt, sorting, separating, processing and removal of waste
PCA	Principal Certifying Authority authorised under section 109D of the EP&A Act
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
POEO (Waste) Regulation	<i>Protection of the Environment (Waste) Regulation 2014</i>
RTS	Response to Submissions titled <i>Increase Capacity for Putrescible Waste at Wetherill Park Resource Recovery Facility</i> prepared by Golder Associates dated 11 October 2016 and <i>Further Response to Submissions</i> prepared by the SITA Australia Pty Ltd dated 8 December 2016
Secretary	Secretary of the Department (or nominee)

Sensitive Receivers	A location where people are likely to work or reside, this may include a dwelling, school, hospital, office or public recreational area
Site	The land listed in Schedule 1
VENM	Virgin Excavated Natural Material as defined in the POEO Act
Waste	As defined in the POEO Act
Weighbridge	A weighbridge that is verified in accordance with the <i>National Measures Act 1960</i>

## SCHEDULE 2

### PART A: ADMINISTRATIVE CONDITIONS

#### OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

- A1. In addition to meeting the specific performance criteria established under this consent, the Applicant must implement all measures to prevent and/or minimise any harm to the environment that may result from the Development.

#### TERMS OF CONSENT

- A2. The Applicant, in acting on this consent, must carry out the Development in accordance with the:
- (a) State significant development application SSD 7267;
  - (b) EIS and RTS;
  - (c) conditions in Schedule 2;
  - (d) development layout plans and drawings listed in Appendix A; and
  - (e) the Management and Mitigation Measures as identified in Appendix B.
- A3. If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail to the extent of any inconsistency.
- A4. The Applicant must comply with all written requirement(s) of the Secretary arising from the Department's assessment of:
- (a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent;
  - (b) any reviews, reports or audits undertaken or commissioned by the Department regarding compliance with the consent; and
  - (c) the implementation of any actions or measures contained in these documents.

#### LIMITS OF CONSENT

- 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 the date on which the consent would otherwise lapse under section 95 of the EP&A Act.
- A6. The Applicant must not cause, permit or allow any materials or waste generated outside the site to be received at the site for storage, use, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by an EPL.
- A7. The Applicant must not receive or process on site more than:
- (a) 140,000 tpa of general solid waste (putrescible);
  - (b) 90,000 tpa of general solid waste (non-putrescible); and
  - (c) 10 m<sup>3</sup> of asbestos waste per week.
- A8. The Applicant must not receive or process on site more than 575 m<sup>3</sup> or 402.5 tonnes of general solid waste (putrescible) in any 24-hour period.
- A9. The Applicant must not store general solid waste (putrescible) at the site for more than 24 hours from the time of receipt.

#### STAGED SUBMISSION OF PLANS OR PROGRAMS

- A10. With the approval of the Secretary, the Applicant may:
- (a) submit any strategy, plan or program required by this consent on a progressive basis; and/or
  - (b) combine any strategy, plan or program required by this consent.
- A11. If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage 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. A clear relationship between the strategy, plan or program that is to be combined must be demonstrated.

## REQUEST FOR INFORMATION

- A12. The Applicant must retain all weighbridge records as required by the POEO (Waste) Regulation and for the life of the development. The weighbridge records must be made immediately available on request by the Secretary and/or the EPA.
- A13. The Applicant must retain waste classification records for all wastes received on the site and waste disposed from the site for the life of the development. The waste classification records must be made immediately available on request by the EPA and/or the Secretary.

## EVIDENCE OF CONSULTATION

- A14. Where consultation with any public authority is required by the conditions of this consent, the Applicant must:
- (a) consult with the relevant public authority prior to submitting the required documentation to the Secretary or the PCA for approval;
  - (b) submit evidence of such consultation as part of the relevant documentation required by the conditions of this consent;
  - (c) describe how matters raised by the public authority have been addressed and identify matters that have not been resolved; and
  - (d) include the details of any outstanding issues raised by the relevant public authority and an explanation of disagreement between any public authority and the Applicant.

## STATUTORY REQUIREMENTS

- A15. The Applicant must ensure that all licences, permits and approval/consents are obtained as required by law and maintained as required throughout the life of the Development. No condition of this consent removes the obligation for the Applicant to obtain, renew or comply with such licences, permits or approval/consents.

## DEMOLITION

- A16. The Applicant must ensure that all demolition associated with the Development is carried out in accordance with Australian Standard AS 2601:2001: The Demolition of Structures, or its latest version and the requirements of the Work Health and Safety Regulation, 2011.

## STRUCTURAL ADEQUACY AND CERTIFICATION

- A17. The Applicant must ensure all new buildings and structures, and any alterations or additions to existing buildings and structures are constructed in accordance with the relevant requirements of the BCA.
- A18. Prior to the issue of the Final Occupation Certificate, adjustments to any public utilities necessitated by the development are to be completed in accordance with the requirements of the relevant Authority. Any utility costs are to be at no cost to Council.

## UTILITIES AND SERVICES

- A19. Prior to the construction of any utility works associated with the Development, the Applicant must obtain relevant approvals from service providers.
- A20. Prior to the commencement of construction, Approved Plans must be submitted to the Sydney Water “*Tap In*” service to determine if the development will have any impacts on Sydney Water assets.
- A21. Prior to the commencement of expanded operations, the Applicant must obtain a Compliance Certificate for water and sewerage infrastructure servicing of the site under section 73 of the *Sydney Water Act 1994*.

## PROTECTION OF PUBLIC INFRASTRUCTURE

- A22. Prior to the commencement of construction, the Applicant must:
- (a) consult with the relevant owner and/or provider of services that are likely to be affected by the Development to make suitable arrangements for access to, diversion, protection, and/or 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); and
  - (c) submit a copy of this report to the Secretary and Council.

- A23. 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 the Development; and
  - (b) relocate, or pay the full costs associated with relocating any infrastructure that needs to be relocated as a result of the Development.

**OPERATION OF PLANT AND EQUIPMENT**

- A24. The Applicant must ensure that all plant and equipment used for the Development is:
- (a) maintained in a proper and efficient condition; and
  - (b) operated in a proper and efficient manner.

**COMPLIANCE**

- A25. The Applicant must ensure that employees, contractors and sub-contractors are aware of, and comply with, the conditions of this consent relevant to their respective activities.

**DEVELOPMENT CONTRIBUTIONS**

- A26. Prior to the issue of a Construction Certificate for any part of the Development, the Applicant must pay \$32,795.06 to Council in accordance with the Fairfield City Council Indirect (Section 94A) Development Contributions Plan 2011.

***Note:** The contribution and the amount payable may be adjusted at the date of payment. Any unpaid contributions will be adjusted on a quarterly basis to account for movements in the Australian Bureau of Statistics, producer Price index – Building Construction (NSW South Wales).*

**REQUIREMENTS PRIOR TO COMMENCEMENT OF EXPANDED OPERATIONS**

- A27. Prior to the commencement of expanded operations, the Applicant must ensure a Final Occupation Certificate or a Compliance Certificate has been issued for the following:
- (a) additional pavement and hardstand areas;
  - (b) stormwater system;
  - (c) the construction of an additional exit from the main transfer building to improve internal traffic flow
  - (d) roller shutter within existing waste transfer building; and
  - (e) workshop.

**SURRENDER OF CONSENTS**

- A28. In order for the development of land to proceed in a coordinated and orderly manner and to avoid potential conflicts with this consent, the Applicant must and in the manner prescribed by clause 97 of the EP&A Regulation, surrender the development consents described in **Table 1** prior to the commencement of expanded operations.

**Table 1: Consents to be Surrendered**

Determination Date	DA Number	Details
22 November 1989	483A/89	Construction and operation of a non-putrescible waste transfer station.
23 March 2004	2192/2003	Establishment of a timber stockpile for recycling of timber and timber by-products and the construction of a partially enclosed awning.
28 October 2005	816/2005	Extension of awning for the purposes of the recycling of cardboard and paper products as part of the operation of the non-putrescible waste transfer station.
10 November 2005	758/2005	Extension of existing awning for the purposes of recycling cardboard and paper products as part of the operation of the non-putrescible waste transfer station.
27 September 2007	1557/06	Use of existing recycling facility and waste transfer facility for acceptance, temporary storage and transfer of secured asbestos material
23 December 2009	426.1/2009	Acceptance of putrescible waste and other wastes at an existing waste recycling and transfer facility.
2 December 2010	1028.1/2010	Retailing of compost material

## PART B: ENVIRONMENTAL PERFORMANCE AND MANAGEMENT

### WASTE MANAGEMENT

#### Receipt, Storage & Handling of Waste

- B1. The Applicant shall only receive waste on site that is authorised for receipt by an EPL.
- B2. The Applicant shall ensure any waste generated on the site during construction is classified in accordance with the EPA's *Waste Classification Guidelines, 2014* or its latest version, and disposed of to a facility that may lawfully accept the waste.
- B3. The Applicant shall:
- (a) implement auditable procedures to:
    - i. ensure the site does not accept wastes that are prohibited;
    - ii. screen incoming waste loads; and
  - (b) ensure that:
    - i. all waste types that are controlled under a tracking system have the appropriate documentation prior to acceptance at the site;
    - ii. all waste received at the site must be recorded in accordance with clause 27 of the POEO (Waste) Regulation;
    - iii. details of the quantity, type and source of wastes received on the site must be provided to the EPA and the Secretary when requested;
    - iv. staff receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste;

#### Wastewater

- B4. The Applicant shall ensure all wastewater is discharged to sewer in accordance with a Trade Waste Agreement with Sydney Water.
- B5. The Applicant must ensure the first flush detention tank is bunded 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 listed from a) to c) above, the most stringent requirement must prevail to the extent of the inconsistency.

### AIR QUALITY

#### Meteorological Station

- B6. Prior to the commencement of any works on-site, the Applicant must install a suitable meteorological station on the site that complies with the requirements in the EPA's *Approved Methods for Sampling of Air Pollutants in New South Wales*.

#### Odour Management

- B7. The Applicant must ensure the Development does not cause or permit the emission of any offensive odour (as defined in the POEO Act).
- B8. Prior to the commencement of expanded operations and to the satisfaction of the EPA, the Applicant must:
- (a) install deodorising sprays over the vehicle entrance and exits; and
  - (b) apply a sealant to the concrete working floor in the receival hall to prevent the absorption of leachate into the tipping floor.
- B9. During operations, the Applicant must:
- (a) conduct a weekly wash-down of any tipping area and surge pit contaminated with putrescible waste;
  - (b) conduct annual wash down of interior walls and surfaces;
  - (c) ensure that all trucks and trailers parked at the site are cleaned fortnightly; and
  - (d) ensure that deodorising sprays are operational at all times.

### Dust Management

- B10. The Applicant must implement all measures to minimise dust generated during construction and operation of the Development.
- B11. During construction, the Applicant must ensure that:
- (a) exposed surfaces and stockpiles are suppressed by regular watering;
  - (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; and
  - (d) public roads used by these trucks are kept clean.
- B12. Prior to the commencement of expanded operations, the Applicant must:
- (a) install dust suppression sprays over the vehicle entry and exit; and
  - (b) install interior liner panels to facilitate wash down
- B13. During operations, the Applicant must:
- (a) conduct weekly cleaning of surge pit and tipping area where interior walls have been contaminated with putrescible waste;
  - (b) conduct a six-monthly brush down of interior walls; and
  - (c) ensure that dust suppression sprays are operational when waste is being tipped and processed.

### Odour Management Plan

- B14. Prior to the commencement of expanded operations, the Applicant must prepare an Odour Management Plan (OMP) to the satisfaction of the EPA and the Secretary. The OMP must form part of the OEMP required by Condition C4 and be prepared in accordance with Condition C6. The OMP must:
- (a) be prepared by a suitably qualified and experienced person(s) in consultation with the EPA;
  - (b) describe the measures that would be implemented on-site to ensure:
    - i. odour emissions are minimised, including details of the air pollution control devices and all other operational odour mitigation measures;
    - ii. compliance with the relevant conditions of this consent;
    - iii. compliance if adverse odour emissions occur or appear likely to occur;
  - (c) include an ongoing monitoring program;
  - (d) include well defined triggers for the deployment of odour mitigation and contingency measures; and
  - (e) include a protocol which includes contingency measures for system failures.
- B15. The Applicant shall ensure the OMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.

### Odour Audit

- B16. The Applicant must carry out an Odour Audit of the Development no later than six months after the commencement of expanded operations. Division 2B of Part 6 of the EP&A Act applies to this audit which is for the purpose of validating the odour data used in the EIS. The audit must:
- (a) be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary;
  - (b) audit the Development in full operation;
  - (c) include a summary of odour complaints and any actions that were carried out to address the complaints;
  - (d) validate the Development against odour impact predictions in the EIS and the RTS;
  - (e) review the design and management practices in the Development against industry best practice for odour management;
  - (f) identify suitable odour mitigation options and controls, including but necessarily limited to:
    - i. mechanical ventilation;
    - ii. operation of the building under negative pressure to minimise fugitive emissions; and
    - iii. odour capture and control options.
  - (g) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.

**Note:** The Odour Audit may be prepared so that it addresses the requirements of this consent and the EPL for the Development.

- B17. Within two months of commissioning of the Odour Audit required by Condition B16, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the Odour Audit report to the satisfaction of the EPA and Secretary, together with the Applicant's response to any recommendations contained in the Odour Audit report.



B18. The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of the Odour Audit report required by Condition B17.

**SOILS, WATER QUALITY AND HYDROLOGY**

**Discharge Limits**

B19. 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.

**Flood Management**

B20. Prior to the commencement of construction, the Applicant must prepare a Flood Emergency Response Plan (FERP) for the Development in consultation with Council and to the satisfaction of the Secretary. The Plan must form part of the CEMP and OEMP required by Conditions C1 and C4 and must:

- (a) be prepared by a suitably qualified and experienced person(s);
- (b) address the provisions of the Floodplain Risk Management Guideline (OEH 2007);
- (c) 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.

B21. The Applicant shall ensure the FERP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.

B22. During construction and operation of the Development, the Applicant must not use the driveways modelled as high hazard in the FIA as an evacuation route during times of flooding.

**Stormwater Management System**

B23. 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 applicable Australian Standards;
- (c) 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);
- (d) divert existing clean surface water around operational areas of the site;
- (e) prevent firewater and contaminated water from entering the stormwater management system;
- (f) direct all sediment laden water in overland flow away from the leachate management system; and
- (g) prevent cross-contamination of clean and sediment or leachate laden water.

**Chemical Spills and Fire Water Containment**

B24. To ensure that chemical spills and fire-water are contained on-site, prior to the commencement of expanded operations and to the satisfaction of FRNSW, the Applicant must ensure:

- (a) the stormwater isolation valve is automatically initiated upon either sprinkler activation and/or alternatively via activation of any Manual Call Point installed within the site;
- (b) the stormwater isolation valve functionality should include a fail-safe function on power failure which automatically closes the valve. The stormwater isolation valve must remain in the closed position until a manual over-ride function is initiated upon confirmation that stormwater isolation is no longer required or once any contaminated water is disposed via trade waste or at a site that can lawfully receive the waste; and
- (c) the location of the stormwater isolation valve and any associated controls must be clearly identified on the site's fire hydrant block plan, fire sprinkler block plan and the site plan located within the site's Emergency Response Plan.

**Sprinkler and Fire Hydrant System**

B25. Prior to the commencement of expanded operations and to the satisfaction of FRNSW, the Applicant must ensure:

- (a) the sprinkler system has extended coverage across the surge pit and load-out chutes; and
- (b) the fire hydrant system is designed, installed and commissioned in accordance with AS 2419.1-2005.

## Imported Soil

- B26. The Applicant must:
- (a) ensure that only VENM, or ENM, or other material approved in writing by the EPA is used as fill on the site;
  - (b) keep accurate records of the volume and type of fill to be used; and
  - (c) make these records available to the Department upon request.

## Erosion and Sediment Control

- B27. Prior to the commencement of construction, the Applicant must install and maintain suitable erosion and sediment control measures on-site, in accordance with the relevant requirements in the latest version of the *Managing Urban Stormwater: Soils and Construction Guideline* and the Erosion and Sediment Control Plan included in the CEMP required by Condition C1.

## TRAFFIC AND ACCESS

### Parking

- B28. Prior to the commencement of expanded operations, the Applicant must provide 21 on-site parking spaces for visitors and staff (including one accessible parking space) and 12 on-site parking spaces for heavy vehicles to ensure that traffic associated with the Development does not utilise public and residential streets or public parking facilities. Parking areas must be constructed in accordance with the latest version of AS 2890.

### Operating Conditions

- B29. The Applicant must ensure:
- (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 and AS 2890.2;
  - (b) the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the 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 within the waste transfer station building;
  - (g) all trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network;
  - (h) the weighbridge stop line is moved 3 m to the west to prevent queuing on Davis Road; and
  - (i) the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times.

### Operational Traffic Management Plan

- B30. Prior to the commencement of expanded operations, the Applicant must prepare an Operational Traffic Management Plan (OTMP) for the Development to the satisfaction of the Secretary. The plan must form part of the OEMP required by Condition C4 and be prepared in accordance with Condition C6 and must:
- (a) be prepared by a suitably qualified and experienced person(s);
  - (b) be prepared in consultation with Council;
  - (c) detail the measures that are to be implemented to ensure road safety and network efficiency including restricting queuing or parking of vehicles on Davis Road;
  - (d) detail heavy vehicle routes, access and parking arrangements;
  - (e) include a Driver Code of Conduct to:
    - i. minimise the impacts on the local and regional road network;
    - ii. minimise conflicts with other road users;
    - iii. minimise road traffic noise;
    - iv. ensure truck drivers use specified routes; and
    - v. include a program to monitor the effectiveness of these measures.
- B31. The Applicant shall ensure the OTMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.

NOISE

Hours of Work

B32. The Applicant must comply with the hours detailed in **Table 2**;

**Table 2: Hours of Work**

Activity	Day	Time
Earthworks and construction	Monday – Friday	7 am to 6 pm
	Saturday	8 am to 1 pm
Operation	Monday – Sunday	24 hours

B33. Works outside of the hours identified in Condition B32 may be undertaken in the following circumstances:

- (a) works that are inaudible at the nearest sensitive receivers;
- (b) works agreed to in writing by the Secretary;
- (c) 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 and /or prevent environmental harm.

Construction Noise Limits

B34. The Development must be constructed to achieve the construction noise management levels detailed in the *Interim Construction Noise Guideline* (Department of Environment and Climate Change, 2009). All noise mitigation measures must be implemented and any activities that could exceed the construction noise management levels must be identified and managed in accordance with the management and mitigation measures in the EIS.

Operational Noise Limits

B35. The Applicant must ensure that noise generated by operation of the Development does not exceed the noise limits in **Table 3**.

**Table 3: Noise Limits dB(A)**

Location	Day	Evening	Night	Night
	L <sub>Aeq</sub> (15 minute)	L <sub>Aeq</sub> (15 minute)	L <sub>Aeq</sub> (15 minute)	L <sub>A1</sub> (1 minute)
All residential receivers	35	35	35	45

**Note:** Noise generated by the Development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy.

Noise Mitigation

B36. The Applicant must:

- (a) implement best practice, including all noise management and mitigation measures to prevent and minimise operational, low frequency and traffic noise generated by the development;
- (b) minimise the noise impacts of the development during adverse meteorological conditions;
- (c) maintain the effectiveness of any noise suppression equipment on plant at all times and ensure defective plant and equipment is not being used operationally until fully repaired; and
- (d) regularly assess noise emissions and relocated, modify and/or stop operations to ensure compliance with the relevant conditions of this consent.

Construction and Operational Noise Management

B37. The Applicant must ensure that all its vehicles are fitted with a broadband reversing alarm.

VIBRATION

Vibration Criteria

B38. Vibration caused by construction at any residence or structure outside the site must be limited to:

- (a) for structural damage, German Standard DIN 4150 Part 3 Structural Vibration in Buildings. Effects on Structures; and
- (b) for human exposure, the acceptable vibration values set out in the Environmental Noise Management Assessing Vibration: A Technical Guideline (Department of Environment and Conservation, 2006).

HAZARDS AND RISK

- B39. The Applicant must store all chemicals, fuels and oils used on-site in accordance with:
- (a) the requirements of all relevant Australian Standards; and
  - (b) the NSW EPA's *'Storing and Handling of Liquids: Environmental Protection – Participants Handbook'* if the chemicals are liquids.

In the event of an inconsistency between the requirements listed from (a) to (b) above, the most stringent requirement must prevail to the extent of the inconsistency.

Dangerous Goods

- B40. The quantities of dangerous goods stored and handled at the site must be below the threshold quantities listed in the Department of Planning's *Hazardous and Offensive Development Application Guidelines – Applying SEPP 33* at all times.
- B41. Dangerous goods, as defined by the *Australian Dangerous Goods Code*, must be stored and handled strictly in accordance with:
- (d) all relevant Australian Standards;
  - (e) for liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and
  - (f) the *Environment Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin* (EPA,1997).

In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement must prevail to the extent of the inconsistency.

LITTER AND PEST CONTROL

Pests, Vermin and Noxious Weed Management

- B42. The Applicant must:
- (a) ensure all waste loads are covered unless within the waste transfer station building; and
  - (b) maintain the site in a clean and tidy state at all times.
- B43. The Applicant must:
- (a) implement suitable measures to manage pests, vermin and declared noxious 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 noxious 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, noxious weeds are those species subject to an order declared under the Noxious Weed Act 1993.

CONTAMINATION

- B44. Prior to the commencement of construction, the Applicant must prepare an unexpected finds protocol to ensure that potentially contaminated material is appropriately managed. The protocol must form part of the CEMP required by Condition C1 and must ensure any material identified as contaminated must be disposed off-site, with the disposal location and results of testing submitted to the Secretary, prior to its removal from the site.

TRANSGRID TRANSMISSION LINE EASEMENT

- B45. The Applicant must ensure no works of any kind are permitted within the 20-metre exclusion zone surrounding the transmission line tower.
- B46. The Applicant must ensure that the existing ground level is to be retained at the site and the AUS7000 clearance requirement shall be met for the proposed driveway within TransGrid's easement.
- B47. The Applicant must ensure that all works shall be carried out in accordance with the NSW WorkCover's *'Work Near Overhead Power Lines' Code of Practice 2006* and *TransGrid's Easement Guidelines for Third Party Development (V10)*. A safe unobstructed working platform shall be preserved around the transmission line structures for access by EWP, cranes as well as other large plant and equipment. No obstructions of any type shall be placed within 30 metres of any part of a transmission line structure.

- B48. The Applicant must ensure that the design of access ways/roads to TransGrid's easement and structures shall cater for the weight and size of TransGrid's maintenance vehicles that have a 40 tonne load capacity.
- B49. The Applicant must ensure that all activities and operating plant within the easement are limited to a height restriction of 4.3 m above ground height to ensure safe clearances to the overhead powerline.
- B50. During construction, the Applicant must take adequate precautions to protect structures from accidental damage.
- B51. The Applicant must ensure that the easement area shall not be used for temporary storage of construction spoil, topsoil, gravel or any other construction material.
- B52. The Applicant must ensure that no obstruction of any type shall be placed within 30 m of any part of a transmission line structure.
- B53. During construction, the Applicant must ensure that TransGrid have unrestricted access for the purpose of undertaking normal maintenance and inspection activities. At completion of works, access to transmission lines and structures must be freely available at all times for TransGrid plant and personnel.
- B54. The Applicant must provide formal written notification of any amendment and/or additional works proposed to the subject site. Any additional works proposed within the easement require an assessment by TransGrid to ensure that clearances to transmission lines and structures are met. TransGrid's clearance requirements must be met to ensure public safety.

## **VISUAL AMENITY**

### **Lighting**

- B55. The Applicant must ensure the lighting associated with the Development:
  - (a) complies with the latest version of AS 4282 (INT) - Control of Obtrusive Effects of Outdoor Lighting; and
  - (b) is mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties or the public road network.

## PART C: ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING

### CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

- C1. The Applicant must prepare a Construction Environmental Management Plan (CEMP) to the satisfaction of the Secretary. The CEMP must:
- (a) be prepared to the satisfaction of the Secretary prior to the commencement of construction;
  - (b) identify the statutory approvals that apply to the Development;
  - (c) outline all environmental management practices and procedures to be followed during construction works associated with the Development;
  - (d) explain the controls that would be implemented to minimise dust emissions during construction of the Development;
  - (e) describe all activities to be undertaken on the site during construction of the Development, including a clear indication of construction stages;
  - (f) detail how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified adverse environmental impacts;
  - (g) describe the roles and responsibilities for all relevant employees involved in construction works associated with the Development; and
  - (h) include the management plans required under Condition C2 of this consent.
- C2. As part of the CEMP required under Condition C1 of this consent, the Applicant must include the following:
- (a) FERP (see Condition B20); and
  - (b) Erosion and Sediment Control Plan (see Condition B27).
- C3. The Applicant must carry out the construction of the Development in accordance with the CEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

### OPERATIONAL ENVIRONMENTAL MANAGEMENT PLAN

- C4. The Applicant must prepare an Operational Environmental Management Plan (OEMP) to the satisfaction of the Secretary. The OEMP must:
- (a) be prepared to the satisfaction of the Secretary prior to the commencement of the expanded operation;
  - (b) be prepared by a suitably qualified and experienced expert;
  - (c) provide the strategic framework for environmental management of the Development;
  - (d) identify the statutory approvals that apply to the Development;
  - (e) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the Development;
  - (f) describe the procedures that would be implemented to:
    - i. keep the local community and relevant agencies informed about the operation and environmental performance of the Development;
    - ii. receive, handle, respond to, and record complaints;
    - iii. resolve any disputes that may arise;
    - iv. respond to any non-compliance;
    - v. respond to emergencies; and
  - (g) include the following environmental management plans:
    - i. OMP (see Condition B14);
    - ii. FERP (see Condition B20);
    - iii. OTMP (see Condition B30); and
- C5. The Applicant must operate the Development in accordance with the OEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

### MANAGEMENT PLAN REQUIREMENTS

- C6. The Applicant must ensure that the environmental management plans required under Condition C1 and Condition C4 of this consent are prepared by a suitably qualified person or persons in accordance with best practice and include:
- (a) detailed baseline data;
  - (b) a description of:
    - i. the relevant statutory requirements (including any relevant approval, licence or lease conditions);
    - ii. any relevant limits or performance measures/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;

- (c) a description of the management measures that would be implemented to comply with the relevant statutory requirements, limits or performance measures/criteria;
- (d) a program to monitor and report on the:
  - i. impacts and environmental performance of the Development; and
  - ii. effectiveness of any management measures (see (c) above);
- (e) a contingency plan to manage any unpredicted impacts and their consequences;
- (f) a program to investigate and implement ways to improve the environmental performance of the Development over time;
- (g) a protocol for managing and reporting any:
  - i. incidents;
  - ii. complaints;
  - iii. non-compliances with statutory requirements; and
  - iv. exceedances of the impact assessment criteria and/or performance criteria; and
- (h) a protocol for periodic review of the plan.

#### Revision of Strategies, Plans and Programs

- C7. Within three months of:
- (a) approval of a modification;
  - (b) approval of an annual review under Condition C8;
  - (c) submission of an incident report under Condition C9; or
  - (d) completion of an audit under Condition C12,

the Applicant must review, and if necessary revise, the strategies, plans, and programs required under this consent to the satisfaction of the Secretary.

**Note:** *This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the Development.*

#### ANNUAL REVIEW

- C8. Each year, the Applicant must review the environmental performance of the Development to the satisfaction of the Secretary. This review must:
- (a) describe the development that was carried out in the previous calendar year, and the Development that is proposed to be carried out over the next year;
  - (b) include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of these results against the:
    - i. the relevant statutory requirements, limits or performance measures/criteria;
    - ii. requirements of any plan or program required under this consent;
    - iii. the monitoring results of previous years; and
    - iv. the relevant predictions in the EIS;
  - (c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;
  - (d) identify any trends in the monitoring data over the life of the Development;
  - (e) identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and
  - (f) describe what measures will be implemented over the next year to improve the environmental performance of the Development.

#### REPORTING

##### Incident Reporting

- C9. Within 24 hours of any incident or potential incident with actual or potential significant off-site impacts on people or the biophysical environment, a report shall be supplied to the Department outlining the basic facts. A further detailed report shall be prepared and submitted following investigations of the causes and identification of necessary additional preventive measures. That report must be submitted to the Secretary no later than 14 days after the incident or potential incident.
- C10. The Applicant shall maintain a register of accidents, incidents and potential incidents. The register shall be made available for inspection at any time by the independent Hazard Auditor and the Department.

## Regular Reporting

- C11. The Applicant must provide regular reporting on the environmental performance of the Development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.

## AUDITING

### Independent Environmental Audit

- C12. Within one year of the commencement of operation, and every three years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (audit) of the Development. Division 2B of Part 6 of the EP&A Act applies to these audits, which are for the purposes of ascertaining information in relation to the environmental performance of the Development and the adequacy of strategies, plans and programs. Audits must:
- (a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;
  - (b) include consultation with the relevant agencies;
  - (c) assess the environmental performance of the Development and assess whether it is complying with the requirements in this consent, and any other relevant approvals, relevant EPL(s) (including any assessment, plan or program required under these approvals);
  - (d) review the adequacy of any approved strategy, plan or program required under the abovementioned consents; and
  - (e) recommend measures or actions to improve the environmental performance of the Development, and/or any strategy, plan or program required under these consents.

**Note:** *This audit team must be led by a suitably qualified auditor, and include relevant experts in any other fields specified by the Secretary.*

- C13. Within three months of commissioning this audit, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary, and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The Applicant must implement these recommendations to the satisfaction of the Secretary.

## ACCESS TO INFORMATION

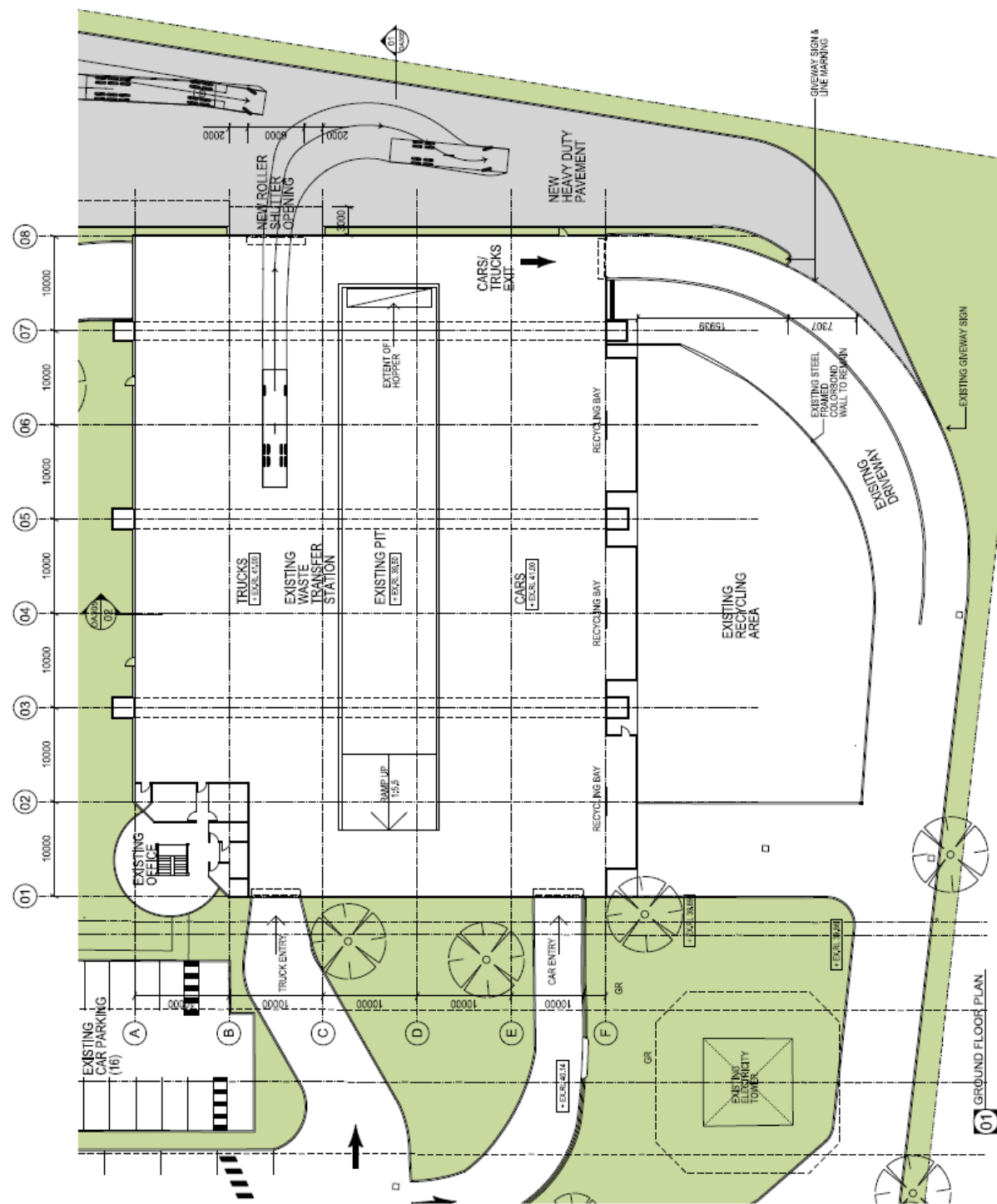
- C14. The Applicant must:
- (a) make copies of the following publicly available on its website:
    - i. the documents referred to in Condition A2;
    - ii. all current statutory approvals for the Development;
    - iii. all approved strategies, plans and programs required under the conditions of this consent;
    - iv. 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;
    - v. a complaint register updated on a monthly basis;
    - vi. the annual reviews of the Development;
    - vii. any independent environmental audit of the Development and the Applicant's response to the recommendations in any audit;
    - viii. any other matter required by the Secretary; and
    - ix. keep this information up to date, to the satisfaction of the Secretary.



[illegible]

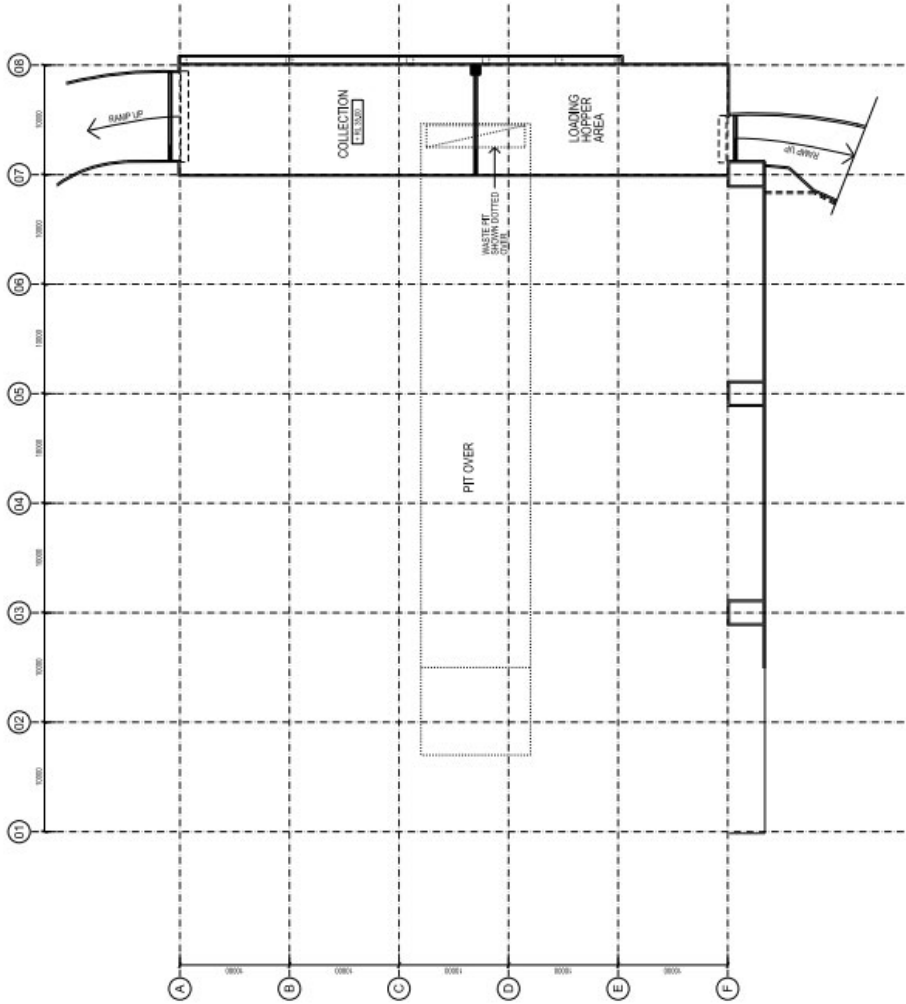
NOTES:  
1. THE PROPOSED TRUCK PARKING, DRIVEWAYS  
AND MANEUVERING AREA ARE DESIGNED IN ACCORDANCE  
WITH AS 2890.1 & AS 2890.2

[illegible]



NOTE:  
GR - 600mm HIGH ARMO GUARD RAIL  
HR - 1000mm GALV STEEL BALUSTRADE

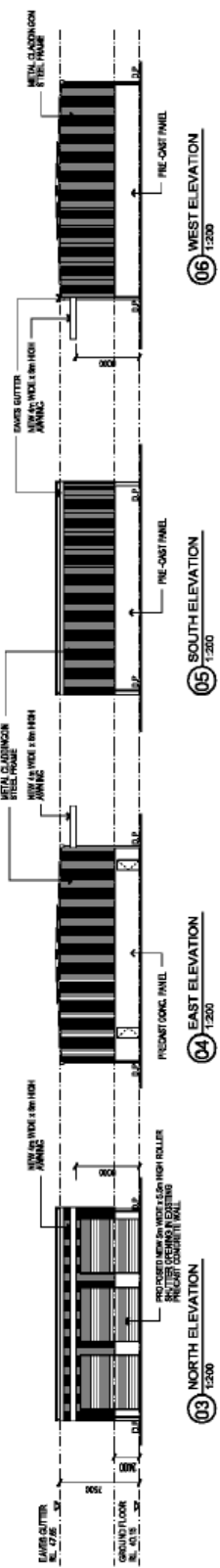
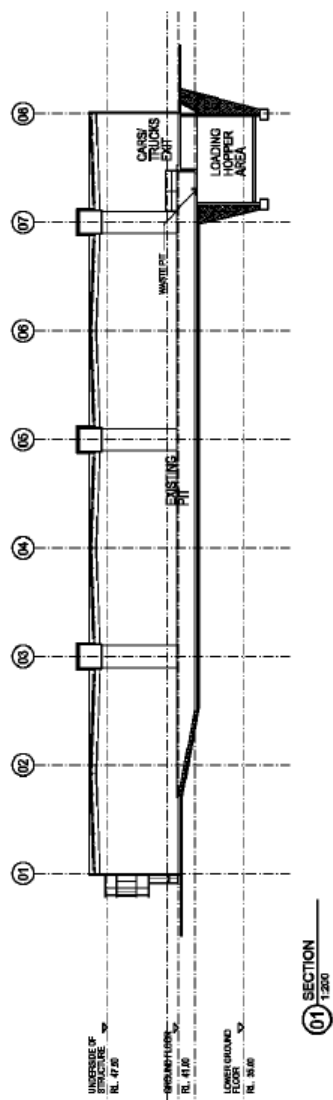
<p>Project Name: Wetherill Park Resource Recovery Facility</p> <p>Project No: 15233</p> <p>Client: DA 201 G</p>		<p>Scale: 1:500</p> <p>Author: [Name]</p> <p>Check: [Name]</p> <p>Drawn: [Name]</p> <p>Approved: [Name]</p>	
<p>Project Location: Wetherill Park</p> <p>Project Description: Resource Recovery Facility</p> <p>Project Status: DA 201 G</p>		<p>Project Manager: [Name]</p> <p>Project Engineer: [Name]</p> <p>Project Designer: [Name]</p> <p>Project Drafter: [Name]</p>	
<p>Project Date: 15/03/2018</p> <p>Project Version: 1.0</p> <p>Project Status: DA 201 G</p>		<p>Project Location: Wetherill Park</p> <p>Project Description: Resource Recovery Facility</p> <p>Project Status: DA 201 G</p>	

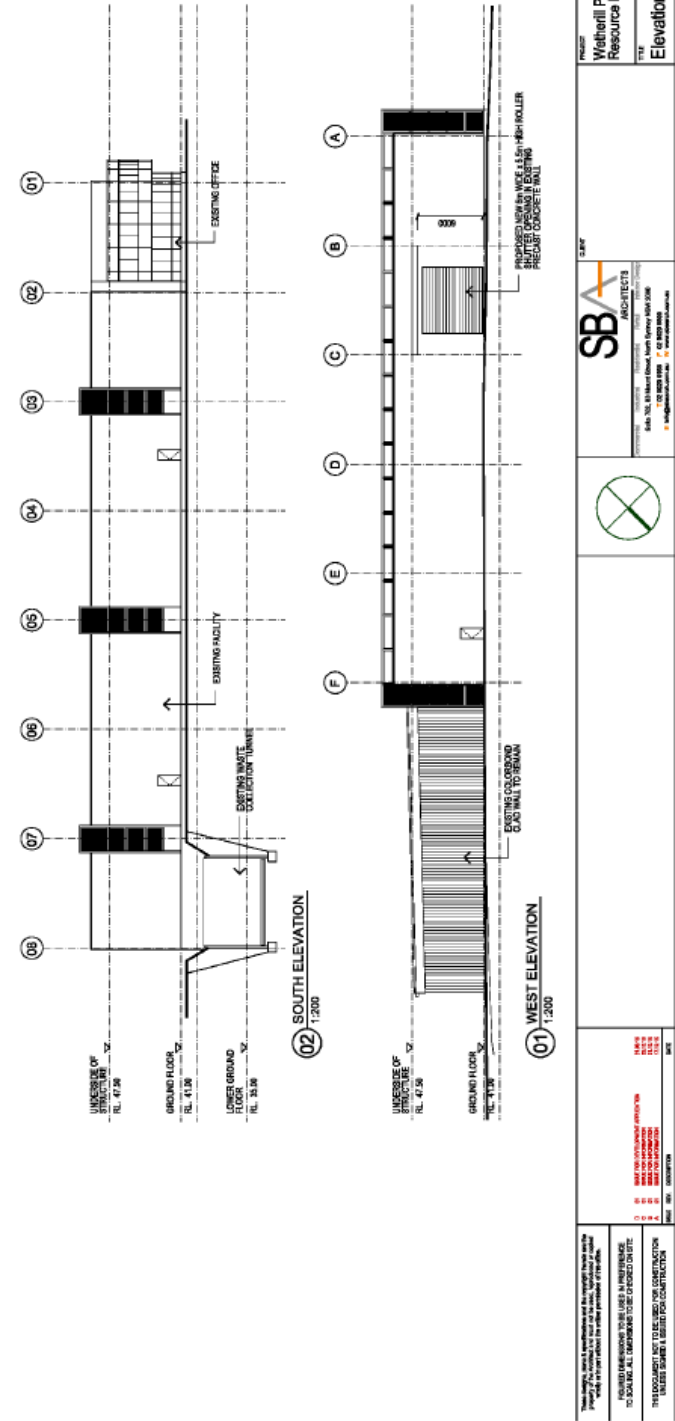


01 LOWER GROUND FLOOR PLAN

<div>Project Details</div> <div>Project Name: Wetherill Park Transfer Station</div> <div>Project Number: 15233</div> <div>Project Location: Wetherill Park</div> <div>Project Status: DA 202 A</div>	<div>Client</div> <div>Client Name: MAA Kings</div> <div>Client Address: Workshop Relocation</div> <div>Client Contact: Lower Ground Floor Plan</div>	<div>Architect</div> <div>Architect Name: SBA Architects</div> <div>Architect Address: 1/100-110/112-114/116/118/120/122/124/126/128/130/132/134/136/138/140/142/144/146/148/150/152/154/156/158/160/162/164/166/168/170/172/174/176/178/180/182/184/186/188/190/192/194/196/198/200/202/204/206/208/210/212/214/216/218/220/222/224/226/228/230/232/234/236/238/240/242/244/246/248/250/252/254/256/258/260/262/264/266/268/270/272/274/276/278/280/282/284/286/288/290/292/294/296/298/300/302/304/306/308/310/312/314/316/318/320/322/324/326/328/330/332/334/336/338/340/342/344/346/348/350/352/354/356/358/360/362/364/366/368/370/372/374/376/378/380/382/384/386/388/390/392/394/396/398/400/402/404/406/408/410/412/414/416/418/420/422/424/426/428/430/432/434/436/438/440/442/444/446/448/450/452/454/456/458/460/462/464/466/468/470/472/474/476/478/480/482/484/486/488/490/492/494/496/498/500/502/504/506/508/510/512/514/516/518/520/522/524/526/528/530/532/534/536/538/540/542/544/546/548/550/552/554/556/558/560/562/564/566/568/570/572/574/576/578/580/582/584/586/588/590/592/594/596/598/600/602/604/606/608/610/612/614/616/618/620/622/624/626/628/630/632/634/636/638/640/642/644/646/648/650/652/654/656/658/660/662/664/666/668/670/672/674/676/678/680/682/684/686/688/690/692/694/696/698/700/702/704/706/708/710/712/714/716/718/720/722/724/726/728/730/732/734/736/738/740/742/744/746/748/750/752/754/756/758/760/762/764/766/768/770/772/774/776/778/780/782/784/786/788/790/792/794/796/798/800/802/804/806/808/810/812/814/816/818/820/822/824/826/828/830/832/834/836/838/840/842/844/846/848/850/852/854/856/858/860/862/864/866/868/870/872/874/876/878/880/882/884/886/888/890/892/894/896/898/900/902/904/906/908/910/912/914/916/918/920/922/924/926/928/930/932/934/936/938/940/942/944/946/948/950/952/954/956/958/960/962/964/966/968/970/972/974/976/978/980/982/984/986/988/990/992/994/996/998/1000/1002/1004/1006/1008/1010/1012/1014/1016/1018/1020/1022/1024/1026/1028/1030/1032/1034/1036/1038/1040/1042/1044/1046/1048/1050/1052/1054/1056/1058/1060/1062/1064/1066/1068/1070/1072/1074/1076/1078/1080/1082/1084/1086/1088/1090/1092/1094/1096/1098/1100/1102/1104/1106/1108/1110/1112/1114/1116/1118/1120/1122/1124/1126/1128/1130/1132/1134/1136/1138/1140/1142/1144/1146/1148/1150/1152/1154/1156/1158/1160/1162/1164/1166/1168/1170/1172/1174/1176/1178/1180/1182/1184/1186/1188/1190/1192/1194/1196/1198/1200/1202/1204/1206/1208/1210/1212/1214/1216/1218/1220/1222/1224/1226/1228/1230/1232/1234/1236/1238/1240/1242/1244/1246/1248/1250/1252/1254/1256/1258/1260/1262/1264/1266/1268/1270/1272/1274/1276/1278/1280/1282/1284/1286/1288/1290/1292/1294/1296/1298/1300/1302/1304/1306/1308/1310/1312/1314/1316/1318/1320/1322/1324/1326/1328/1330/1332/1334/1336/1338/1340/1342/1344/1346/1348/1350/1352/1354/1356/1358/1360/1362/1364/1366/1368/1370/1372/1374/1376/1378/1380/1382/1384/1386/1388/1390/1392/1394/1396/1398/1400/1402/1404/1406/1408/1410/1412/1414/1416/1418/1420/1422/1424/1426/1428/1430/1432/1434/1436/1438/1440/1442/1444/1446/1448/1450/1452/1454/1456/1458/1460/1462/1464/1466/1468/1470/1472/1474/1476/1478/1480/1482/1484/1486/1488/1490/1492/1494/1496/1498/1500/1502/1504/1506/1508/1510/1512/1514/1516/1518/1520/1522/1524/1526/1528/1530/1532/1534/1536/1538/1540/1542/1544/1546/1548/1550/1552/1554/1556/1558/1560/1562/1564/1566/1568/1570/1572/1574/1576/1578/1580/1582/1584/1586/1588/1590/1592/1594/1596/1598/1600/1602/1604/1606/1608/1610/1612/1614/1616/1618/1620/1622/1624/1626/1628/1630/1632/1634/1636/1638/1640/1642/1644/1646/1648/1650/1652/1654/1656/1658/1660/1662/1664/1666/1668/1670/1672/1674/1676/1678/1680/1682/1684/1686/1688/1690/1692/1694/1696/1698/1700/1702/1704/1706/1708/1710/1712/1714/1716/1718/1720/1722/1724/1726/1728/1730/1732/1734/1736/1738/1740/1742/1744/1746/1748/1750/1752/1754/1756/1758/1760/1762/1764/1766/1768/1770/1772/1774/1776/1778/1780/1782/1784/1786/1788/1790/1792/1794/1796/1798/1800/1802/1804/1806/1808/1810/1812/1814/1816/1818/1820/1822/1824/1826/1828/1830/1832/1834/1836/1838/1840/1842/1844/1846/1848/1850/1852/1854/1856/1858/1860/1862/1864/1866/1868/1870/1872/1874/1876/1878/1880/1882/1884/1886/1888/1890/1892/1894/1896/1898/1900/1902/1904/1906/1908/1910/1912/1914/1916/1918/1920/1922/1924/1926/1928/1930/1932/1934/1936/1938/1940/1942/1944/1946/1948/1950/1952/1954/1956/1958/1960/1962/1964/1966/1968/1970/1972/1974/1976/1978/1980/1982/1984/1986/1988/1990/1992/1994/1996/1998/2000/2002/2004/2006/2008/2010/2012/2014/2016/2018/2020/2022/2024/2026/2028/2030/2032/2034/2036/2038/2040/2042/2044/2046/2048/2050/2052/2054/2056/2058/2060/2062/2064/2066/2068/2070/2072/2074/2076/2078/2080/2082/2084/2086/2088/2090/2092/2094/2096/2098/2100/2102/2104/2106/2108/2110/2112/2114/2116/2118/2120/2122/2124/2126/2128/2130/2132/2134/2136/2138/2140/2142/2144/2146/2148/2150/2152/2154/2156/2158/2160/2162/2164/2166/2168/2170/2172/2174/2176/2178/2180/2182/2184/2186/2188/2190/2192/2194/2196/2198/2200/2202/2204/2206/2208/2210/2212/2214/2216/2218/2220/2222/2224/2226/2228/2230/2232/2234/2236/2238/2240/2242/2244/2246/2248/2250/2252/2254/2256/2258/2260/2262/2264/2266/2268/2270/2272/2274/2276/2278/2280/2282/2284/2286/2288/2290/2292/2294/2296/2298/2300/2302/2304/2306/2308/2310/2312/2314/2316/2318/2320/2322/2324/2326/2328/2330/2332/2334/2336/2338/2340/2342/2344/2346/2348/2350/2352/2354/2356/2358/2360/2362/2364/2366/2368/2370/2372/2374/2376/2378/2380/2382/2384/2386/2388/2390/2392/2394/2396/2398/2400/2402/2404/2406/2408/2410/2412/2414/2416/2418/2420/2422/2424/2426/2428/2430/2432/2434/2436/2438/2440/2442/2444/2446/2448/2450/2452/2454/2456/2458/2460/2462/2464/2466/2468/2470/2472/2474/2476/2478/2480/2482/2484/2486/2488/2490/2492/2494/2496/2498/2500/2502/2504/2506/2508/2510/2512/2514/2516/2518/2520/2522/2524/2526/2528/2530/2532/2534/2536/2538/2540/2542/2544/2546/2548/2550/2552/2554/2556/2558/2560/2562/2564/2566/2568/2570/2572/2574/2576/2578/2580/2582/2584/2586/2588/2590/2592/2594/2596/2598/2600/2602/2604/2606/2608/2610/2612/2614/2616/2618/2620/2622/2624/2626/2628/2630/2632/2634/2636/2638/2640/2642/2644/2646/2648/2650/2652/2654/2656/2658/2660/2662/2664/2666/2668/2670/2672/2674/2676/2678/2680/2682/2684/2686/2688/2690/2692/2694/2696/2698/2700/2702/2704/2706/2708/2710/2712/2714/2716/2718/2720/2722/2724/2726/2728/2730/2732/2734/2736/2738/2740/2742/2744/2746/2748/2750/2752/2754/2756/2758/2760/2762/2764/2766/2768/2770/2772/2774/2776/2778/2780/2782/2784/2786/2788/2790/2792/2794/2796/2798/2800/2802/2804/2806/2808/2810/2812/2814/2816/2818/2820/2822/2824/2826/2828/2830/2832/2834/2836/2838/2840/2842/2844/2846/2848/2850/2852/2854/2856/2858/2860/2862/2864/2866/2868/2870/2872/2874/2876/2878/2880/2882/2884/2886/2888/2890/2892/2894/2896/2898/2900/2902/2904/2906/2908/2910/2912/2914/2916/2918/2920/2922/2924/2926/2928/2930/2932/2934/2936/2938/2940/2942/2944/2946/2948/2950/2952/2954/2956/2958/2960/2962/2964/2966/2968/2970/2972/2974/2976/2978/2980/2982/2984/2986/2988/2990/2992/2994/2996/2998/3000/3002/3004/3006/3008/3010/3012/3014/3016/3018/3020/3022/3024/3026/3028/3030/3032/3034/3036/3038/3040/3042/3044/3046/3048/3050/3052/3054/3056/3058/3060/3062/3064/3066/3068/3070/3072/3074/3076/3078/3080/3082/3084/3086/3088/3090/3092/3094/3096/3098/3100/3102/3104/3106/3108/3110/3112/3114/3116/3118/3120/3122/3124/3126/3128/3130/3132/3134/3136/3138/3140/3142/3144/3146/3148/3150/3152/3154/3156/3158/3160/3162/3164/3166/3168/3170/3172/3174/3176/3178/3180/3182/3184/3186/3188/3190/3192/3194/3196/3198/3200/3202/3204/3206/3208/3210/3212/3214/3216/3218/3220/3222/3224/3226/3228/3230/3232/3234/3236/3238/3240/3242/3244/3246/3248/3250/3252/3254/3256/3258/3260/3262/3264/3266/3268/3270/3272/3274/3276/3278/3280/3282/3284/3286/3288/3290/3292/3294/3296/3298/3300/3302/3304/3306/3308/3310/3312/3314/3316/3318/3320/3322/3324/3326/3328/3330/3332/3334/3336/3338/3340/3342/3344/3346/3348/3350/3352/3354/3356/3358/3360/3362/3364/3366/3368/3370/3372/3374/3376/3378/3380/3382/3384/3386/3388/3390/3392/3394/3396/3398/3400/3402/3404/3406/3408/3410/3412/3414/3416/3418/3420/3422/3424/3426/3428/3430/3432/3434/3436/3438/3440/3442/3444/3446/3448/3450/3452/3454/3456/3458/3460/3462/3464/3466/3468/3470/3472/3474/3476/3478/3480/3482/3484/3486/3488/3490/3492/3494/3496/3498/3500/3502/3504/3506/3508/3510/3512/3514/3516/3518/3520/3522/3524/3526/3528/3530/3532/3534/3536/3538/3540/3542/3544/3546/3548/3550/3552/3554/3556/3558/3560/3562/3564/3566/3568/3570/3572/3574/3576/3578/3580/3582/3584/3586/3588/3590/3592/3594/3596/3598/3600/3602/3604/3606/3608/3610/3612/3614/3616/3618/3620/3622/3624/3626/3628/3630/3632/3634/3636/3638/3640/3642/3644/3646/3648/3650/3652/3654/3656/3658/3660/3662/3664/3666/3668/3670/3672/3674/3676/3678/3680/3682/3684/3686/3688/3690/3692/3694/3696/3698/3700/3702/3704/3706/3708/3710/3712/3714/3716/3718/3720/3722/3724/3726/3728/3730/3732/3734/3736/3738/3740/3742/3744/3746/3748/3750/3752/3754/3756/3758/3760/3762/3764/3766/3768/3770/3772/3774/3776/3778/3780/3782/3784/3786/3788/3790/3792/3794/3796/3798/3800/3802/3804/3806/3808/3810/3812/3814/3816/3818/3820/3822/3824/3826/3828/3830/3832/3834/3836/3838/3840/3842/3844/3846/3848/3850/3852/3854/3856/3858/3860/3862/3864/3866/3868/3870/3872/3874/3876/3878/3880/3882/3884/3886/3888/3890/3892/3894/3896/3898/3900/3902/3904/3906/3908/3910/3912/3914/3916/3918/3920/3922/3924/3926/3928/3930/3932/3934/3936/3938/3940/3942/3944/3946/3948/3950/3952/3954/3956/3958/3960/3962/3964/3966/3968/3970/3972/3974/3976/3978/3980/3982/3984/3986/3988/3990/3992/3994/3996/3998/4000/4002/4004/4006/4008/4010/4012/4014/4016/4018/4020/4022/4024/4026/4028/4030/4032/4034/4036/4038/4040/4042/4044/4046/4048/4050/4052/4054/4056/4058/4060/4062/4064/4066/4068/4070/4072/4074/4076/4078/4080/4082/4084/4086/4088/4090/4092/4094/4096/4098/4100/4102/4104/4106/4108/4110/4112/4114/4116/4118/4120/4122/4124/4126/4128/4130/4132/4134/4136/4138/4140/4142/4144/4146/4148/4150/4152/4154/4156/4158/4160/4162/4164/4166/4168/4170/4172/4174/4176/4178/4180/4182/4184/4186/4188/4190/4192/4194/4196/4198/4200/4202/4204/4206/4208/4210/4212/4214/4216/4218/4220/4222/4224/4226/4228/4230/4232/4234/4236/4238/4240/4242/4244/4246/4248/4250/4252/4254/4256/4258/4260/4262/4264/4266/4268/4270/4272/4274/4276/4278/4280/4282/4284/4286/4288/4290/4292/4294/4296/4298/4300/4302/4304/4306/4308/4310/4312/4314/4316/4318/4320/4322/4324/4326/4328/4330/4332/4334/4336/4338/4340/4342/4344/4346/4348/4350/4352/4354/4356/4358/4360/4362/4364/4366/4368/4370/4372/4374/4376/4378/4380/4382/4384/4386/4388/4390/4392/4394/4396/4398/4400/4402/4404/4406/4408/4410/4412/4414/4416/4418/4420/4422/4424/4426/4428/4430/4432/4434/4436/4438/4440/4442/4444/4446/4448/4450/4452/4454/4456/4458/4460/4462/4464/4466/4468/4470/4472/4474/4476/4478/4480/4482/4484/4486/4488/4490/4492/4494/4496/4498/4500/4502/4504/4506/4508/4510/4512/4514/4516/4518/4520/4522/4524/4526/4528/4530/4532/4534/4536/4538/4540/4542/4544/4546/4548/4550/4552/4554/4556/4558/4560/4562/4564/4566/4568/4570/4572/4574/4576/4578/4580/4582/4584/4586/4588/4590/4592/4594/4596/4598/4600/4602/4604/4606/4608/4610/4612/4614/4616/4618/4620/4622/4624/4626/4628/4630/4632/4634/4636/4638/4640/4642/4644/4646/4648/4650/4652/4654/4656/4658/4660/4662/4664/4666/4668/4670/4672/4674/4676/4678/4680/4682/4684/4686/4688/4690/4692/4694/4696/4698/4700/4702/4704/4706/4708/4710/4712/4714/4716/4718/4720/4722/4724/4726/4728/4730/4732/4734/4736/4738/4740/4742/4744/4746/4748/4750/4752/4754/4756/4758/4760/4762/4764/4766/4768/4770/4772/4774/4776/4778/4780/4782/4784/4786/4788/4790/4792/4794/4796/4798/4800/4802/4804/4806/4808/4810/4812/4814/4816/4818/4820/4822/4824/4826/4828/4830/4832/4834/4836/4838/4840/4842/4844/4846/4848/4850/4852/4854/4856/4858/4860/4862/4864/4866/4868/4870/4872/4874/4876/4878/4880/4882/4884/4886/4888/4890/4892/4894/4896/4898/4900/4902/4904/4906/4908/4910/4912/4914/4916/4918/4920/4922/4924/4926/4928/4930/4932/4934/4936/4938/4940/4942/4944/4946/4948/4950/4952/4954/4956/4958/4960/4962/4964/4966/4968/4970/4972/4974/4976/4978/4980/4982/4984/4986/4988/4990/4992/4994/4996/4998/5000/5002/5004/5006/5008/5010/5012/5014/5016/5018/5020/5022/5024</div>
--	---	---



[illegible]





**APPENDIX B**  
**APPLICANT'S MANAGEMENT AND MITIGATION MEASURES**

Environmental Issue	Mitigation and consolidation
<b>Waste Management</b>	In order to ensure that the Development's waste management operations would have minimal impact on the surrounding environment the updated OEMP and associated procedures would act to mitigate potential impacts.
<b>Soil and Water</b>	<p>The following mitigation and management measures would be adopted for soil:</p> <ul style="list-style-type: none"> <li>in the event of discovery of PASS, procedures would be developed to mitigate potential impacts on the environment. These procedures would be documented in the CEMP;</li> <li>in the event of discovery of potential soil contamination, procedures would be developed to mitigate potential impacts on the environment. These procedures would be documented in the CEMP;</li> <li>the CEMP would include a range of appropriate erosion and sediment control measures that would be required for implementation, monitoring and maintenance during the construction of the Development;</li> <li>the updated OEMP would outline erosion and sediment control measures to be applied during operation of the Development.</li> </ul> <p>A number of design features and management measures would be used to mitigate the potential for runoff from the Development to impact upon surface water.</p> <ul style="list-style-type: none"> <li>installation of a surface water management system in the new hardstand area; and</li> <li>the existing OEMP and accompanying site procedures would be updated where required including update of the Surface Water Management Plan including a monitoring program.</li> </ul> <p>Mitigation measures proposed to reduce the impact of leachate include:</p> <ul style="list-style-type: none"> <li>segregation of leachate from surface water and groundwater; and</li> <li>continue to monitor leachate discharge to sewer in accordance with Trade Waste Agreement.</li> </ul>
<b>Air Quality, Greenhouse Gas and Odour</b>	<p>An Air Quality Management Plan would be developed as a subplan to the CEMP and would contain the following management measures:</p> <ul style="list-style-type: none"> <li>engines of on-site vehicles and plant would be switched off when not in use; and</li> <li>construction machinery and vehicles on-site would be maintained and serviced according to the manufacturer's specifications.</li> </ul> <p>During construction activities requiring exposed surfaces and stockpiling the following controls would be in place:</p> <ul style="list-style-type: none"> <li>minimise area of exposed surfaces;</li> <li>water suppression on exposed areas and stockpiles; and</li> <li>minimise amount of stockpiled material.</li> </ul> <p>During on-site hauling activities, the following controls would be in place:</p> <ul style="list-style-type: none"> <li>watering of unsealed haul roads;</li> <li>sealed haul roads to be cleaned regularly;</li> <li>restrict vehicle traffic to designated routes;</li> <li>imposing speed limits; and</li> <li>covering vehicle loads when transporting material off-site.</li> </ul> <p>The existing Odour and Dust Management Plans would be updated as part of the OEMP update. A number of control measures are proposed to ensure that the potential for any odour and dust impacts off-site are minimal. These controls include:</p> <ul style="list-style-type: none"> <li>continuing existing operation of the dust and odour suppression system;</li> <li>waste delivery trucks entering the terminal would be required to be fully enclosed or covered;</li> <li>the amount of putrescible waste on-site within the terminal at any time would be minimised as much as reasonably practicable;</li> </ul>

Environmental Issue	Mitigation and consolidation
	<ul style="list-style-type: none"> <li>● dust management procedures would be implemented within and outside the terminal building including regular sweeping and washing down, as required;</li> <li>● traffic management procedures to co-ordinate the delivery schedule and avoid a queue of the incoming or outgoing trucks for extended periods of time;</li> <li>● spill management procedures to include immediate cleaning up of any spill/leakage from incoming and outgoing trucks;</li> <li>● maintaining an odour complaint logbook and in the event of a complaint immediately investigate any unusual odour sources (including spill or leakage in the traffic areas) within the site boundary and take appropriate action as required; and</li> <li>● reviewing operational practices and management plans regularly and training of relevant staff regarding waste handling and transfer and odour and dust suppression.</li> </ul> <p>The mitigation measures that will be implemented on-site during construction of the Development to minimise energy usage and the number of vehicles required include the following:</p> <ul style="list-style-type: none"> <li>● the contractor will limit idling time of plant and equipment whilst on-site;</li> <li>● the contractor will make certain that the only lighting left on overnight around the Site office will be security or emergency/access lighting; and</li> <li>● earthmoving equipment and on-site vehicles will be fitted with exhaust controls in accordance with the <i>Protection of the Environment Operations (Clean Air) Regulation 2010</i>.</li> <li>● the following energy efficient features have been identified as feasible on-site measures to reduce the Development's most significant sources of emissions.</li> <li>● all trucks leaving the Site carrying waste will be filled to the maximum reasonably practicable, depending on the truck size, to reduce the number of traffic movements required;</li> <li>● hybrid material handling equipment to be used;</li> <li>● EURO 5 standard for trucks;</li> <li>● large trailers and therefore less transfer trips;</li> <li>● timer switches and light sensors: where appropriate, lights within the transfer building would be fitted with timer switches and external lighting would be fitted with a light sensor; and</li> <li>● energy efficient lighting: LED lights will be installed and directed on-site.</li> </ul>
Traffic	<p>Traffic management measures associated with the Development on the Site are proposed to be provided during construction and operation of the Development. These include:</p> <ul style="list-style-type: none"> <li>● provision of 21 car parking spaces and 12 truck and trailer parking spaces on-site including one accessible parking space;</li> <li>● moving the existing stop line at the weighbridge forward by 3 m;</li> <li>● separation of commercial and domestic waste streams through appropriate signage and direction by staff;</li> <li>● a Construction Traffic Management Plan will be developed as part of the CEMP for the Development. This would include a traffic management plan identifying vehicle movements to and from the Site, internal access, interactions with general public, parking and access requirements for personnel and safety signage and training of personnel (as appropriate) in traffic management in accordance with relevant requirements and guidelines of the RMS and Council in terms of road safety and network efficiency.</li> </ul>
Noise and Vibration	<p>The following measure have been or will be implemented at the site to mitigate noise:</p> <ul style="list-style-type: none"> <li>● most equipment is replaced after 4 years;</li> <li>● equipment regularly maintained and serviced;</li> <li>● hybrid material handling equipment; and</li> <li>● EURO 5 standard for trucks.</li> </ul>



Environmental Issue	Mitigation and consolidation
Visual Amenity	<p>The following measure have been or will be implemented at the site to mitigate visual impacts at the site:</p> <ul style="list-style-type: none"> <li>● maintaining and supplementing the existing screening on-site.</li> </ul>
Hazards and Risks	<p>The management standards and guidelines utilised for existing operations at Wetherill Park Resource Recovery Facility will continue to be applied on the Site and will be built upon and incorporated into the updated OEMP along with the mitigation measures identified.</p>
Stakeholder	<p>Stakeholder engagement activities would continue to be developed and facilitate the engagement process as part of construction and operation management measures. These may include:</p> <ul style="list-style-type: none"> <li>● telephone line to communicate issues;</li> <li>● complaints management process;</li> <li>● updates of the Applicant's website;</li> <li>● clear signage at construction-sites during construction; and</li> <li>● ongoing review and refinement of construction and operation impact mitigation measures</li> </ul>
Other Issues	<ul style="list-style-type: none"> <li>● should indigenous or non-indigenous cultural material be identified during any works, construction and/or operation will cease in the vicinity of the find and the appropriate representative at OEH will be contacted; and</li> <li>● should fauna and flora species and ecological communities be identified during any works, construction and/or operation will cease in the vicinity of the find and the appropriate representative at OEH will be contacted.</li> </ul>

# Modification of Development Consent

## Section 4.55(1A) of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning, under delegation executed on 11 October 2017, I approve the modification of the development consent referred to in Schedule 1, subject to the conditions outlined in Schedule 2.



Chris Ritchie  
Director  
Industry Assessments

Sydney **4 APRIL**

2019

File: EF18/45114

### SCHEDULE 1

Application No:	SSD 7267
Applicant:	SUEZ RECYCLING & RECOVERY PTY LTD
Consent Authority:	Minister for Planning
Development:	Alterations and additions to and an increase in the processing capacity of an existing waste transfer station to 230,000 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (putrescible) and 90,000 tpa of general solid waste (non-putrescible)
Date of Original Consent:	11 September 2017
Modification:	SSD 7267 MOD 2 – staged construction and increase in the processing capacity of general solid waste (putrescible) and amendment to site layout.

### SCHEDULE 2

This consent is modified as follows:

#### IN DEFINITIONS:

- Delete the definition for expanded operations and Secretary and insert the following definitions in alphabetical order:

Modification Assessments	The document assessing the environmental impact of a proposed modification of this consent submitted and other information submitted with the following modification applications made under the EP&A Act:
Planning Secretary	Secretary of the Department of Planning and Environment, or nominee
SSD 7267 MOD 1	Supporting documentation titled 'Wetherill Park Transfer Station Capacity Increase – Modification to Condition B6' prepared by SUEZ Recycling & Recovery Pty Ltd and dated 5 December 2017

SSD 7267 MOD 2	Supporting documentation titled 'SSD 15-7267 Wetherill Park Transfer Station Capacity Increase – Proposed Modification' prepared by SUEZ Recycling & Recovery Pty Ltd and dated 31 October 2018 and Response to Submissions report titled 'SSD 7267 Mod 2 – Response to Submissions' prepared by SUEZ Recycling & Recovery Pty Ltd and dated 7 December 2018 and updated drawings titled 'Revised Site Plan and Staging Plan Sheet No. CC01 to CC06' dated 28.08.18 prepared by Envision Group
Stage 1 construction	The carrying out of works within the area shown as Stage 1 on the plans at Appendix A of this consent, for the purpose of the development, including bulk earthworks and other infrastructure
Stage 1 operations	The point at which the site can receive more than 10,000 tonnes per year and up to 70,000 tonnes per year of general solid waste (putrescible)
Stage 2 construction	The carrying out of works within the area shown as Stage 2 on the plans at Appendix A of this consent, for the purpose of the development, including bulk earthworks and other infrastructure
Stage 2 operations	The point at which the site can receive more than 70,000 tonnes per year and up to 140,000 tonnes per year of general solid waste (putrescible)

#### **IN SCHEDULE 2; PART A: ADMINISTRATIVE CONDITIONS**

2. Delete Condition A2 and replace with the following:
  - A2. The Applicant, in acting on this consent, must carry out the Development in accordance with the:
    - (a) State significant development application SSD 7267;
    - (b) EIS and RTS;
    - (c) conditions in Schedule 2;
    - (d) SSD 7267 MOD 1;
    - (e) SSD 7267 MOD 2;
    - (f) development layout plans and drawings listed in Appendix A; and
    - (g) the Management and Mitigation Measures as identified in Appendix B.
3. Delete Condition A8 and replace with the following:
  - A8. The Applicant must not store on site more than 575 m<sup>3</sup> or 402.5 tonnes of general solid waste (putrescible) at any given time without prior approval from the Planning Secretary in consultation with the EPA.
4. In Condition A20 insert the following words 'Stage 1 construction and Stage 2' after the words 'Prior to the commencement of'.
5. In Condition A21 delete the word 'expanded' and replace with the words 'Stage 1'.
6. Delete the heading 'Requirements Prior to Commencement of Expanded Operations' and delete Condition A27 and replace with the following:

#### **REQUIREMENTS PRIOR TO COMMENCEMENT OF STAGE 1 OPERATIONS**

- A27. Prior to the commencement of Stage 1 operations, the Applicant must ensure a Final Occupation Certificate, or a Compliance Certificate has been issued for the following:
  - (a) additional pavement and hardstand;
  - (b) stormwater system;
  - (c) fire safety system upgrade; and
  - (d) temporary perimeter access road.
7. Insert new heading and new Condition A27A, immediately after Condition A27 as follows:

#### **REQUIREMENTS PRIOR TO COMMENCEMENT OF STAGE 2 OPERATIONS**

- A27. Prior to the commencement of Stage 2 operations, the Applicant must ensure a Final Occupation Certificate, or a Compliance Certificate has been issued for the following:
- (a) permanent access ring road;
  - (b) the construction of an additional exit from the main transfer building to improve internal traffic flow; and
  - (c) roller shutter within the existing waste transfer building.

8. In Condition A28 delete the word 'expanded' and replace with the words 'Stage 1'.

## IN PART B: ENVIRONMENTAL PERFORMANCE AND MANAGEMENT

9. Insert a new Condition B3(b)v immediately after B3(b)iv as follows:

B3(b)v the asbestos storage area is maintained to not impact vehicle manoeuvrability on the temporary perimeter access road and the permanent access ring road

10. In Condition B8 delete the word 'expanded' and replace with the words 'Stage 1'.

11. Delete Condition B9(a) and replace with the following:

B9(a) conduct a weekly wash-down of any tipping area contaminated with general solid waste (putrescible);

12. In Condition B12 delete the word 'expanded' and replace with the words 'Stage 2'.

13. In Condition B14 delete the word 'expanded' and replace with the words 'Stage 1 operations and Stage 2'.

14. In Condition B16 delete the word 'expanded' and replace with the words 'Stage 2'.

15. In Condition B24 delete the word 'expanded' and replace with the words 'Stage 1'.

16. Delete Condition B25 and replace with the following:

B25. Prior to the commencement of Stage 1 operations and to the satisfaction of FRNSW, the Applicant must ensure:

- (a) the sprinkler system is installed and maintained throughout the site in accordance with Specification E1.5 of the *National Construction Code* (Australian Building Codes Board, 2016) and in accordance with the latest version of AS 2118.1-1999;
- (b) the fire hydrant system is designed, installed, maintained and commissioned in accordance with Specification E1.3 of the *National Construction Code* (Australian Building Codes Board, 2016) with the latest version of AS 2419.1-2005; and
- (c) the temporary perimeter access road and the permanent ring road is constructed in accordance with *Policy No 4: Guidelines for Emergency Vehicle Access* (NSW Fire Brigade, 2010).

17. In Condition B28 delete the word 'expanded' and replace with the words 'Stage 1' and delete number '12' and replace with the number '8'.

18. In Condition B29(h) delete the number '3' and replace with the number '7' and after the semi-colon, delete the word 'and'.

19. In Condition B29(i) delete the full-stop and replace with a semicolon and insert the word 'and'.

20. Insert new Condition B29(j) immediately after Condition B29(i) as follows:

B29(j) the temporary perimeter access road is sealed.

21. In Condition B30 delete the word 'expanded' and replace with the words 'Stage 1 operations and Stage 2'.

22. In Condition B44, insert the following words 'Stage 1' after the words 'Prior to the commencement of'.

## IN PART C: ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING

23. In Condition C1(a) delete the word 'construction' and replace with the words 'Stage 1 construction and Stage 2 construction'.

24. Insert new Condition C2(c) immediately after Condition C2(b) as follows:

C2(c) Unexpected finds protocol (see Condition B44).

25. In Condition C4(a) delete the words 'the expanded operation' and replace with the words 'Stage 1 operations and Stage 2 operations'.

**IN APPENDIX A; DEVELOPMENT LAYOUT PLANS**

26. Replace all drawings with the following drawings:

## APPENDIX A:



AMENDMENTS	
A. PRELIMINARY ISSUE	02.08.18
B. PRELIMINARY ISSUE	04.08.18
C. ISSUED FOR SUBMISSION	22.08.18
D. ISSUED FOR SUBMISSION	28.08.18

## STAGING LEGEND/PLAN

AREA DENOTES EXTENT OF STAGE 1 WORKS

FIRE SERVICES UPGRADES

CONSTRUCTION OF "STAGE 1" PERMANENT PAVING & LINE MARKING OF TRUCK PARKING 1-8, (AS INDICATED ON THE PLAN)

TEMPORARY PERIMETER ACCESS ROAD (BUILT TO EXTENT OF HATCHING AS INDICATED ON PLANS). ROAD TO BE CONSTRUCTED IN ACCORDANCE WITH NSW FB POLICY NO.4.

PROPOSED RETRACTABLE, FIRE COMPLIANT LITTER PREVENTION CURTAIN TO FUTURE DETAILS

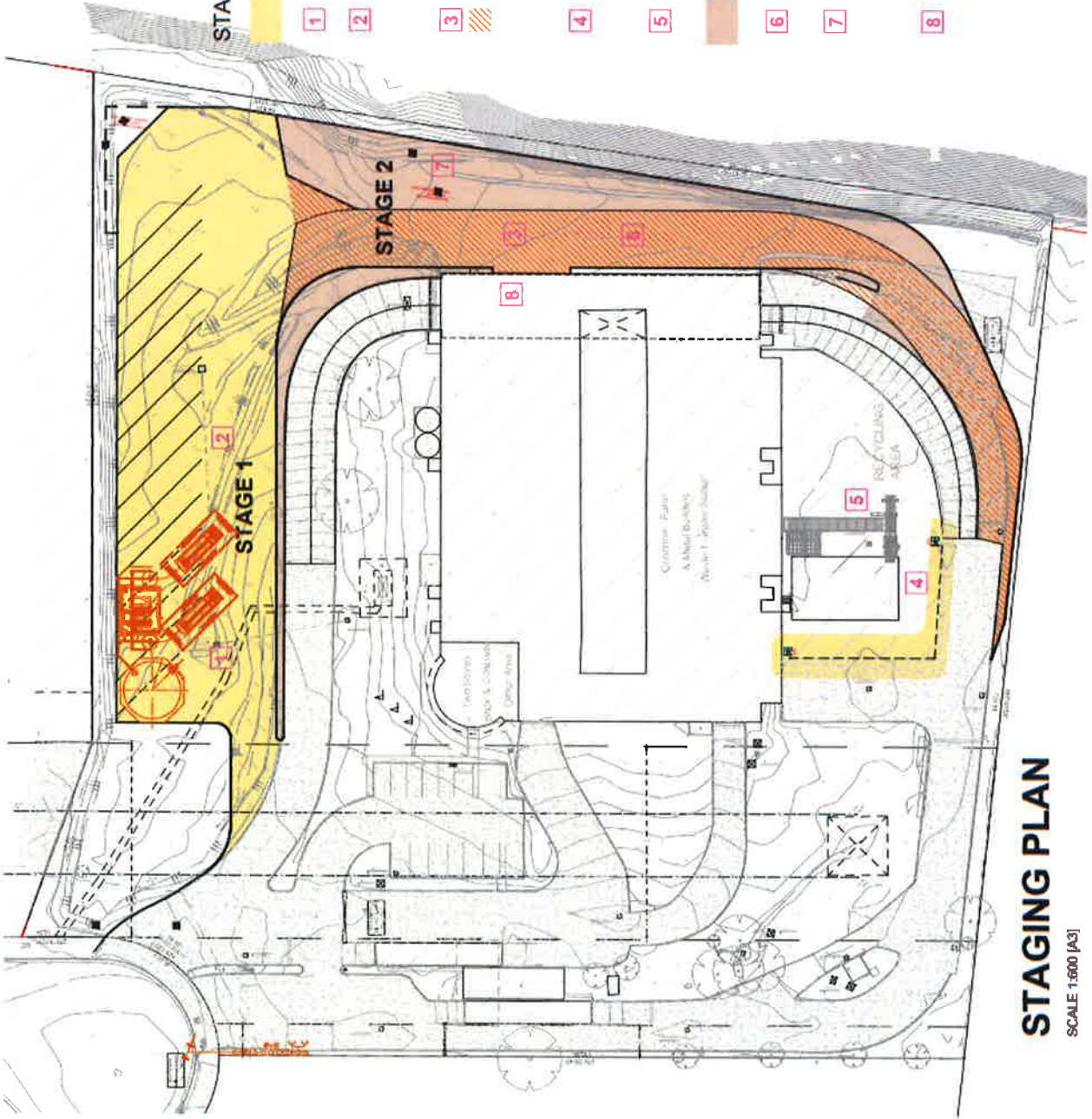
NEW PLANT EQUIPMENT

AREA DENOTES EXTENT OF STAGE 2 WORKS

REMOVAL OF TEMPORARY PERIMETER ACCESS ROAD

CONSTRUCTION OF "STAGE 2" PERMANENT PAVING, AND LINE MARKING OF TRUCK PARKING NO.9 (AS INDICATED ON THE PLAN)

REMOVAL OF CONCRETE PANEL AND NEW DOOR TO EXISTING WASTE TREATMENT FACILITY



## STAGING PLAN

SCALE 1:500 (A3)

SHEET NO.

CC 01



PROJECT NO.

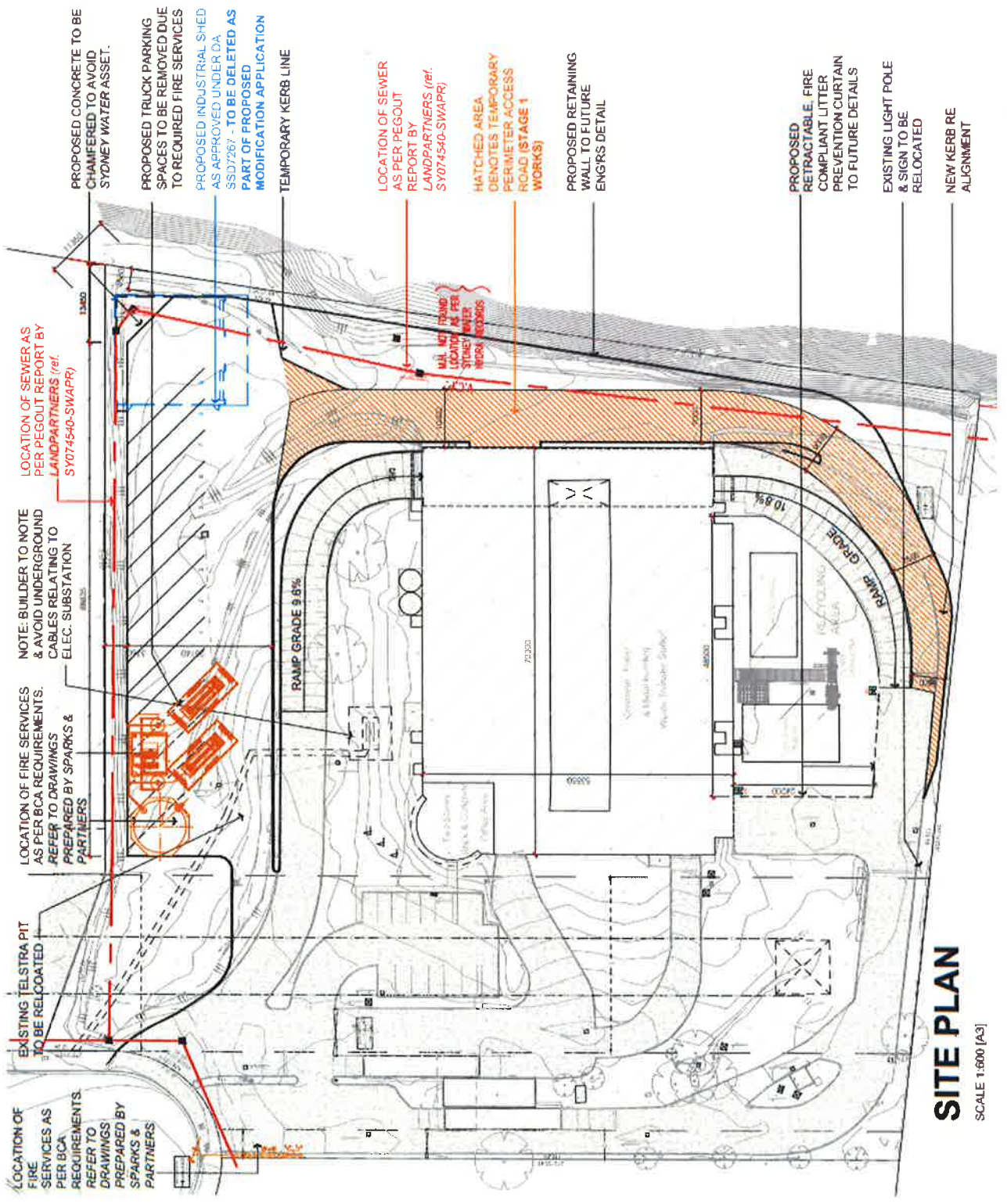
#64







AMENDMENTS	
A	PRELIMINARY ISSUE
B	PRELIMINARY ISSUE
C	ISSUED FOR SUBMISSION
D	REISSUED FOR SUBMISSION



# SITE PLAN

SCALE 1:600 [A3]

SHEET NO. CC 02  
PROJECT NO. #64

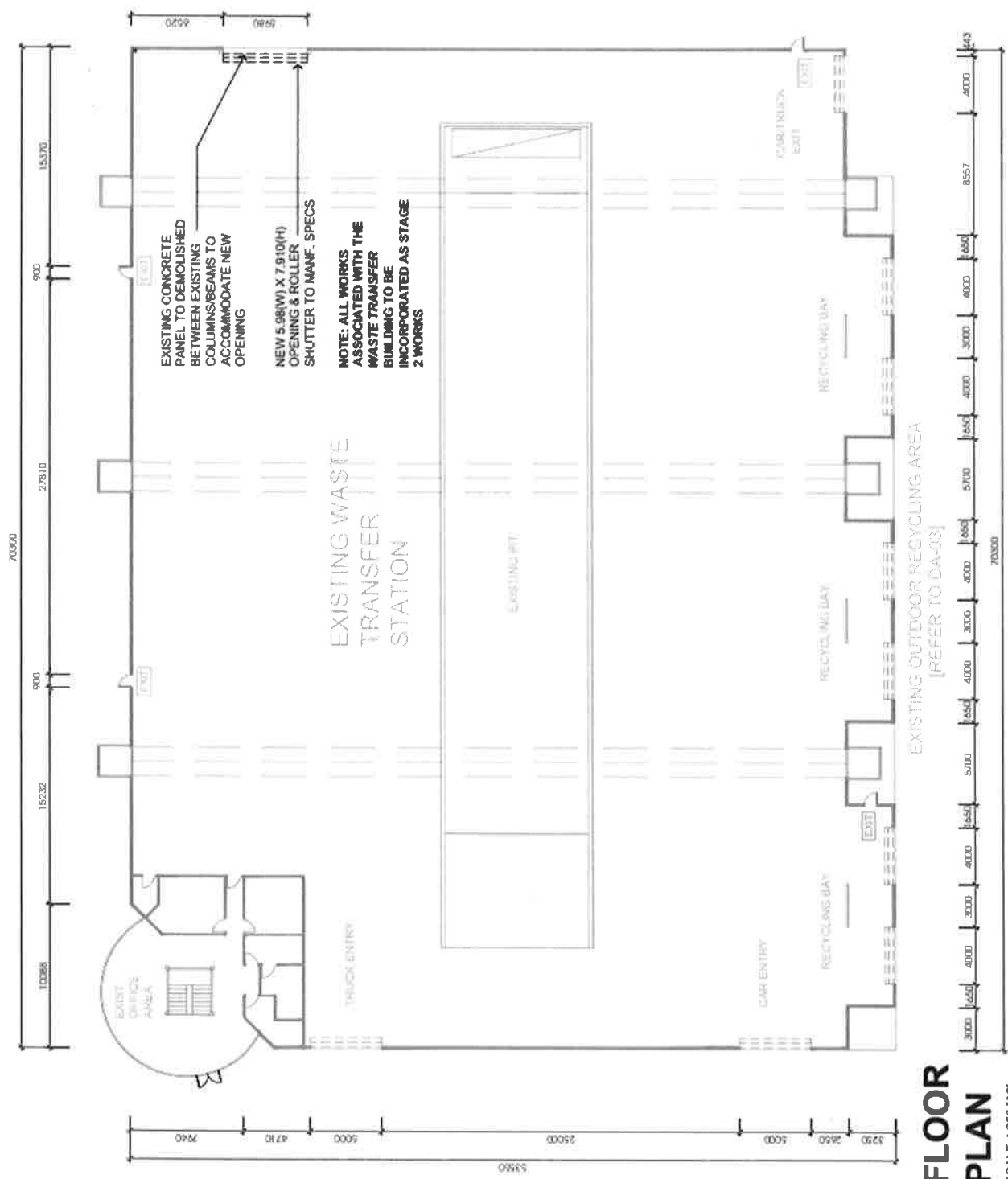








AMENDMENTS		
A	PRELIMINARY ISSUE	12 DEC 18
B	PRELIMINARY ISSUE	04 DEC 18
C	ISSUED FOR SUBMISSION	22 DEC 18
D	REISSUED FOR SUBMISSION	28 DEC 18




 SHEET NO. **CC 04**

#64



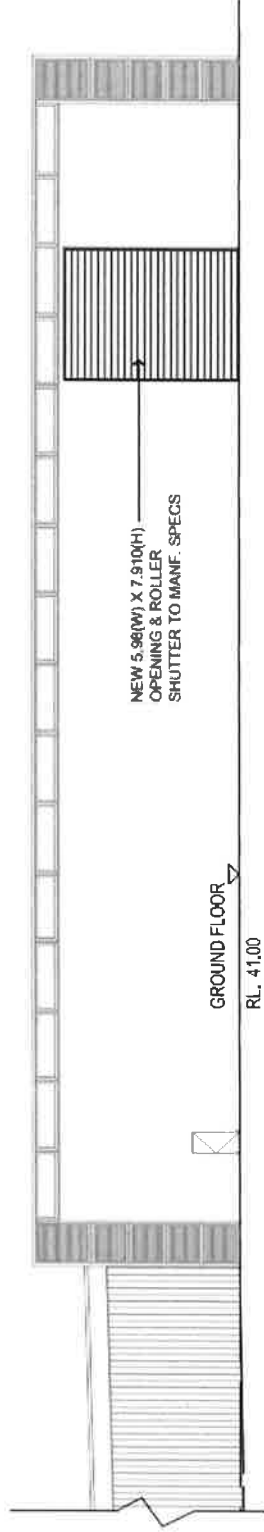


Page 1 of 10



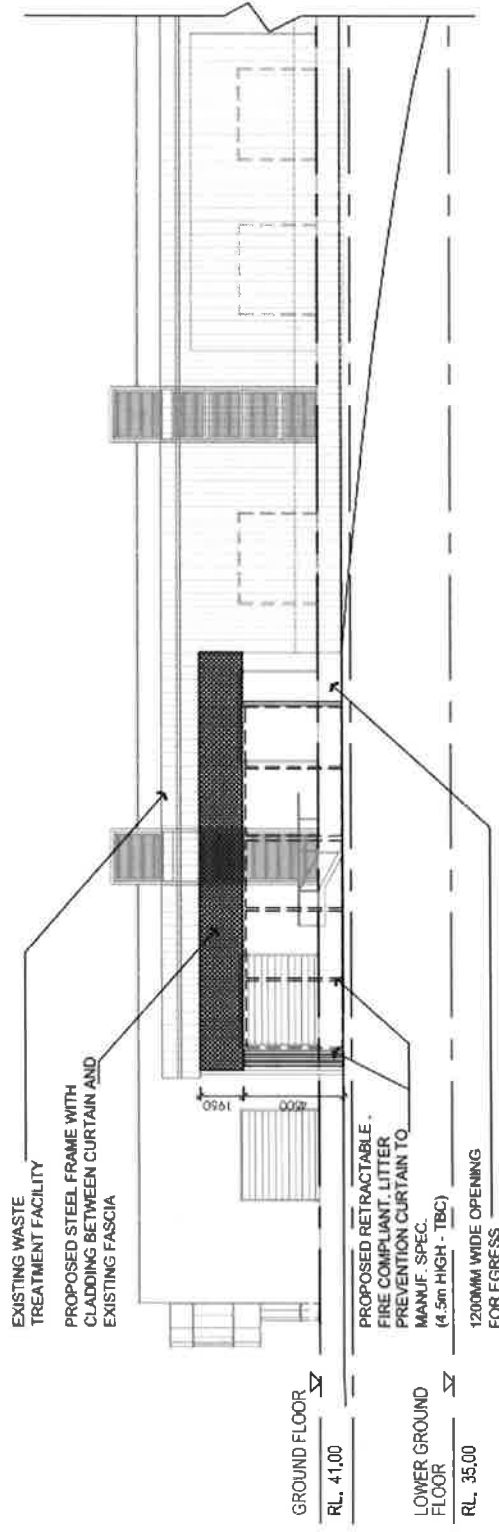
AMENDMENTS

A	PRELIMINARY ISSUE	02.06.18
B	PRELIMINARY ISSUE	04.06.18
C	ISSUED FOR SUBMISSION	22.06.18
D	RESUBMITTED FOR SUBMISSION	28.06.18



**SOUTH ELEVATION  
WASTE TRANSFER BUILDING**

SCALE 1:200 (A3)



**WEST ELEVATION  
RECYCLING AREA**

SCALE 1:200 (A3)

SHEET NO.

CC 05



PROJECT NO.

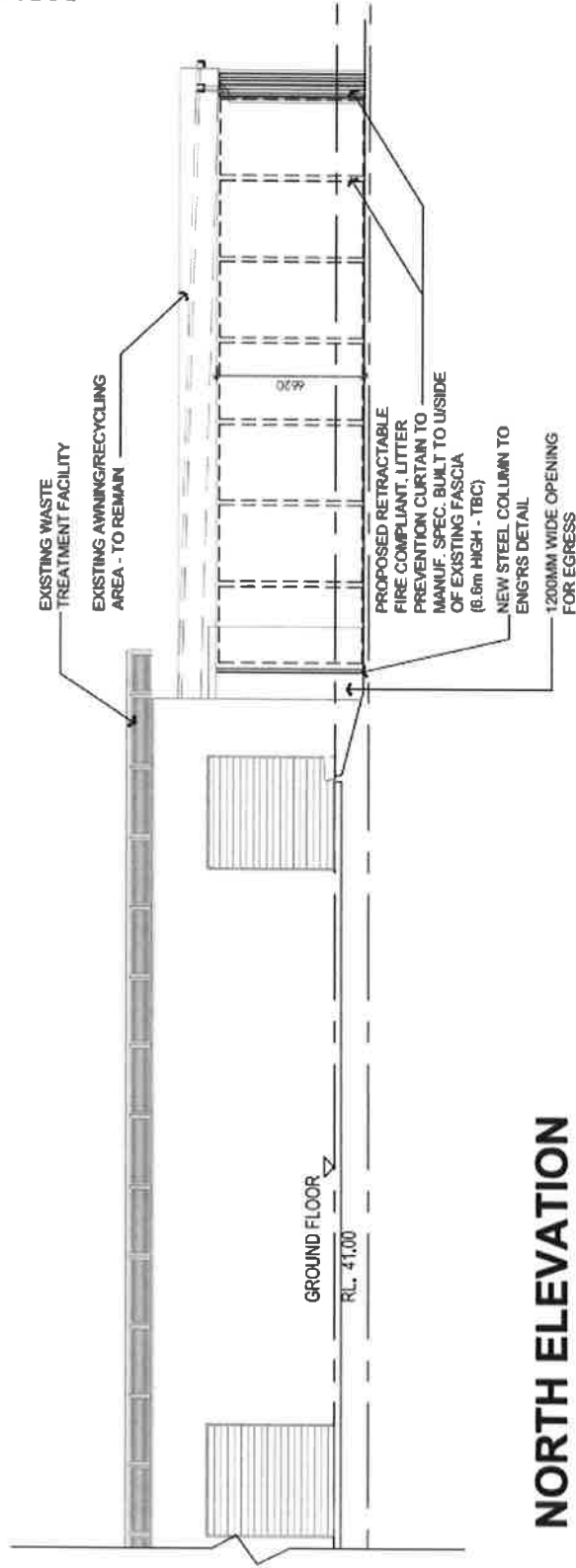
#64





#### AMENDMENTS

A	PRELIMINARY ISSUE	02/08/18
B	PRELIMINARY ISSUE	04/08/18
C	ISSUED FOR SUBMISSION	22/08/18
D	REVISED FOR SUBMISSION	24/08/18



## NORTH ELEVATION RECYCLING AREA

SCALE 1:200 (A3)

SHEET NO.



CC 06

PROJECT NO.

# #64

# Development Consent

## Section 89E of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning under delegation executed on 14 September 2011, the Planning Assessment Commission (the Commission) of New South Wales, approves the Development Application referred to in Schedule 1, subject to the conditions in Schedule 2.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the Development.



**Ross Carter**  
Member of the Commission



**Dianne Leeson**  
Member of the Commission

Sydney

11 September 2017

### SCHEDULE 1

Application No:	SSD 7267
Applicant:	SUEZ RECYCLING & RECOVERY PTY LTD
Consent Authority:	Minister for Planning
Development:	Alteration and additions to and an increase in the processing capacity of an existing waste transfer station to 230,000 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (putrescible) and 90,000 tpa of general solid waste (non-putrescible)

## TABLE OF CONTENTS

<b>DEFINITIONS.....</b>	<b>iii</b>
<b>PART A: ADMINISTRATIVE CONDITIONS .....</b>	<b>1</b>
OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT .....	1
TERMS OF CONSENT .....	1
LIMITS OF CONSENT .....	1
STAGED SUBMISSION OF PLANS OR PROGRAMS .....	1
EVIDENCE OF CONSULTATION.....	2
STATUTORY REQUIREMENTS .....	2
DEMOLITION.....	2
STRUCTURAL ADEQUACY AND CERTIFICATION .....	2
UTILITIES AND SERVICES.....	2
PROTECTION OF PUBLIC INFRASTRUCTURE.....	2
OPERATION OF PLANT AND EQUIPMENT .....	3
COMPLIANCE .....	3
DEVELOPMENT CONTRIBUTIONS .....	3
REQUIREMENTS PRIOR TO COMMENCEMENT OF EXPANDED OPERATIONS.....	3
SURRENDER OF CONSENTS .....	3
<b>PART B: ENVIRONMENTAL PERFORMANCE AND MANAGEMENT .....</b>	<b>5</b>
WASTE MANAGEMENT .....	5
AIR QUALITY.....	5
SOILS, WATER QUALITY AND HYDROLOGY .....	7
TRAFFIC AND ACCESS .....	8
NOISE.....	9
VIBRATION.....	9
HAZARDS AND RISK.....	10
LITTER AND PEST CONTROL .....	10
CONTAMINATION.....	10
TRANSGRID TRANSMISSION LINE EASEMENT .....	10
VISUAL AMENITY .....	11
<b>PART C: ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING.....</b>	<b>12</b>
CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN .....	12
OPERATIONAL ENVIRONMENTAL MANAGEMENT PLAN.....	12
MANAGEMENT PLAN REQUIREMENTS .....	12
ANNUAL REVIEW .....	13
REPORTING.....	13
AUDITING.....	14
ACCESS TO INFORMATION .....	14
<b>APPENDIX A DEVELOPMENT LAYOUT PLANS.....</b>	<b>15</b>
<b>APPENDIX B APPLICANT’S MANAGEMENT AND MITIGATION MEASURES .....</b>	<b>21</b>

## DEFINITIONS

24 hours	Relating to one day, or happening only on one day
Applicant	SUEZ Recycling & Recovery Pty Ltd, or any other person(s) carrying out any development to which this consent applies
AS	Australian Standard
BCA	Building Code of Australia
CEMP	Construction Environmental Management Plan
Certifying Authority	A person who is authorised by or under section 109D of the EP&A Act to issue Part 4A certificates
Construction	The demolition of buildings or works, the carrying out of works, including bulk earthworks, and erection of buildings and other infrastructure permitted by this consent
Council	Fairfield City Council
Day	The period from 7 am to 6 pm on Monday to Saturday, and 8 am to 6 pm on Sundays and Public Holidays
Demolition	The removal of buildings, sheds and other structures on the site
Department	Department of Planning and Environment
Development	The development as described in the EIS and RTS, and as generally depicted in Appendix A
EIS	Environmental Impact Statement titled <i>Increasing Capacity for Putrescible Waste at Wetherill Park Resource Recovery Facility</i> prepared by Golder Associates dated March 2016
ENM	Excavated Natural Material
EPA	NSW Environment Protection Authority
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning and Assessment Regulation 2000</i>
EPL	Environment Protection Licence issued by the EPA under the POEO Act
Evening	The period from 6 pm to 10 pm
Expanded Operations	The point at which site throughput of general solid waste (putrescible) exceeds 10,000 tpa
FIA	Flood Impact Assessment titled <i>Supplementary Flood Impact Assessment to Update the Wetherill Park EIS</i> prepared by Golder Associates Pty Ltd dated 11 October 2016
FRNSW	Fire and Rescue NSW
General solid waste (putrescible)	As defined in Part 3 Schedule 1 of the POEO Act
General solid waste (non-putrescible)	As defined in Part 3 Schedule 1 of the POEO Act
Heavy vehicle	Any vehicle with a gross vehicle mass of five tonnes or more
Incident	A set of circumstances causing or threatening material harm to the environment, and/or an exceedance of the limits or performance criteria in this consent
Land	In general, the definition of land is consistent with the definition in the EP&A Act
Management & Mitigation Measures	The Applicant's management and mitigation measures contained in the EIS/RTS and included in Appendix B
Material harm to the environment	Harm to the environment is material if it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial
Minister	Minister for Planning (or delegate)
Mitigation	Activities associated with reducing the impacts of the development prior to or during those impacts occurring
Monitoring	Any monitoring required under this consent must be undertaken in accordance with section 122C of the EP&A Act
Night	The period from 10 pm to 7 am on Monday to Saturday, and 10 pm to 8 am on Sundays and Public Holidays
OEMP	Operational Environmental Management Plan
Operation	The receipt, sorting, separating, processing and removal of waste
PCA	Principal Certifying Authority authorised under section 109D of the EP&A Act
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
POEO (Waste) Regulation	<i>Protection of the Environment (Waste) Regulation 2014</i>
RTS	Response to Submissions titled <i>Increase Capacity for Putrescible Waste at Wetherill Park Resource Recovery Facility</i> prepared by Golder Associates dated 11 October 2016 and <i>Further Response to Submissions</i> prepared by the SITA Australia Pty Ltd dated 8 December 2016
Secretary	Secretary of the Department (or nominee)

Sensitive Receivers

Site

VENM

Waste

Weighbridge

A location where people are likely to work or reside, this may include a dwelling, school, hospital, office or public recreational area

The land listed in Schedule 1

Virgin Excavated Natural Material as defined in the POEO Act

As defined in the POEO Act

A weighbridge that is verified in accordance with the *National Measures Act 1960*



**SCHEDULE 2**  
**PART A: ADMINISTRATIVE CONDITIONS**

**OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT**

- A1. In addition to meeting the specific performance criteria established under this consent, the Applicant must implement all measures to prevent and/or minimise any harm to the environment that may result from the Development.

**TERMS OF CONSENT**

- A2. The Applicant, in acting on this consent, must carry out the Development in accordance with the:
- (a) State significant development application SSD 7267;
  - (b) EIS and RTS;
  - (c) conditions in Schedule 2;
  - (d) development layout plans and drawings listed in Appendix A; and
  - (e) the Management and Mitigation Measures as identified in Appendix B.
- A3. If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail to the extent of any inconsistency.
- A4. The Applicant must comply with all written requirement(s) of the Secretary arising from the Department's assessment of:
- (a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent;
  - (b) any reviews, reports or audits undertaken or commissioned by the Department regarding compliance with the consent; and
  - (c) the implementation of any actions or measures contained in these documents.

**LIMITS OF CONSENT**

- 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 the date on which the consent would otherwise lapse under section 95 of the EP&A Act.
- A6. The Applicant must not cause, permit or allow any materials or waste generated outside the site to be received at the site for storage, use, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by an EPL.
- A7. The Applicant must not receive or process on site more than:
- (a) 140,000 tpa of general solid waste (putrescible);
  - (b) 90,000 tpa of general solid waste (non-putrescible); and
  - (c) 10 m<sup>3</sup> of asbestos waste per week.
- A8. The Applicant must not receive or process on site more than 575 m<sup>3</sup> or 402.5 tonnes of general solid waste (putrescible) in any 24-hour period.
- A9. The Applicant must not store general solid waste (putrescible) at the site for more than 24 hours from the time of receipt.

**STAGED SUBMISSION OF PLANS OR PROGRAMS**

- A10. With the approval of the Secretary, the Applicant may:
- (a) submit any strategy, plan or program required by this consent on a progressive basis; and/or
  - (b) combine any strategy, plan or program required by this consent.
- A11. If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage 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. A clear relationship between the strategy, plan or program that is to be combined must be demonstrated.

## **REQUEST FOR INFORMATION**

- A12. The Applicant must retain all weighbridge records as required by the POEO (Waste) Regulation and for the life of the development. The weighbridge records must be made immediately available on request by the Secretary and/or the EPA.
- A13. The Applicant must retain waste classification records for all wastes received on the site and waste disposed from the site for the life of the development. The waste classification records must be made immediately available on request by the EPA and/or the Secretary.

## **EVIDENCE OF CONSULTATION**

- A14. Where consultation with any public authority is required by the conditions of this consent, the Applicant must:
- (a) consult with the relevant public authority prior to submitting the required documentation to the Secretary or the PCA for approval;
  - (b) submit evidence of such consultation as part of the relevant documentation required by the conditions of this consent;
  - (c) describe how matters raised by the public authority have been addressed and identify matters that have not been resolved; and
  - (d) include the details of any outstanding issues raised by the relevant public authority and an explanation of disagreement between any public authority and the Applicant.

## **STATUTORY REQUIREMENTS**

- A15. The Applicant must ensure that all licences, permits and approval/consents are obtained as required by law and maintained as required throughout the life of the Development. No condition of this consent removes the obligation for the Applicant to obtain, renew or comply with such licences, permits or approval/consents.

## **DEMOLITION**

- A16. The Applicant must ensure that all demolition associated with the Development is carried out in accordance with Australian Standard AS 2601:2001: The Demolition of Structures, or its latest version and the requirements of the Work Health and Safety Regulation, 2011.

## **STRUCTURAL ADEQUACY AND CERTIFICATION**

- A17. The Applicant must ensure all new buildings and structures, and any alterations or additions to existing buildings and structures are constructed in accordance with the relevant requirements of the BCA.
- A18. Prior to the issue of the Final Occupation Certificate, adjustments to any public utilities necessitated by the development are to be completed in accordance with the requirements of the relevant Authority. Any utility costs are to be at no cost to Council.

## **UTILITIES AND SERVICES**

- A19. Prior to the construction of any utility works associated with the Development, the Applicant must obtain relevant approvals from service providers.
- A20. Prior to the commencement of construction, Approved Plans must be submitted to the Sydney Water "Tap In" service to determine if the development will have any impacts on Sydney Water assets.
- A21. Prior to the commencement of expanded operations, the Applicant must obtain a Compliance Certificate for water and sewerage infrastructure servicing of the site under section 73 of the *Sydney Water Act 1994*.

## **PROTECTION OF PUBLIC INFRASTRUCTURE**

- A22. Prior to the commencement of construction, the Applicant must:
- (a) consult with the relevant owner and/or provider of services that are likely to be affected by the Development to make suitable arrangements for access to, diversion, protection, and/or 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); and
  - (c) submit a copy of this report to the Secretary and Council.

- A23. 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 the Development; and
  - (b) relocate, or pay the full costs associated with relocating any infrastructure that needs to be relocated as a result of the Development.

#### **OPERATION OF PLANT AND EQUIPMENT**

- A24. The Applicant must ensure that all plant and equipment used for the Development is:
- (a) maintained in a proper and efficient condition; and
  - (b) operated in a proper and efficient manner.

#### **COMPLIANCE**

- A25. The Applicant must ensure that employees, contractors and sub-contractors are aware of, and comply with, the conditions of this consent relevant to their respective activities.

#### **DEVELOPMENT CONTRIBUTIONS**

- A26. Prior to the issue of a Construction Certificate for any part of the Development, the Applicant must pay \$32,795.06 to Council in accordance with the Fairfield City Council Indirect (Section 94A) Development Contributions Plan 2011.

***Note:** The contribution and the amount payable may be adjusted at the date of payment. Any unpaid contributions will be adjusted on a quarterly basis to account for movements in the Australian Bureau of Statistics, producer Price index – Building Construction (NSW South Wales).*

#### **REQUIREMENTS PRIOR TO COMMENCEMENT OF EXPANDED OPERATIONS**

- A27. Prior to the commencement of expanded operations, the Applicant must ensure a Final Occupation Certificate or a Compliance Certificate has been issued for the following:
- (a) additional pavement and hardstand areas;
  - (b) stormwater system;
  - (c) the construction of an additional exit from the main transfer building to improve internal traffic flow
  - (d) roller shutter within existing waste transfer building; and
  - (e) workshop.

#### **SURRENDER OF CONSENTS**

- A28. In order for the development of land to proceed in a coordinated and orderly manner and to avoid potential conflicts with this consent, the Applicant must and in the manner prescribed by clause 97 of the EP&A Regulation, surrender the development consents described in **Table 1** prior to the commencement of expanded operations.

**Table 1: Consents to be Surrendered**

<b>Determination Date</b>	<b>DA Number</b>	<b>Details</b>
22 November 1989	483A/89	Construction and operation of a non-putrescible waste transfer station.
23 March 2004	2192/2003	Establishment of a timber stockpile for recycling of timber and timber by-products and the construction of a partially enclosed awning.
28 October 2005	816/2005	Extension of awning for the purposes of the recycling of cardboard and paper products as part of the operation of the non-putrescible waste transfer station.
10 November 2005	758/2005	Extension of existing awning for the purposes of recycling cardboard and paper products as part of the operation of the non-putrescible waste transfer station.
27 September 2007	1557/06	Use of existing recycling facility and waste transfer facility for acceptance, temporary storage and transfer of secured asbestos material
23 December 2009	426.1/2009	Acceptance of putrescible waste and other wastes at an existing waste recycling and transfer facility.
2 December 2010	1028.1/2010	Retailing of compost material

## PART B: ENVIRONMENTAL PERFORMANCE AND MANAGEMENT

### WASTE MANAGEMENT

#### Receipt, Storage & Handling of Waste

- B1. The Applicant shall only receive waste on site that is authorised for receipt by an EPL.
- B2. The Applicant shall ensure any waste generated on the site during construction is classified in accordance with the EPA's *Waste Classification Guidelines, 2014* or its latest version, and disposed of to a facility that may lawfully accept the waste.
- B3. The Applicant shall:
- (a) implement auditable procedures to:
    - i. ensure the site does not accept wastes that are prohibited;
    - ii. screen incoming waste loads; and
  - (b) ensure that:
    - i. all waste types that are controlled under a tracking system have the appropriate documentation prior to acceptance at the site;
    - ii. all waste received at the site must be recorded in accordance with clause 27 of the POEO (Waste) Regulation;
    - iii. details of the quantity, type and source of wastes received on the site must be provided to the EPA and the Secretary when requested;
    - iv. staff receive adequate training in order to be able to recognise and handle any hazardous or other prohibited waste;

#### Wastewater

- B4. The Applicant shall ensure all wastewater is discharged to sewer in accordance with a Trade Waste Agreement with Sydney Water.
- B5. The Applicant must ensure the first flush detention tank is bunded 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 listed from a) to c) above, the most stringent requirement must prevail to the extent of the inconsistency.

### AIR QUALITY

#### Meteorological Station

- B6. Prior to the commencement of any works on-site, the Applicant must install a suitable meteorological station on the site that complies with the requirements in the EPA's *Approved Methods for Sampling of Air Pollutants in New South Wales*.

#### Odour Management

- B7. The Applicant must ensure the Development does not cause or permit the emission of any offensive odour (as defined in the POEO Act).
- B8. Prior to the commencement of expanded operations and to the satisfaction of the EPA, the Applicant must:
- (a) install deodorising sprays over the vehicle entrance and exits; and
  - (b) apply a sealant to the concrete working floor in the receival hall to prevent the absorption of leachate into the tipping floor.
- B9. During operations, the Applicant must:
- (a) conduct a weekly wash-down of any tipping area and surge pit contaminated with putrescible waste;
  - (b) conduct annual wash down of interior walls and surfaces;
  - (c) ensure that all trucks and trailers parked at the site are cleaned fortnightly; and
  - (d) ensure that deodorising sprays are operational at all times.

## Dust Management

- B10. The Applicant must implement all measures to minimise dust generated during construction and operation of the Development.
- B11. During construction, the Applicant must ensure that:
- (a) exposed surfaces and stockpiles are suppressed by regular watering;
  - (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; and
  - (d) public roads used by these trucks are kept clean.
- B12. Prior to the commencement of expanded operations, the Applicant must:
- (a) install dust suppression sprays over the vehicle entry and exit; and
  - (b) install interior liner panels to facilitate wash down
- B13. During operations, the Applicant must:
- (a) conduct weekly cleaning of surge pit and tipping area where interior walls have been contaminated with putrescible waste;
  - (b) conduct a six-monthly brush down of interior walls; and
  - (c) ensure that dust suppression sprays are operational when waste is being tipped and processed.

## Odour Management Plan

- B14. Prior to the commencement of expanded operations, the Applicant must prepare an Odour Management Plan (OMP) to the satisfaction of the EPA and the Secretary. The OMP must form part of the OEMP required by Condition C4 and be prepared in accordance with Condition C6. The OMP must:
- (a) be prepared by a suitably qualified and experienced person(s) in consultation with the EPA;
  - (b) describe the measures that would be implemented on-site to ensure:
    - i. odour emissions are minimised, including details of the air pollution control devices and all other operational odour mitigation measures;
    - ii. compliance with the relevant conditions of this consent;
    - iii. compliance if adverse odour emissions occur or appear likely to occur;
  - (c) include an ongoing monitoring program;
  - (d) include well defined triggers for the deployment of odour mitigation and contingency measures; and
  - (e) include a protocol which includes contingency measures for system failures.
- B15. The Applicant shall ensure the OMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.

## Odour Audit

- B16. The Applicant must carry out an Odour Audit of the Development no later than six months after the commencement of expanded operations. Division 2B of Part 6 of the EP&A Act applies to this audit which is for the purpose of validating the odour data used in the EIS. The audit must:
- (a) be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary;
  - (b) audit the Development in full operation;
  - (c) include a summary of odour complaints and any actions that were carried out to address the complaints;
  - (d) validate the Development against odour impact predictions in the EIS and the RTS;
  - (e) review the design and management practices in the Development against industry best practice for odour management;
  - (f) identify suitable odour mitigation options and controls, including but necessarily limited to:
    - i. mechanical ventilation;
    - ii. operation of the building under negative pressure to minimise fugitive emissions; and
    - iii. odour capture and control options.
  - (g) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.

**Note:** The Odour Audit may be prepared so that it addresses the requirements of this consent and the EPL for the Development.

- B17. Within two months of commissioning of the Odour Audit required by Condition B16, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the Odour Audit report to the satisfaction of the EPA and Secretary, together with the Applicant's response to any recommendations contained in the Odour Audit report.

- B18. The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of the Odour Audit report required by Condition B17.

## **SOILS, WATER QUALITY AND HYDROLOGY**

### **Discharge Limits**

- B19. 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.

### **Flood Management**

- B20. Prior to the commencement of construction, the Applicant must prepare a Flood Emergency Response Plan (FERP) for the Development in consultation with Council and to the satisfaction of the Secretary. The Plan must form part of the CEMP and OEMP required by Conditions C1 and C4 and must:
- (a) be prepared by a suitably qualified and experienced person(s);
  - (b) address the provisions of the Floodplain Risk Management Guideline (OEH 2007);
  - (c) 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.
- B21. The Applicant shall ensure the FERP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.
- B22. During construction and operation of the Development, the Applicant must not use the driveways modelled as high hazard in the FIA as an evacuation route during times of flooding.

### **Stormwater Management System**

- B23. 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 applicable Australian Standards;
  - (c) 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);
  - (d) divert existing clean surface water around operational areas of the site;
  - (e) prevent firewater and contaminated water from entering the stormwater management system;
  - (f) direct all sediment laden water in overland flow away from the leachate management system; and
  - (g) prevent cross-contamination of clean and sediment or leachate laden water.

### **Chemical Spills and Fire Water Containment**

- B24. To ensure that chemical spills and fire-water are contained on-site, prior to the commencement of expanded operations and to the satisfaction of FRNSW, the Applicant must ensure:
- (a) the stormwater isolation valve is automatically initiated upon either sprinkler activation and/or alternatively via activation of any Manual Call Point installed within the site;
  - (b) the stormwater isolation valve functionality should include a fail-safe function on power failure which automatically closes the valve. The stormwater isolation valve must remain in the closed position until a manual over-ride function is initiated upon confirmation that stormwater isolation is no longer required or once any contaminated water is disposed via trade waste or at a site that can lawfully receive the waste; and
  - (c) the location of the stormwater isolation valve and any associated controls must be clearly identified on the site's fire hydrant block plan, fire sprinkler block plan and the site plan located within the site's Emergency Response Plan.

### **Sprinkler and Fire Hydrant System**

- B25. Prior to the commencement of expanded operations and to the satisfaction of FRNSW, the Applicant must ensure:
- (a) the sprinkler system has extended coverage across the surge pit and load-out chutes; and
  - (b) the fire hydrant system is designed, installed and commissioned in accordance with AS 2419.1-2005.

## **Imported Soil**

- B26. The Applicant must:
- (a) ensure that only VENM, or ENM, or other material approved in writing by the EPA is used as fill on the site;
  - (b) keep accurate records of the volume and type of fill to be used; and
  - (c) make these records available to the Department upon request.

## **Erosion and Sediment Control**

- B27. Prior to the commencement of construction, the Applicant must install and maintain suitable erosion and sediment control measures on-site, in accordance with the relevant requirements in the latest version of the *Managing Urban Stormwater: Soils and Construction Guideline* and the Erosion and Sediment Control Plan included in the CEMP required by Condition C1.

## **TRAFFIC AND ACCESS**

### **Parking**

- B28. Prior to the commencement of expanded operations, the Applicant must provide 21 on-site parking spaces for visitors and staff (including one accessible parking space) and 12 on-site parking spaces for heavy vehicles to ensure that traffic associated with the Development does not utilise public and residential streets or public parking facilities. Parking areas must be constructed in accordance with the latest version of AS 2890.

### **Operating Conditions**

- B29. The Applicant must ensure:
- (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 and AS 2890.2;
  - (b) the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the 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 within the waste transfer station building;
  - (g) all trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network;
  - (h) the weighbridge stop line is moved 3 m to the west to prevent queuing on Davis Road; and
  - (i) the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times.

### **Operational Traffic Management Plan**

- B30. Prior to the commencement of expanded operations, the Applicant must prepare an Operational Traffic Management Plan (OTMP) for the Development to the satisfaction of the Secretary. The plan must form part of the OEMP required by Condition C4 and be prepared in accordance with Condition C6 and must:
- (a) be prepared by a suitably qualified and experienced person(s);
  - (b) be prepared in consultation with Council;
  - (c) detail the measures that are to be implemented to ensure road safety and network efficiency including restricting queuing or parking of vehicles on Davis Road;
  - (d) detail heavy vehicle routes, access and parking arrangements;
  - (e) include a Driver Code of Conduct to:
    - i. minimise the impacts on the local and regional road network;
    - ii. minimise conflicts with other road users;
    - iii. minimise road traffic noise;
    - iv. ensure truck drivers use specified routes; and
    - v. include a program to monitor the effectiveness of these measures.
- B31. The Applicant shall ensure the OTMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.



## NOISE

### Hours of Work

B32. The Applicant must comply with the hours detailed in **Table 2**;

**Table 2: Hours of Work**

Activity	Day	Time
Earthworks and construction	Monday – Friday	7 am to 6 pm
	Saturday	8 am to 1 pm
Operation	Monday – Sunday	24 hours

B33. Works outside of the hours identified in Condition B32 may be undertaken in the following circumstances:

- (a) works that are inaudible at the nearest sensitive receivers;
- (b) works agreed to in writing by the Secretary;
- (c) 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 and /or prevent environmental harm.

### Construction Noise Limits

B34. The Development must be constructed to achieve the construction noise management levels detailed in the *Interim Construction Noise Guideline* (Department of Environment and Climate Change, 2009). All noise mitigation measures must be implemented and any activities that could exceed the construction noise management levels must be identified and managed in accordance with the management and mitigation measures in the EIS.

### Operational Noise Limits

B35. The Applicant must ensure that noise generated by operation of the Development does not exceed the noise limits in **Table 3**.

**Table 3: Noise Limits dB(A)**

Location	Day L <sub>Aeq</sub> (15 minute)	Evening L <sub>Aeq</sub> (15 minute)	Night L <sub>Aeq</sub> (15 minute)	Night L <sub>A1</sub> (1 minute)
All residential receivers	35	35	35	45

**Note:** Noise generated by the Development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy.

### Noise Mitigation

B36. The Applicant must:

- (a) implement best practice, including all noise management and mitigation measures to prevent and minimise operational, low frequency and traffic noise generated by the development;
- (b) minimise the noise impacts of the development during adverse meteorological conditions;
- (c) maintain the effectiveness of any noise suppression equipment on plant at all times and ensure defective plant and equipment is not being used operationally until fully repaired; and
- (d) regularly assess noise emissions and relocated, modify and/or stop operations to ensure compliance with the relevant conditions of this consent.

### Construction and Operational Noise Management

B37. The Applicant must ensure that all its vehicles are fitted with a broadband reversing alarm.

## VIBRATION

### Vibration Criteria

B38. Vibration caused by construction at any residence or structure outside the site must be limited to:

- (a) for structural damage, German Standard DIN 4150 Part 3 Structural Vibration in Buildings. Effects on Structures; and
- (b) for human exposure, the acceptable vibration values set out in the Environmental Noise Management Assessing Vibration: A Technical Guideline (Department of Environment and Conservation, 2006).

## HAZARDS AND RISK

- B39. The Applicant must store all chemicals, fuels and oils used on-site in accordance with:
- (a) the requirements of all relevant Australian Standards; and
  - (b) the NSW EPA's *'Storing and Handling of Liquids: Environmental Protection – Participants Handbook'* if the chemicals are liquids.

In the event of an inconsistency between the requirements listed from (a) to (b) above, the most stringent requirement must prevail to the extent of the inconsistency.

## Dangerous Goods

- B40. The quantities of dangerous goods stored and handled at the site must be below the threshold quantities listed in the Department of Planning's *Hazardous and Offensive Development Application Guidelines – Applying SEPP 33* at all times.
- B41. Dangerous goods, as defined by the *Australian Dangerous Goods Code*, must be stored and handled strictly in accordance with:
- (d) all relevant Australian Standards;
  - (e) for liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and
  - (f) the *Environment Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin* (EPA,1997).

In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement must prevail to the extent of the inconsistency.

## LITTER AND PEST CONTROL

### Pests, Vermin and Noxious Weed Management

- B42. The Applicant must:
- (a) ensure all waste loads are covered unless within the waste transfer station building; and
  - (b) maintain the site in a clean and tidy state at all times.
- B43. The Applicant must:
- (a) implement suitable measures to manage pests, vermin and declared noxious 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 noxious 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, noxious weeds are those species subject to an order declared under the Noxious Weed Act 1993.

## CONTAMINATION

- B44. Prior to the commencement of construction, the Applicant must prepare an unexpected finds protocol to ensure that potentially contaminated material is appropriately managed. The protocol must form part of the CEMP required by Condition C1 and must ensure any material identified as contaminated must be disposed off-site, with the disposal location and results of testing submitted to the Secretary, prior to its removal from the site.

## TRANSGRID TRANSMISSION LINE EASEMENT

- B45. The Applicant must ensure no works of any kind are permitted within the 20-metre exclusion zone surrounding the transmission line tower.
- B46. The Applicant must ensure that the existing ground level is to be retained at the site and the AUS7000 clearance requirement shall be met for the proposed driveway within TransGrid's easement.
- B47. The Applicant must ensure that all works shall be carried out in accordance with the NSW WorkCover's *'Work Near Overhead Power Lines' Code of Practice 2006* and *TransGrid's Easement Guidelines for Third Party Development (V10)*. A safe unobstructed working platform shall be preserved around the transmission line structures for access by EWP, cranes as well as other large plant and equipment. No obstructions of any type shall be placed within 30 metres of any part of a transmission line structure.

- B48. The Applicant must ensure that the design of access ways/roads to TransGrid's easement and structures shall cater for the weight and size of TransGrid's maintenance vehicles that have a 40 tonne load capacity.
- B49. The Applicant must ensure that all activities and operating plant within the easement are limited to a height restriction of 4.3 m above ground height to ensure safe clearances to the overhead powerline.
- B50. During construction, the Applicant must take adequate precautions to protect structures from accidental damage.
- B51. The Applicant must ensure that the easement area shall not be used for temporary storage of construction spoil, topsoil, gravel or any other construction material.
- B52. The Applicant must ensure that no obstruction of any type shall be placed within 30 m of any part of a transmission line structure.
- B53. During construction, the Applicant must ensure that TransGrid have unrestricted access for the purpose of undertaking normal maintenance and inspection activities. At completion of works, access to transmission lines and structures must be freely available at all times for TransGrid plant and personnel.
- B54. The Applicant must provide formal written notification of any amendment and/or additional works proposed to the subject site. Any additional works proposed within the easement require an assessment by TransGrid to ensure that clearances to transmission lines and structures are met. TransGrid's clearance requirements must be met to ensure public safety.

## **VISUAL AMENITY**

### **Lighting**

- B55. The Applicant must ensure the lighting associated with the Development:
- (a) complies with the latest version of AS 4282 (INT) - Control of Obtrusive Effects of Outdoor Lighting; and
  - (b) is mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties or the public road network.

## **PART C: ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING**

### **CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN**

- C1. The Applicant must prepare a Construction Environmental Management Plan (CEMP) to the satisfaction of the Secretary. The CEMP must:
- (a) be prepared to the satisfaction of the Secretary prior to the commencement of construction;
  - (b) identify the statutory approvals that apply to the Development;
  - (c) outline all environmental management practices and procedures to be followed during construction works associated with the Development;
  - (d) explain the controls that would be implemented to minimise dust emissions during construction of the Development;
  - (e) describe all activities to be undertaken on the site during construction of the Development, including a clear indication of construction stages;
  - (f) detail how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified adverse environmental impacts;
  - (g) describe the roles and responsibilities for all relevant employees involved in construction works associated with the Development; and
  - (h) include the management plans required under Condition C2 of this consent.
- C2. As part of the CEMP required under Condition C1 of this consent, the Applicant must include the following:
- (a) FERP (see Condition B20); and
  - (b) Erosion and Sediment Control Plan (see Condition B27).
- C3. The Applicant must carry out the construction of the Development in accordance with the CEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

### **OPERATIONAL ENVIRONMENTAL MANAGEMENT PLAN**

- C4. The Applicant must prepare an Operational Environmental Management Plan (OEMP) to the satisfaction of the Secretary. The OEMP must:
- (a) be prepared to the satisfaction of the Secretary prior to the commencement of the expanded operation;
  - (b) be prepared by a suitably qualified and experienced expert;
  - (c) provide the strategic framework for environmental management of the Development;
  - (d) identify the statutory approvals that apply to the Development;
  - (e) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the Development;
  - (f) describe the procedures that would be implemented to:
    - i. keep the local community and relevant agencies informed about the operation and environmental performance of the Development;
    - ii. receive, handle, respond to, and record complaints;
    - iii. resolve any disputes that may arise;
    - iv. respond to any non-compliance;
    - v. respond to emergencies; and
  - (g) include the following environmental management plans:
    - i. OMP (see Condition B14);
    - ii. FERP (see Condition B20);
    - iii. OTMP (see Condition B30); and
- C5. The Applicant must operate the Development in accordance with the OEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

### **MANAGEMENT PLAN REQUIREMENTS**

- C6. The Applicant must ensure that the environmental management plans required under Condition C1 and Condition C4 of this consent are prepared by a suitably qualified person or persons in accordance with best practice and include:
- (a) detailed baseline data;
  - (b) a description of:
    - i. the relevant statutory requirements (including any relevant approval, licence or lease conditions);
    - ii. any relevant limits or performance measures/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;

- (c) a description of the management measures that would be implemented to comply with the relevant statutory requirements, limits or performance measures/criteria;
- (d) a program to monitor and report on the:
  - i. impacts and environmental performance of the Development; and
  - ii. effectiveness of any management measures (see (c) above);
- (e) a contingency plan to manage any unpredicted impacts and their consequences;
- (f) a program to investigate and implement ways to improve the environmental performance of the Development over time;
- (g) a protocol for managing and reporting any:
  - i. incidents;
  - ii. complaints;
  - iii. non-compliances with statutory requirements; and
  - iv. exceedances of the impact assessment criteria and/or performance criteria; and
- (h) a protocol for periodic review of the plan.

### **Revision of Strategies, Plans and Programs**

- C7. Within three months of:
- (a) approval of a modification;
  - (b) approval of an annual review under Condition C8;
  - (c) submission of an incident report under Condition C9; or
  - (d) completion of an audit under Condition C12,

the Applicant must review, and if necessary revise, the strategies, plans, and programs required under this consent to the satisfaction of the Secretary.

**Note:** *This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the Development.*

### **ANNUAL REVIEW**

- C8. Each year, the Applicant must review the environmental performance of the Development to the satisfaction of the Secretary. This review must:
- (a) describe the development that was carried out in the previous calendar year, and the Development that is proposed to be carried out over the next year;
  - (b) include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of these results against the:
    - i. the relevant statutory requirements, limits or performance measures/criteria;
    - ii. requirements of any plan or program required under this consent;
    - iii. the monitoring results of previous years; and
    - iv. the relevant predictions in the EIS;
  - (c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;
  - (d) identify any trends in the monitoring data over the life of the Development;
  - (e) identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and
  - (f) describe what measures will be implemented over the next year to improve the environmental performance of the Development.

### **REPORTING**

#### **Incident Reporting**

- C9. Within 24 hours of any incident or potential incident with actual or potential significant off-site impacts on people or the biophysical environment, a report shall be supplied to the Department outlining the basic facts. A further detailed report shall be prepared and submitted following investigations of the causes and identification of necessary additional preventive measures. That report must be submitted to the Secretary no later than 14 days after the incident or potential incident.
- C10. The Applicant shall maintain a register of accidents, incidents and potential incidents. The register shall be made available for inspection at any time by the independent Hazard Auditor and the Department.

## Regular Reporting

- C11. The Applicant must provide regular reporting on the environmental performance of the Development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.

## AUDITING

### Independent Environmental Audit

- C12. Within one year of the commencement of operation, and every three years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (audit) of the Development. Division 2B of Part 6 of the EP&A Act applies to these audits, which are for the purposes of ascertaining information in relation to the environmental performance of the Development and the adequacy of strategies, plans and programs. Audits must:
- (a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;
  - (b) include consultation with the relevant agencies;
  - (c) assess the environmental performance of the Development and assess whether it is complying with the requirements in this consent, and any other relevant approvals, relevant EPL(s) (including any assessment, plan or program required under these approvals);
  - (d) review the adequacy of any approved strategy, plan or program required under the abovementioned consents; and
  - (e) recommend measures or actions to improve the environmental performance of the Development, and/or any strategy, plan or program required under these consents.

**Note:** *This audit team must be led by a suitably qualified auditor, and include relevant experts in any other fields specified by the Secretary.*

- C13. Within three months of commissioning this audit, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary, and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The Applicant must implement these recommendations to the satisfaction of the Secretary.

## ACCESS TO INFORMATION

- C14. The Applicant must:
- (a) make copies of the following publicly available on its website:
    - i. the documents referred to in Condition A2;
    - ii. all current statutory approvals for the Development;
    - iii. all approved strategies, plans and programs required under the conditions of this consent;
    - iv. 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;
    - v. a complaint register updated on a monthly basis;
    - vi. the annual reviews of the Development;
    - vii. any independent environmental audit of the Development and the Applicant's response to the recommendations in any audit;
    - viii. any other matter required by the Secretary; and
    - ix. keep this information up to date, to the satisfaction of the Secretary.

**01 SITE PLAN**

**NOTES:**

- THE PROPOSED TRUCK PARKING, DRIVEWAYS AND MANOEUVERING AREA ARE DESIGNED IN ACCORDANCE WITH AS2890.1 & AS 2890.2

**PROJECT INFORMATION:**

DATE	REVISION	PROJECT NO.
15/01/2023	15233	DA 101 G

**PROJECT NAME:** Weirhill Park Resource Recovery Facility

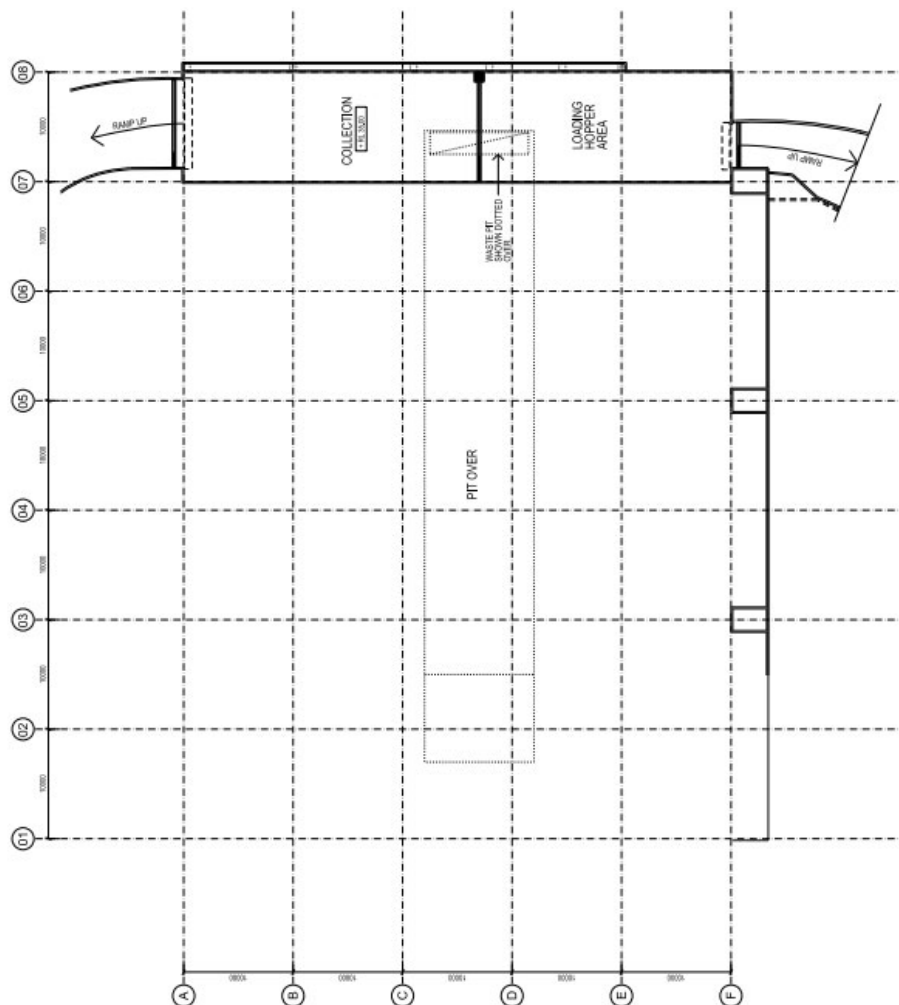
**PROJECT TYPE:** Site Plan

**PROJECT LOCATION:** Weirhill Park, Resource Recovery Facility

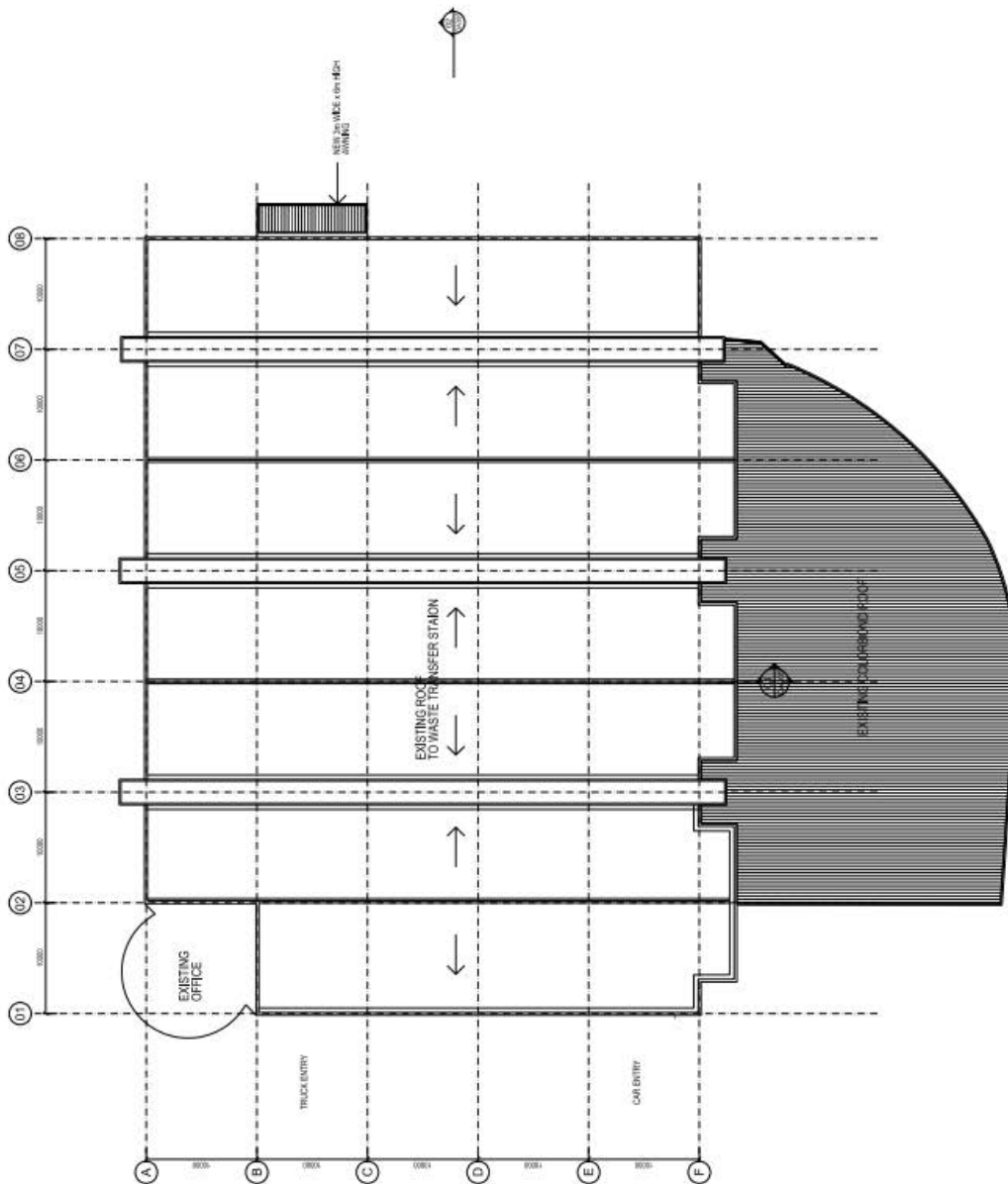
**PROJECT DESCRIPTION:** The project involves the design and construction of a new truck parking area, driveways, and manoeuvring area at the Weirhill Park Resource Recovery Facility. The plan shows the layout of the facility, including the proposed workshop, existing buildings, parking areas, and various access points. Key features include: Proposed Workshop (1000m x 2000m), New Trailer Parking (10), New 3m Wide Awning, Collection Trucks - Entry Driveway, Existing Electrical Kiosk, Existing Waste Transfer Station, Existing Recycling Area, Existing Electricity Tower, Existing Gatehouse, Existing Gate (5), Existing Car Parking (1), Existing Car Parking (16), In Trucks, In Cars, Out Cars/Trucks, Give Way Traffic Sign & Line Markings, and Electrical Easement. The plan also shows the boundary, centre line of easement, and various easements. A scale bar indicates 1000m, 2000m, and 3000m. A north arrow is located in the top right corner. The plan is titled '01 SITE PLAN'.







<p>Project Address: 1234 Main St, Suite 500, New York, NY 10001</p> <p>Project Name: 1234 Main St, Suite 500, New York, NY 10001</p> <p>Project Number: 123456789</p> <p>Project Date: 12/31/2023</p> <p>Project Status: <span style="color: red;">1</span> <span style="color: green;">2</span> <span style="color: blue;">3</span> <span style="color: orange;">4</span> <span style="color: purple;">5</span> <span style="color: brown;">6</span> <span style="color: pink;">7</span> <span style="color: grey;">8</span> <span style="color: lightgrey;">9</span> <span style="color: black;">10</span></p> <p>Project Manager: John Doe</p> <p>Project Engineer: Jane Smith</p> <p>Project Designer: Bob Johnson</p> <p>Project Architect: Alice Brown</p> <p>Project Contractor: Charlie White</p> <p>Project Owner: David Green</p> <p>Project Consultant: Emily Black</p> <p>Project Advisor: Frank Blue</p> <p>Project Analyst: Grace Red</p> <p>Project Coordinator: Henry Yellow</p> <p>Project Assistant: Ivy Purple</p> <p>Project Secretary: Jack Orange</p> <p>Project Receptionist: Karen Pink</p> <p>Project Mailroom: Larry Grey</p> <p>Project Janitor: Mary Black</p> <p>Project Security: Nick White</p> <p>Project Cleaning: Olivia Brown</p> <p>Project Maintenance: Peter Green</p> <p>Project IT Support: Quinn Blue</p> <p>Project HR Support: Ryan Red</p> <p>Project Legal Support: Sarah Yellow</p> <p>Project Financial Support: Tom Purple</p> <p>Project Marketing Support: Victoria Orange</p> <p>Project Sales Support: William Pink</p> <p>Project Customer Support: Xavier Grey</p> <p>Project Product Support: Yvonne Black</p> <p>Project Quality Support: Zach White</p> <p>Project Compliance Support: Adam Brown</p> <p>Project Risk Support: Bella Green</p> <p>Project Safety Support: Benjamin Blue</p> <p>Project Health Support: Chloe Red</p> <p>Project Environment Support: Daniel Yellow</p> <p>Project Social Support: Elizabeth Purple</p> <p>Project Culture Support: Ethan Orange</p> <p>Project Diversity Support: Fiona Pink</p> <p>Project Inclusion Support: George Grey</p> <p>Project Equity Support: Hannah Black</p> <p>Project Access Support: Ian White</p> <p>Project Usability Support: Isabella Brown</p> <p>Project Interoperability Support: Jacob Green</p> <p>Project Portability Support: Karen Blue</p> <p>Project Reliability Support: Keith Red</p> <p>Project Scalability Support: Leah Yellow</p> <p>Project Flexibility Support: Michael Purple</p> <p>Project Adaptability Support: Nicole Orange</p> <p>Project Resilience Support: Oliver Pink</p> <p>Project Robustness Support: Patricia Grey</p> <p>Project Fault Tolerance Support: Robert Black</p> <p>Project Availability Support: Sophia White</p> <p>Project Performance Support: Steven Brown</p> <p>Project Efficiency Support: Tanya Green</p> <p>Project Effectiveness Support: Tyler Blue</p> <p>Project Productivity Support: Ursula Red</p> <p>Project Quality Support: Victor Yellow</p> <p>Project Accuracy Support: Wanda Purple</p> <p>Project Precision Support: Xavier Orange</p> <p>Project Consistency Support: Yvonne Pink</p> <p>Project Reliability Support: Zach Grey</p> <p>Project Dependability Support: Adam Black</p> <p>Project Trustworthiness Support: Bella White</p> <p>Project Integrity Support: Benjamin Brown</p> <p>Project Honesty Support: Chloe Green</p> <p>Project Sincerity Support: Daniel Blue</p> <p>Project Authenticity Support: Elizabeth Red</p> <p>Project Transparency Support: Ethan Yellow</p> <p>Project Openness Support: Fiona Purple</p> <p>Project Accessibility Support: George Orange</p> <p>Project Inclusivity Support: Hannah Pink</p> <p>Project Diversity Support: Ian Grey</p> <p>Project Equity Support: Isabella Black</p> <p>Project Fairness Support: Jacob White</p> <p>Project Justice Support: Karen Brown</p> <p>Project Equality Support: Keith Green</p> <p>Project Liberty Support: Leah Blue</p> <p>Project Peace Support: Michael Red</p> <p>Project Harmony Support: Nicole Yellow</p> <p>Project Unity Support: Oliver Purple</p> <p>Project Cooperation Support: Patricia Orange</p> <p>Project Teamwork Support: Robert Pink</p> <p>Project Collaboration Support: Sophia Grey</p> <p>Project Partnership Support: Steven Black</p> <p>Project Alliance Support: Tanya White</p> <p>Project Coalition Support: Tyler Brown</p> <p>Project Consortium Support: Ursula Green</p> <p>Project Network Support: Victor Blue</p> <p>Project Community Support: Wanda Red</p> <p>Project Society Support: Xavier Yellow</p> <p>Project Culture Support: Yvonne Purple</p> <p>Project Values Support: Zach Orange</p> <p>Project Beliefs Support: Adam Pink</p> <p>Project Attitudes Support: Bella Grey</p> <p>Project Opinions Support: Benjamin Black</p> <p>Project Views Support: Chloe White</p> <p>Project Judgments Support: Daniel Brown</p> <p>Project Conclusions Support: Elizabeth Green</p> <p>Project Decisions Support: Ethan Blue</p> <p>Project Actions Support: Fiona Red</p> <p>Project Behaviors Support: George Yellow</p> <p>Project Habits Support: Hannah Purple</p> <p>Project Customs Support: Ian Orange</p> <p>Project Traditions Support: Isabella Pink</p> <p>Project Rituals Support: Jacob Grey</p> <p>Project Ceremonies Support: Karen Black</p> <p>Project Festivals Support: Keith White</p> <p>Project Holidays Support: Leah Brown</p> <p>Project Seasons Support: Michael Green</p> <p>Project Weather Support: Nicole Blue</p> <p>Project Climate Support: Oliver Red</p> <p>Project Environment Support: Patricia Yellow</p> <p>Project Nature Support: Robert Purple</p> <p>Project Landscape Support: Sophia Orange</p> <p>Project Flora Support: Steven Pink</p> <p>Project Fauna Support: Tanya Grey</p> <p>Project Wildlife Support: Tyler Black</p> <p>Project Conservation Support: Ursula White</p> <p>Project Sustainability Support: Victor Brown</p> <p>Project Eco-Friendliness Support: Wanda Green</p> <p>Project Green Support: Xavier Blue</p> <p>Project Organic Support: Yvonne Red</p> <p>Project Natural Support: Zach Yellow</p> <p>Project Pure Support: Adam Purple</p> <p>Project Clean Support: Bella Orange</p> <p>Project Fresh Support: Benjamin Pink</p> <p>Project Clear Support: Chloe Grey</p> <p>Project Bright Support: Daniel Black</p> <p>Project Shiny Support: Elizabeth White</p> <p>Project Sparkling Support: Ethan Brown</p> <p>Project Glittering Support: Fiona Green</p> <p>Project Glistening Support: George Blue</p> <p>Project Glowing Support: Hannah Red</p> <p>Project Radiant Support: Ian Yellow</p> <p>Project Lustrous Support: Isabella Purple</p> <p>Project Brilliant Support: Jacob Orange</p> <p>Project Stunning Support: Karen Pink</p> <p>Project Breathtaking Support: Keith Grey</p> <p>Project Amazing Support: Leah Black</p> <p>Project Incredible Support: Michael White</p> <p>Project Unbelievable Support: Nicole Brown</p> <p>Project Mind-Boggling Support: Oliver Green</p> <p>Project Astonishing Support: Patricia Blue</p> <p>Project Breathtaking Support: Robert Red</p> <p>Project Spectacular Support: Sophia Yellow</p> <p>Project Phenomenal Support: Steven Purple</p> <p>Project Extraordinary Support: Tanya Orange</p> <p>Project Outrageous Support: Tyler Pink</p> <p>Project Unprecedented Support: Ursula Grey</p> <p>Project Unparalleled Support: Victor Black</p> <p>Project Unsurpassed Support: Wanda White</p> <p>Project Unequaled Support: Xavier Brown</p> <p>Project Unrivalled Support: Yvonne Green</p> <p>Project Unmatched Support: Zach Blue</p> <p>Project Uncomparable Support: Adam Red</p> <p>Project Unconformable Support: Bella Yellow</p> <p>Project Uncommon Support: Benjamin Purple</p> <p>Project Unusual Support: Chloe Orange</p> <p>Project Uncommon Support: Daniel Pink</p> <p>Project Uncommon Support: Elizabeth Grey</p> <p>Project Uncommon Support: Ethan Black</p> <p>Project Uncommon Support: Fiona White</p> <p>Project Uncommon Support: George Brown</p> <p>Project Uncommon Support: Hannah Green</p> <p>Project Uncommon Support: Ian Blue</p> <p>Project Uncommon Support: Isabella Red</p> <p>Project Uncommon Support: Jacob Yellow</p> <p>Project Uncommon Support: Karen Purple</p> <p>Project Uncommon Support: Keith Orange</p> <p>Project Uncommon Support: Leah Pink</p> <p>Project Uncommon Support: Michael Grey</p> <p>Project Uncommon Support: Nicole Black</p> <p>Project Uncommon Support: Oliver White</p> <p>Project Uncommon Support: Patricia Brown</p> <p>Project Uncommon Support: Robert Green</p> <p>Project Uncommon Support: Sophia Blue</p> <p>Project Uncommon Support: Steven Red</p> <p>Project Uncommon Support: Tanya Yellow</p> <p>Project Uncommon Support: Tyler Purple</p> <p>Project Uncommon Support: Ursula Orange</p> <p>Project Uncommon Support: Victor Pink</p> <p>Project Uncommon Support: Wanda Grey</p> <p>Project Uncommon Support: Xavier Black</p> <p>Project Uncommon Support: Yvonne White</p> <p>Project Uncommon Support: Zach Brown</p> <p>Project Uncommon Support: Adam Green</p> <p>Project Uncommon Support: Bella Blue</p> <p>Project Uncommon Support: Benjamin Red</p> <p>Project Uncommon Support: Chloe Yellow</p> <p>Project Uncommon Support: Daniel Purple</p> <p>Project Uncommon Support: Elizabeth Orange</p> <p>Project Uncommon Support: Ethan Pink</p> <p>Project Uncommon Support: Fiona Grey</p> <p>Project Uncommon Support: George Black</p> <p>Project Uncommon Support: Hannah White</p> <p>Project Uncommon Support: Ian Brown</p> <p>Project Uncommon Support: Isabella Green</p> <p>Project Uncommon Support: Jacob Blue</p> <p>Project Uncommon Support: Karen Red</p> <p>Project Uncommon Support: Keith Yellow</p> <p>Project Uncommon Support: Leah Purple</p> <p>Project Uncommon Support: Michael Orange</p> <p>Project Uncommon Support: Nicole Pink</p> <p>Project Uncommon Support: Oliver Grey</p> <p>Project Uncommon Support: Patricia Black</p> <p>Project Uncommon Support: Robert White</p> <p>Project Uncommon Support: Sophia Brown</p> <p>Project Uncommon Support: Steven Green</p> <p>Project Uncommon Support: Tanya Blue</p> <p>Project Uncommon Support: Tyler Red</p> <p>Project Uncommon Support: Ursula Yellow</p> <p>Project Uncommon Support: Victor Purple</p> <p>Project Uncommon Support: Wanda Orange</p> <p>Project Uncommon Support: Xavier Pink</p> <p>Project Uncommon Support: Yvonne Grey</p> <p>Project Uncommon Support: Zach Black</p> <p>Project Uncommon Support: Adam White</p> <p>Project Uncommon Support: Bella Brown</p> <p>Project Uncommon Support: Benjamin Green</p> <p>Project Uncommon Support: Chloe Blue</p> <p>Project Uncommon Support: Daniel Red</p> <p>Project Uncommon Support: Elizabeth Yellow</p> <p>Project Uncommon Support: Ethan Purple</p> <p>Project Uncommon Support: Fiona Orange</p> <p>Project Uncommon Support: George Pink</p> <p>Project Uncommon Support: Hannah Grey</p> <p>Project Uncommon Support: Ian Black</p> <p>Project Uncommon Support: Isabella White</p> <p>Project Uncommon Support: Jacob Brown</p> <p>Project Uncommon Support: Karen Green</p> <p>Project Uncommon Support: Keith Blue</p> <p>Project Uncommon Support: Leah Red</p> <p>Project Uncommon Support: Michael Yellow</p> <p>Project Uncommon Support: Nicole Purple</p> <p>Project Uncommon Support: Oliver Orange</p> <p>Project Uncommon Support: Patricia Pink</p> <p>Project Uncommon Support: Robert Grey</p> <p>Project Uncommon Support: Sophia Black</p> <p>Project Uncommon Support: Steven White</p> <p>Project Uncommon Support: Tanya Brown</p> <p>Project Uncommon Support: Tyler Green</p> <p>Project Uncommon Support: Ursula Blue</p> <p>Project Uncommon Support: Victor Red</p> <p>Project Uncommon Support: Wanda Yellow</p> <p>Project Uncommon Support: Xavier Purple</p> <p>Project Uncommon Support: Yvonne Orange</p> <p>Project Uncommon Support: Zach Pink</p> <p>Project Uncommon Support: Adam Grey</p> <p>Project Uncommon Support: Bella Black</p> <p>Project Uncommon Support: Benjamin White</p> <p>Project Uncommon Support: Chloe Brown</p> <p>Project Uncommon Support: Daniel Green</p> <p>Project Uncommon Support: Elizabeth Blue</p> <p>Project Uncommon Support: Ethan Red</p> <p>Project Uncommon Support: Fiona Yellow</p> <p>Project Uncommon Support: George Purple</p> <p>Project Uncommon Support: Hannah Orange</p> <p>Project Uncommon Support: Ian Pink</p> <p>Project Uncommon Support: Isabella Grey</p> <p>Project Uncommon Support: Jacob Black</p> <p>Project Uncommon Support: Karen White</p> <p>Project Uncommon Support: Keith Brown</p> <p>Project Uncommon Support: Leah Green</p> <p>Project Uncommon Support: Michael Blue</p> <p>Project Uncommon Support: Nicole Red</p> <p>Project Uncommon Support: Oliver Yellow</p> <p>Project Uncommon Support: Patricia Purple</p> <p>Project Uncommon Support: Robert Orange</p> <p>Project Uncommon Support: Sophia Pink</p> <p>Project Uncommon Support: Steven Grey</p> <p>Project Uncommon Support: Tanya Black</p> <p>Project Uncommon Support: Tyler White</p> <p>Project Uncommon Support: Ursula Brown</p> <p>Project Uncommon Support: Victor Green</p> <p>Project Uncommon Support: Wanda Blue</p> <p>Project Uncommon Support: Xavier Red</p> <p>Project Uncommon Support: Yvonne Yellow</p> <p>Project Uncommon Support: Zach Purple</p> <p>Project Uncommon Support: Adam Orange</p> <p>Project Uncommon Support: Bella Pink</p> <p>Project Uncommon Support: Benjamin Grey</p> <p>Project Uncommon Support: Chloe Black</p> <p>Project Uncommon Support: Daniel White</p> <p>Project Uncommon Support: Elizabeth Brown</p> <p>Project Uncommon Support: Ethan Green</p> <p>Project Uncommon Support: Fiona Blue</p> <p>Project Uncommon Support: George Red</p> <p>Project Uncommon Support: Hannah Yellow</p> <p>Project Uncommon Support: Ian Purple</p> <p>Project Uncommon Support: Isabella Orange</p> <p>Project Uncommon Support: Jacob Pink</p> <p>Project Uncommon Support: Karen Grey</p> <p>Project Uncommon Support: Keith Black</p> <p>Project Uncommon Support: Leah White</p> <p>Project Uncommon Support: Michael Brown</p> <p>Project Uncommon Support: Nicole Green</p> <p>Project Uncommon Support: Oliver Blue</p> <p>Project Uncommon Support: Patricia Red</p> <p>Project Uncommon Support: Robert Yellow</p> <p>Project Uncommon Support: Sophia Purple</p> <p>Project Uncommon Support: Steven Orange</p> <p>Project Uncommon</p>
---



**01** GROUND FLOOR PLAN

These drawings have been prepared by the Architect for the purpose of providing information only. They are not to be used for any other purpose without the written consent of the Architect. The Architect is not responsible for any errors or omissions in these drawings or for any consequences arising from their use. The client is responsible for ensuring that the drawings are used in accordance with the relevant legislation and standards.

**SB** ARCHITECTS  
 10/100 King Street, Sydney, NSW 2000  
 Tel: 02 9250 0000 Fax: 02 9250 0000  
 www.sbsarchitects.com.au



PROJECT	AAT KINGS Workshop Refurbishment
DATE	22/08/21
SCALE	1:500
DESIGN	SB
NO.	15233
DATE	22/08/21
BY	DA 203 D
FOR	DA 203 D





**APPENDIX B**  
**APPLICANT'S MANAGEMENT AND MITIGATION MEASURES**

Environmental Issue	Mitigation and consolidation
<b>Waste Management</b>	In order to ensure that the Development's waste management operations would have minimal impact on the surrounding environment the updated OEMP and associated procedures would act to mitigate potential impacts.
<b>Soil and Water</b>	<p>The following mitigation and management measures would be adopted for soil:</p> <ul style="list-style-type: none"> <li>● in the event of discovery of PASS, procedures would be developed to mitigate potential impacts on the environment. These procedures would be documented in the CEMP;</li> <li>● in the event of discovery of potential soil contamination, procedures would be developed to mitigate potential impacts on the environment. These procedures would be documented in the CEMP;</li> <li>● the CEMP would include a range of appropriate erosion and sediment control measures that would be required for implementation, monitoring and maintenance during the construction of the Development;</li> <li>● the updated OEMP would outline erosion and sediment control measures to be applied during operation of the Development.</li> </ul> <p>A number of design features and management measures would be used to mitigate the potential for runoff from the Development to impact upon surface water.</p> <ul style="list-style-type: none"> <li>● installation of a surface water management system in the new hardstand area; and</li> <li>● the existing OEMP and accompanying site procedures would be updated where required including update of the Surface Water Management Plan including a monitoring program.</li> </ul> <p>Mitigation measures proposed to reduce the impact of leachate include:</p> <ul style="list-style-type: none"> <li>● segregation of leachate from surface water and groundwater; and</li> <li>● continue to monitor leachate discharge to sewer in accordance with Trade Waste Agreement.</li> </ul>
<b>Air Quality, Greenhouse Gas and Odour</b>	<p>An Air Quality Management Plan would be developed as a subplan to the CEMP and would contain the following management measures:</p> <ul style="list-style-type: none"> <li>● engines of on-site vehicles and plant would be switched off when not in use; and</li> <li>● construction machinery and vehicles on-site would be maintained and serviced according to the manufacturer's specifications.</li> </ul> <p>During construction activities requiring exposed surfaces and stockpiling the following controls would be in place:</p> <ul style="list-style-type: none"> <li>● minimise area of exposed surfaces;</li> <li>● water suppression on exposed areas and stockpiles; and</li> <li>● minimise amount of stockpiled material.</li> </ul> <p>During on-site hauling activities, the following controls would be in place:</p> <ul style="list-style-type: none"> <li>● watering of unsealed haul roads;</li> <li>● sealed haul roads to be cleaned regularly;</li> <li>● restrict vehicle traffic to designated routes;</li> <li>● imposing speed limits; and</li> <li>● covering vehicle loads when transporting material off-site.</li> </ul> <p>The existing Odour and Dust Management Plans would be updated as part of the OEMP update. A number of control measures are proposed to ensure that the potential for any odour and dust impacts off-site are minimal. These controls include:</p> <ul style="list-style-type: none"> <li>● continuing existing operation of the dust and odour suppression system;</li> <li>● waste delivery trucks entering the terminal would be required to be fully enclosed or covered;</li> <li>● the amount of putrescible waste on-site within the terminal at any time would be minimised as much as reasonably practicable;</li> </ul>

Environmental Issue	Mitigation and consolidation
	<ul style="list-style-type: none"> <li>● dust management procedures would be implemented within and outside the terminal building including regular sweeping and washing down, as required;</li> <li>● traffic management procedures to co-ordinate the delivery schedule and avoid a queue of the incoming or outgoing trucks for extended periods of time;</li> <li>● spill management procedures to include immediate cleaning up of any spill/leakage from incoming and outgoing trucks;</li> <li>● maintaining an odour complaint logbook and in the event of a complaint immediately investigate any unusual odour sources (including spill or leakage in the traffic areas) within the site boundary and take appropriate action as required; and</li> <li>● reviewing operational practices and management plans regularly and training of relevant staff regarding waste handling and transfer and odour and dust suppression.</li> </ul> <p>The mitigation measures that will be implemented on-site during construction of the Development to minimise energy usage and the number of vehicles required include the following:</p> <ul style="list-style-type: none"> <li>● the contractor will limit idling time of plant and equipment whilst on-site;</li> <li>● the contractor will make certain that the only lighting left on overnight around the Site office will be security or emergency/access lighting; and</li> <li>● earthmoving equipment and on-site vehicles will be fitted with exhaust controls in accordance with the <i>Protection of the Environment Operations (Clean Air) Regulation 2010</i>.</li> <li>● the following energy efficient features have been identified as feasible on-site measures to reduce the Development's most significant sources of emissions.</li> <li>● all trucks leaving the Site carrying waste will be filled to the maximum reasonably practicable, depending on the truck size, to reduce the number of traffic movements required;</li> <li>● hybrid material handling equipment to be used;</li> <li>● EURO 5 standard for trucks;</li> <li>● large trailers and therefore less transfer trips;</li> <li>● timer switches and light sensors: where appropriate, lights within the transfer building would be fitted with timer switches and external lighting would be fitted with a light sensor; and</li> <li>● energy efficient lighting: LED lights will be installed and directed on-site.</li> </ul>
Traffic	<p>Traffic management measures associated with the Development on the Site are proposed to be provided during construction and operation of the Development. These include:</p> <ul style="list-style-type: none"> <li>● provision of 21 car parking spaces and 12 truck and trailer parking spaces on-site including one accessible parking space;</li> <li>● moving the existing stop line at the weighbridge forward by 3 m;</li> <li>● separation of commercial and domestic waste streams through appropriate signage and direction by staff;</li> <li>● a Construction Traffic Management Plan will be developed as part of the CEMP for the Development. This would include a traffic management plan identifying vehicle movements to and from the Site, internal access, interactions with general public, parking and access requirements for personnel and safety signage and training of personnel (as appropriate) in traffic management in accordance with relevant requirements and guidelines of the RMS and Council in terms of road safety and network efficiency.</li> </ul>
Noise and Vibration	<p>The following measure have been or will be implemented at the site to mitigate noise:</p> <ul style="list-style-type: none"> <li>● most equipment is replaced after 4 years;</li> <li>● equipment regularly maintained and serviced;</li> <li>● hybrid material handling equipment; and</li> <li>● EURO 5 standard for trucks.</li> </ul>

Environmental Issue	Mitigation and consolidation
<b>Visual Amenity</b>	<p>The following measure have been or will be implemented at the site to mitigate visual impacts at the site:</p> <ul style="list-style-type: none"> <li>● maintaining and supplementing the existing screening on-site.</li> </ul>
<b>Hazards and Risks</b>	<p>The management standards and guidelines utilised for existing operations at Wetherill Park Resource Recovery Facility will continue to be applied on the Site and will be built upon and incorporated into the updated OEMP along with the mitigation measures identified.</p>
<b>Stakeholder</b>	<p>Stakeholder engagement activities would continue to be developed and facilitate the engagement process as part of construction and operation management measures. These may include:</p> <ul style="list-style-type: none"> <li>● telephone line to communicate issues;</li> <li>● complaints management process;</li> <li>● updates of the Applicant's website;</li> <li>● clear signage at construction-sites during construction; and</li> <li>● ongoing review and refinement of construction and operation impact mitigation measures</li> </ul>
<b>Other Issues</b>	<ul style="list-style-type: none"> <li>● should indigenous or non-indigenous cultural material be identified during any works, construction and/or operation will cease in the vicinity of the find and the appropriate representative at OEH will be contacted; and</li> <li>● should fauna and flora species and ecological communities be identified during any works, construction and/or operation will cease in the vicinity of the find and the appropriate representative at OEH will be contacted.</li> </ul>



## APPENDIX D      MANAGEMENT PLANS



# Emergency Response Plan

<b>PURPOSE</b>	<p>Emergency response planning is the act of anticipating and preparing for emergency situations which may occur and impact the business. The basic principle of emergency response planning is to ensure the health and safety of workers and minimise any adverse effects to the environment and Veolia ANZ or client's property.</p> <p>This document aims to ensure the <b>Wetherill Park Resource &amp; Recovery Facility (WPRRF)</b> can respond to any emergency situation (i.e. medical, fire, natural disaster) in a planned and rehearsed manner. This plan has been developed in line with the <a href="#">Crisis Management Planning Procedure</a> and <a href="#">Emergency Management Procedure</a>, by identifying key potential hazard situations which could be encountered at the facility.</p>
<b>Scope</b>	<p>The Emergency Response Plan (ERP) applies to all Veolia management, workers and contractors involved in work activities for Veolia at <b>Wetherill Park Resource &amp; Recovery Facility (WPRRF)</b> Where Veolia workers of this site conduct work activities on a client site, workers will be required to respond to an emergency in accordance with any client site specific requirements and respond to appropriate directions from the client's emergency response personnel.</p>
<b>Review Frequency</b>	3 Yearly
<b>CONTENTS</b>	<ol style="list-style-type: none"> <li>1. Emergency Response Plan <ul style="list-style-type: none"> <li>Facility Overview</li> </ul> </li> <li>2. Activation of Emergency Response Plan</li> <li>3. Unplanned Scenarios</li> <li>4. Emergency Response Plan Access, Testing, Evaluation, Review and Maintenance <ul style="list-style-type: none"> <li>4.1. Access</li> <li>4.2. Testing</li> <li>4.3. Review and Maintenance <ul style="list-style-type: none"> <li>4.3.1. General</li> <li>4.3.2. Post Emergency Response Plan Use, Evaluation and Review</li> </ul> </li> </ul> </li> <li>5. Governance, Roles and Responsibilities</li> <li>6. Emergency Response</li> </ol>

	<p>6.1. General Emergency Response Requirements for all Situations</p> <p>6.1.1. Danger</p> <p>6.1.2. Send for Help</p> <p>6.1.2.1. Contacting Emergency Services Phone '000' (Australia) or '111' (New Zealand)</p> <p>6.1.2.2. Site Emergency Contacts</p> <p>6.1.2.3. Notify Management and SHEQ Unit</p> <p>6.2. Danger Response Send Airway Breathing Circulation and Defibrillator and Disability (DRS ABCD)</p> <p>6.2.1. Danger</p> <p>6.2.2. Response</p> <p>6.2.3. Send</p> <p>6.2.4. Airway</p> <p>6.2.5. Breathing</p> <p>6.2.6. Circulation</p> <p>6.2.7. Defibrillator and Disability</p> <p>6.2.8. Emergency Assembly Area</p> <p>6.2.9. Transport of a Worker to Medical Treatment</p> <p>6.2.10. Managing the Emergency Response</p> <p>6.3. Medical Emergency</p> <p>6.3.1. Medical Emergency Onsite</p> <p>6.3.2. Medical Emergency Offsite</p> <p>6.4. Electrical Emergencies</p> <p>6.4.1. Electrical Shock</p> <p>6.4.2. Power Lines Down</p> <p>6.4.3. Vehicle in Contact with a Power Line</p> <p>6.5. Mobile and Fixed Plant Emergencies</p> <p>6.5.1. Failure of Plant</p> <p>6.5.2. Motor Vehicle Accidents</p> <p>6.5.3. Vehicle Roll Over</p> <p>6.5.3.1. Motor Vehicle</p> <p>6.5.3.2. Forklift</p> <p>6.5.3.3. In the event a forklift starts to tip, the operator is to:</p> <p>6.5.3.4. Tractor and Loader</p> <p>6.5.3.5. Skid Steer</p> <p>6.5.3.6. Vehicle Recovery</p> <p>6.6. Working at Heights Emergencies</p> <p>6.6.1. Scaffold Instability or Collapse</p> <p>6.7. Fire Related Emergencies</p>
--	--

	<ul style="list-style-type: none"> <li>6.7.1. Fire Onsite</li> <li>6.7.2. Fire During Transit (Vehicle)</li> <li>6.7.3. Fire in a Waste Load</li> <li>6.7.4. Bushfire</li> <li>6.8. Explosion Related Emergencies <ul style="list-style-type: none"> <li>6.8.1. Explosion Onsite</li> <li>6.8.2. Explosion During Transit</li> </ul> </li> <li>6.9. Spills (Hazardous/Non-hazardous/Solid/ Liquid) Related Emergencies</li> <li>6.10. Hazardous Substances /Dangerous Goods in Waste Related Emergencies</li> <li>6.11. Landfill Related Emergencies <ul style="list-style-type: none"> <li>6.11.1. Leachate System Leak/Spill</li> <li>6.11.2. Gas Escape from Landfill Gas Collection System</li> <li>6.11.3. Fire in Landfill Cell</li> </ul> </li> <li>6.12. Severe Weather and External Related Emergencies <ul style="list-style-type: none"> <li>6.12.1. Storm - Dust/Hail/ High Wind/ Lightning</li> <li>6.12.2. Heatwave</li> <li>6.12.3. Cyclone</li> <li>6.12.4. Flood</li> <li>6.12.5. Earthquake</li> </ul> </li> <li>6.13. Threats to Personal Emergencies <ul style="list-style-type: none"> <li>6.13.1. Phone Threats Bomb/Chemical/Biological</li> <li>6.13.2. Threat by Mail or Other Communication</li> <li>6.13.3. Unarmed/Armed Intruder or Holdup</li> <li>6.13.4. Abusive and Threatening Behaviour</li> </ul> </li> <li>6.14. Neighbouring Site Related Emergencies</li> <li>7. Emergency Communications <ul style="list-style-type: none"> <li>7.1. Initial Communications</li> <li>7.2. Notification of Appropriate Authorities and Organisations</li> <li>7.3. Notification to Site Neighbours of Emergency</li> <li>7.4. Public Relations And Debriefing</li> </ul> </li> <li>8. Termination of Emergency Response <ul style="list-style-type: none"> <li>8.1. Restarting Facilities</li> <li>8.2. Health Assessment and Surveillance</li> <li>8.3. Statutory Investigation</li> <li>8.4. Internal Information Process</li> </ul> </li> <li>9. Definitions</li> <li>10. Appendices <ul style="list-style-type: none"> <li>Appendix A Fire Extinguisher Chart</li> </ul> </li> </ul>
--	---

	Appendix B Wetherill Park Resource & Recovery Facility Evacuation Diagram
--	---

## 1. Important Information

Premises Details	
Site Address:	20 Davis Rd, Wetherill Park NSW 2164
Nearest Cross Street:	Elizabeth St, Wetherill Park
Phone Number:	(02) 9609 3377
Building Type:	Fixed double storey administration building with transfer station / recycling plant & weighbridge
Occupancy:	10 staff members
Hours of Occupancy:	Sunday 10pm – Saturday 4pm
Unique Site Hazards:	Asbestos facility Confined spaces on site
Primary Evacuation Assembly Area:	Front gate to site
Secondary Evacuation Assembly Area:	N/A
Emergency Control Point:	N/A
Alternative Emergency Control Point:	N/A

## 2. Emergency Response Plan

### Facility Overview

Veolia Australia and New Zealand (Veolia) operates the Wetherill Park Resource and Recovery Facility which is located at 20 Davis Rd, Wetherill Park. Wetherill Park is a waste transfer and resource recovery facility, which is designed to accept and process up to 80,000 tonnes per annum and has been operating prior to 2001 under EPL 3070.

The site is licensed to accept the following materials:

- Virgin excavated natural material
- Putrescible waste
- Asbestos
- Building and demolition waste
- Glass, plastic, rubber, plasterboard, ceramics, bricks, concrete or metal
- Grit, sediment, litter and gross pollutants collected in, and removed from, stormwater treatment devices or stormwater management systems, that has been dewatered so that it does not contain free liquids
- Garden waste
- Non-putrescible vegetative waste from agriculture, silviculture or horticulture
- Paper or cardboard
- Household waste from municipal clean-up
- Waste collected by or on behalf of local councils from street sweeping
- Wood waste
- Asphalt waste (including asphalt resulting from road construction and waterproofing works)
- Non-chemical waste generated from manufacturing and services (including metal, timber, paper, ceramics, plastics, thermosets, and composites)

As per the licence, the authorised amount of waste permitted at Wetherill Park Resource and Recovery Facility cannot exceed 117 tonnes at any one time.

## 3. Activation of Emergency Response Plan

The events which trigger activation of the Emergency Response Plan (ERP) are incidents with the potential to:

- Affect the health and safety of workers or the general public;
- Cause adverse effects to the environment; and
- Cause damage to Veolia property.

It is important to appreciate the ERP may not always be activated in isolation, and may be activated in conjunction with other plans such as the Business Continuity Management Plan (BCM), Disaster Recovery Plan (DRP) and Crisis Management Plan (CMP), depending on the nature of the emergency situation and potential impacts on the business.

**Note:** Plans to specifically manage incidents which impact the ability to continue operational activities are known as Business Continuity Management Plans (BCMP); these are owned and managed by the site. Plans to deal with a critical IT service-delivery failure are known as Disaster Recovery Plans (DRPs); these are owned and managed by the corporate IT department. Plans to deal with a crisis (i.e. significant damage, serious injury, environmental harm or media attention) are called a Crisis Management Plan (CMP); these are owned and managed by the appropriate Line of Business (LoB) management.

## 4. Unplanned Scenarios

In the event of an unplanned emergency situation occurring not considered in this ERP, management will work with site emergency response workers i.e. Chief Warden/ Warden and SHEQ Team to determine an appropriate response plan.

On completion of the emergency response, the review and evaluation processes will be conducted and necessary changes enacted.

## 5. Emergency Response Plan Access, Testing, Evaluation, Review and Maintenance

### 5.1. Access

The latest approved version of the ERP is maintained on the Business Management System (BMS), and a hard copy is held onsite on the fire warden station board and staff lunch room located in the weighbridge. All site workers will be trained in this ERP when undertaking the site induction.

### 5.2. Testing

The ERP will as a minimum be tested annually in accordance with the [Emergency Management Procedure](#). Records of any testing conducted will be maintained

### 5.3. Review and Maintenance

#### 5.3.1. General

The ERP will as a minimum be reviewed or at least annually, and amended as required when any of the following occurs:

- Significant operational changes (e.g. addition of new processes to a work area which
- introduce new potential emergency situations);
- Significant new emergency risks identified; and
- On completion of an emergency response.

This will ensure the relevance, accuracy and effectiveness of the information provided.

#### 5.3.2. Post Emergency Response Plan Use, Evaluation and Review

After an emergency where the ERP is activated, the manager/supervisor shall ensure the incident is entered in Intellex, and coordinate an emergency response plan review involving key personnel from the site and other stakeholder groups involved in the management of the emergency.

The Emergency Response Plan use review shall be completed, and where opportunities for improvement or required changes are identified, corrective actions shall be documented, entered in RIVO and the ERP updated to reflect changes.

## 6. Governance, Roles and Responsibilities

Role	Responsibility
Managers/Supervisors	Managers and supervisors have the responsibility to: <ul style="list-style-type: none"><li>• Notify Chief Warden/Warden of emergency situation;</li></ul>

	<ul style="list-style-type: none"> <li>Follow instructions from the Chief Warden/Warden and assist to manage the emergency in accordance with the relevant site ERP;</li> <li>In the absence of Chief Warden/Warden contact emergency services if life or property is threatened;</li> <li>If significant damage, serious injury, environmental harm or media attention, notify senior management or LoB Crisis Management team as soon as possible;</li> <li>Manage all public/media/regulatory authorities in accordance with Crisis Management Plan (CMP);</li> <li>Take notes of relevant information and significant event times to assist in the investigation and reporting process;</li> <li>Ensure no fault, blame or speculation on the incident is made until a full investigation is undertaken;</li> <li>Ensure no media or other unauthorised person access the site of the emergency;</li> <li>Ensure no details of the emergency are released to anybody (other than emergency services) unless directed by senior management; and</li> <li>Ensure the incident is entered in RIVO.</li> </ul>
Employees(Workers)	<p>Employees have the responsibility to:</p> <ul style="list-style-type: none"> <li>Take immediate action to ensure own safety and the safety of others where safe to do so;</li> <li>Not take any action which places your safety or the safety of others at risk;</li> <li>Obtain assistance from others on site, never attempt to handle an emergency situation alone;</li> <li>Advise the senior person on the site of the emergency situation;</li> <li>Apply the relevant site ERP; and;</li> <li>In the event of an emergency, and in the absence of instructions, assemble at the site emergency assembly area.</li> </ul>
Site Emergency Personnel Chief Warden/ Deputy Warden	<p>Site Emergency Personnel Chief Warden or Deputy Warden, in the event of an emergency situation shall wear a white safety helmet with the wording Chief Warden printed across the front.</p> <p>On becoming aware of an emergency, shall take the following actions:</p> <ul style="list-style-type: none"> <li>Ascertain the nature of the emergency and determine appropriate action;</li> <li>Ensure appropriate emergency service has been notified;</li> <li>Ensure Fire wardens (where applicable) are advised of the situation;</li> <li>If necessary, initiate evacuation and controlled entry to affected areas;</li> <li>Ensure progress of the evacuation and any action taken is recorded in an incident log; and</li> <li>Brief the emergency services personnel upon arrival on type, scope and location of the emergency and status of the evacuation and, thereafter, act on the emergency services instructions.</li> </ul>
Warden	<p>The Warden in the event of an emergency situation shall wear a red safety helmet with the wording Warden printed across the front.</p> <p>On hearing an alarm or on becoming aware of an emergency, the Warden shall take the following actions:</p> <ul style="list-style-type: none"> <li>Implement the emergency procedures for the work area;</li> <li>Ensure the appropriate emergency service has been notified;</li> <li>Check or direct a responsible persons to check the work areas for any abnormal situation;</li> <li>Establish a safe exit and commence evacuation if the circumstances in the work site warrant this;</li> <li>Check to ensure fire doors and smoke doors are properly closed;</li> <li>Search the work area to ensure all personnel have been evacuated;</li> <li>Ensure orderly flow of persons into protected areas, e.g. stairwells;</li> <li>Assist persons with disabilities;</li> <li>Act as a leader of groups moving to nominated assembly areas;</li> </ul>

	<ul style="list-style-type: none"><li>• Communicate with the Chief Warden by whatever means available and act on instructions;</li><li>• Advise the Chief Warden as soon as possible of the circumstances and action taken;</li><li>• Co-opt persons as required to assist during an emergency; and</li><li>• Operate the intercommunication system.</li></ul>
First Aid Officers	<p>First Aid Officers in the event of an emergency situation wear a green safety helmet with the wording First Aid Officer printed across the front. On hearing an alarm or on becoming aware of an emergency, shall take the following actions:</p> <ul style="list-style-type: none"><li>• Take the portable first aid kit and follow the instructions of a warden;</li><li>• Render medical assistance and guidance within their ability, training and scope; and</li><li>• Determine whether an emergency ambulance should be utilised.</li></ul>

## 7. Emergency Response

(The following listing can be added to or deleted as relevant to the site)

### 7.1. General Emergency Response Requirements for all Situations

In the event of any emergency situation the following steps shall always be followed in the first instance, regardless of the nature of the emergency situation.

#### 7.1.1. Danger

Consider the immediate safety of yourself and other personnel in the vicinity. Where possible and **only where safe to do so**, make the situation safe by immediately eliminating or isolating the hazard.

#### 7.1.2. Send for Help

Obtain assistance through whatever means possible i.e. yelling out, activating manual emergency call points, phone, radio, alarm systems. Once you have assistance, provide the person with the following details:

- Who you are i.e. name, position;
- Nature of emergency;
- Where you are;
- List hazardous situations;
- Number of people involved; and
- What you need – i.e. first aid, immediate assistance by site personnel, emergency services (fire, ambulance, police).

Confirm the person you are speaking to understands the situation and what you need them to do by asking them to repeat back the information.

##### 7.1.2.1. Contacting Emergency Services Phone '000' (Australia) or '111' (New Zealand)

In the event emergency services are required, phone '000' or '111'. If there is no access to a landline, dial 112 from a mobile phone. Advise the emergency services operator state you are in (i.e. NSW) and the service you require (fire, ambulance, police). You will be connected to the required section. You will need to provide the next operator with the following information:

- Exact location and address; and
- Nature of emergency situation i.e. person trapped in a rolled over vehicle who is unconscious and bleeding.



#### **7.1.2.2. Site Emergency Contacts**

The Incident Management team, workers and other external agencies who have a responsibility or shall be notified in the event of an emergency situation are listed on the Site's Emergency Contacts in the main office and weighbridge.

#### **7.1.2.3. Notify Management and SHEQ Unit**

Once immediate assistance is obtained, notification shall be made to the manager/supervisor of the emergency. The manager/supervisor will ensure plan is enacted where appropriate, and notification is made as soon as practicable to the following:

- Site emergency personnel i.e. Chief Warden/Warden/First Aid Officer;
- Senior Manager;
- Group SHEQ Manager; and
- SHEQ Team.

### **7.2. Danger Response Send Airway Breathing Circulation and Defibrillator and Disability (DRS ABCD)**

If the event you're the first person to respond to an emergency situation where there is a casualty(s) use the [DRSABCD action plan](#) to assess and manage the casualty(s). In the event there are multiple casualties the unconscious casualty should be given priority.

The [DRSABCD action plan](#) Action Plan:

#### **7.2.1. Danger**

Do not put yourself at risk, and where possible and safe to do so, remove the casualty from any immediate dangers.

#### **7.2.2. Response**

- Check for a response (if unresponsive) – use voice, touch, and pain stimuli (in that order);
- If responsive ask the casualty what the nature of their medical emergency is and take appropriate action;
- If the casualty is suffering from a known medical condition, ask if they have a management plan i.e. asthma, diabetes or have medications you can get for them; and
- With all casualties, regardless of conscious state, talk calmly and reassuringly and tell them what you are doing.

#### **7.2.3. Send**

Send for help (refer to Contacting Emergency Services phone '000'). Appoint a worker to meet the ambulance.

#### **7.2.4. Airway**

- Is the casualty talking or responding to you? If yes, the airway is clear move to Breathing; and
- If no, the casualty is unconscious, open the airway by slightly tilting the head back and check for visible obstructions in the mouth. Never place fingers or materials which could break in the mouth of an unconscious person.

#### **7.2.5. Breathing**

- Check if the casualty is breathing and consider if the breathing is normal. If yes, move to Defibrillation and Disability;
- If no, consider the quality and quantity of the breaths being made i.e. depth (shallow, deep), noise (gurgling, wheeze, stridor), too little: (<10 is not enough breaths per minute), too many: (>30-40 ineffective breaths); and

- What is the casualty's appearance (blue, red, pale, sweaty, distressed, anxious, gasping, clutching throat)?

### **7.2.6. Circulation**

- In the case of an unconscious casualty who has failed the breathing assessment, start Cardiopulmonary Resuscitation (CPR) by giving 30 compressions followed by 2 breaths;
- When providing 30 compressions (at approximately 100/min) and giving 2 breaths (each given over 1 second), this should result in the delivery of five cycles in approximately two minutes;
- If you are unwilling or unable to apply rescue breathing you should do continuous chest compressions without any pause at a rate of approximately 100/min; and
- If there is another person available who is able to assist in CPR until emergency services arrive, take turns delivering CPR by swapping every 2 minute cycle, as the effectiveness of CPR delivery substantially decreases with fatigue. When swapping, reduce the amount of time "off the chest" as much as possible.

### **7.2.7. Defibrillator and Disability**

#### Not Breathing (Defibrillation)

- If the unconscious casualty has failed the breathing assessment and is under CPR, attach an Automated External Defibrillator (AED) as soon as possible (where available) and follow the prompts. If a second person is present have them attach the pads whilst you continue CPR; and
- continue CPR until the casualty regains responsiveness or commences normal breathing (between 10-20 breaths per minute).

#### Breathing (Disability)

- If the unconscious casualty is breathing assess their disability;
- Disability refers to different aspects which consider the casualty's ability to function normally;
- Do they only open their eyes when you talk or touch them or provide a painful stimulus? Or do they not open their eyes at all? Are they sleepy?;
- When talking are they oriented to time, place and person? Or are they confused? Are the words inappropriate or incomprehensible? Do they just make noises? Or are they not making any noise at all?;
- In regards to movement, can they follow an instruction such as squeeze my hand? Are they combative? Do they withdraw from touch or painful stimuli? Do they do purposeful movements? Are they in fixed posture or positions? Or is there no muscle tone or movement at all?;
- After doing DRS ABCD treat any other injuries i.e. cuts, burns, broken limbs;
- Stay with the casualty until further medical assistance arrives; and
- Always keep constant watch on the casualty, and continuously reassess their response, airway, breathing, circulation and disability as it can quickly alter.

### **7.2.8. Emergency Assembly Area**

In the event of a site emergency, and in the absence of specific instructions from the Chief Warden/Warden/manager/supervisor, all site personnel will gather at the Site Emergency Assembly Area and await further instructions from emergency services or Veolia management. Refer to [Appendix B](#) Wetherill Park Resource & Recovery Facility Evacuation Diagram.

### **7.2.9. Transport of a Worker to Medical Treatment**

In the case of an injury to a worker, a first aid officer will determine whether there is a need to be transported via an emergency ambulance or whether the worker can be transported through other means arranged by Veolia. Where there is any doubt whether a worker is in a safe condition to be transported by means arranged by Veolia, an emergency ambulance should be engaged.

Where transportation is arranged by Veolia, a private ambulance service with qualified ambulance staff will be engaged to transport the worker to an appropriate medical facility. The worker's manager/supervisor will follow in a separate vehicle.

### 7.2.10. Managing the Emergency Response

- When the relevant emergency service arrives, Chief Warden/Warden/Manager/Supervisor/ worker should hand over control of the site and remain on hand to provide information and access, as required; and
- In most emergency situations it is expected the emergency response will be coordinated from the <enter area i.e. Office>. If safe to do so, the Chief Warden/Warden should remain in attendance throughout the emergency to provide information and assistance to the attending emergency service.

## 7.3. Medical Emergency

### 7.3.1. Medical Emergency Onsite

- Raise the alarm and gain attention by whatever means possible;
- Where possible notify site manager/supervisor; and
- Implement [DRSABCD](#).

### 7.3.2. Medical Emergency Offsite

- Raise the alarm and gain attention by whatever means possible;
- Where possible notify the manager/supervisor;
- Implement [DRSABCD](#); and
- The manager/supervisor will arrange for emergency medical services to attend the scene if necessary or arrange for retrieval of the worker and medical treatment through normal processes.

## 7.4. Electrical Emergencies

### 7.4.1. Electrical Shock

Electric shock occurs upon contact of a body part with a source of electricity which causes sufficient current to pass from the source through the skin, muscles or hair. Depending on the severity and length of the shock, injuries can include:

- Burns to the skin;
- Burns to internal tissues; and
- Electrical interference or damage (or both) to the heart, which could cause the heart to stop (cardiac arrest) or beat erratically (fibrillation or tachycardia).

Upon being notified of a person who has suffered an electric shock or discovering a person who has been shocked by electricity the appropriate first aid procedures, which may include [DRSABCD](#).

### Medical Review

Regardless of the size of the electric shock received, all workers who receive an electric shock shall immediately attend an emergency medical facility for review. Electric shock has the potential ability to change electrical impulses of the heart and cause it to stop beating or beat erratically immediately, or some time later, even hours after the event. These changes in heartbeat may not be apparent to the casualty i.e. stating they feel fine. These types of changes can only be detected with specialist cardiac monitoring equipment, and hence the requirement for a medical review to rule out any such damage.

### 7.4.2. Power Lines Down

In the event that a worker identifies a power line coming down or already down, the following steps are to be followed:

- Danger: The worker is to ensure they remain outside of an 8 metre radius of the downed line, and ensure anyone in the immediate area is notified of the imminent danger. The area should be barricaded off to ensure no persons/vehicles can approach the fallen power lines. The area should remain under supervision to ensure no one enters the area until power company authorities attend and take control of the incident scene;
- Send for help: the worker is to notify Endeavour Energy 131 003 / or your local emergency number 000 and refer to Medical Emergencies if there are any injuries. The worker should contact their manager/supervisor and advise them of the situation; and
- Re-entry to the area and removal of any barricades shall only be done under instruction from the power company, once they have declared the area safe.

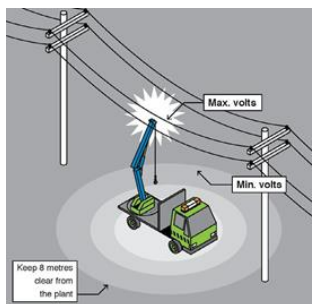
### 7.4.3. Vehicle in Contact with a Power Line

When a vehicle or mobile plant comes into contact with overhead power lines or a flashover occurs between a power line and the vehicle/mobile plant, the body and frame of the vehicle/mobile plant could become live. This would cause electricity to flow from the vehicle/mobile plant to the ground, forming a voltage gradient or rings of different voltages on the surface of the ground, moving out from the vehicle or equipment and reducing as the distance increases.

If the driver/operator was to touch the ground and the body of the vehicle/mobile plant at the same time they could receive a severe electric shock. If they were to simply run or walk away from the vehicle/equipment, their legs may bridge the voltage gradient from a higher voltage ring to a lower voltage ring which could also result in severe electric shock.

Where contact is made with an overhead power line or a flashover occurs between an overhead electric line and a vehicle, mobile plant or equipment the following actions shall be taken:

- The driver/operator of the vehicle, mobile plant or equipment shall remain inside the cab of the vehicle mobile plant, if safe to do so. The motor should be shut off and the vehicle/mobile plant secured. Windows can be opened to allow ventilation into the cab;
- The driver/operator shall immediately phone Emergency Services (000) and advise of the emergency situation. The driver/operator should also phone the supervisor and advise of the emergency situation;
- Emergency Services will contact the local Electricity Supply Authority who will isolate the electricity supply to the energised overhead electric line;
- The driver/operator should remain in the cab of the vehicle/mobile plant until the electricity has been isolated and the all clear has been given by the Electricity Supply Authority at the scene of the incident;
- If it is essential for the driver/operator to leave the cab because of fire or other life threatening reason, they shall jump from the cab, landing well clear of the vehicle/mobile plant with both feet together. They shall not touch any part of the vehicle/mobile plant and the ground at the same time;
- When moving away from the vehicle/mobile plant, the driver/operator shall hop or shuffle away from the mobile plant or heavy vehicle with both feet together until at least 8 metres from the nearest part of the vehicle/mobile plant. Under no circumstances are they to run or walk from the crane or mobile plant as the voltage gradient on the surface of the ground may cause electricity to pass through the body resulting in electric shock; and
- All other people and members of the public shall be kept at least 8 metres away from the vehicle or mobile plant (see figure below). Do not allow people to approach or re-enter the vehicle/mobile plant until the Electricity Supply Authority has determined the site is safe. Remember electricity flows through the ground, so an electric shock could be received from walking close to the scene.



## 7.5. Mobile and Fixed Plant Emergencies

### 7.5.1. Failure of Plant

- Stop what you are doing;
- Activate emergency stops and turn off equipment where safe to do so;
- Check surrounding area for danger to yourself and others working in the vicinity;
- Notify manager/supervisor immediately, they will arrange for plant isolation; and
- Do not attempt to reuse the plant until such time as the manager/supervisor gives instruction the plant is safe for use.

### 7.5.2. Motor Vehicle Accidents

Refer to the [Motor Accident Procedure](#).

### 7.5.3. Vehicle Roll Over

#### 7.5.3.1. Motor Vehicle

- If a vehicle roll over occurs, exit the vehicle where safe to do so;
- Raise the alarm and gain attention by whatever means possible;
- Where possible notify your site manager/supervisor; and
- Implement DRS ABCD.

#### 7.5.3.2. Forklift

#### 7.5.3.3. In the event a forklift starts to tip, the operator is to:

- Stay in the cabin;
- Ensure seat belt is engaged;
- Brace themselves with their feet pressing down and their arms pushing them back into the seat;
- Stay with the forklift and lean in the opposite direction to the direction of tipping;

Note: Jumping from an overturning forklift often results in serious injury or death.

- Raise the alarm and gain attention by whatever means possible;
- Where possible notify your site manager/supervisor; and
- Implement [DRS ABCD](#).

#### 7.5.3.4. Yellow Gear

- Select Civil – Peter Bill: 0409 480 087

#### 7.5.3.5. Skid Steer

- Maintenance Supervisor - Colin Murimwa-Rarami: 0419 753 197

#### **7.5.3.6. Forklift**

- Coastes Hire: (02) 9756 6899

#### **7.5.3.7. Vehicle Recovery**

- Contact the manager supervisor who will arrange to contact the Group Manager to determine the most appropriate means for recovering the vehicle
- Stay near the vehicle (maintaining a safe distance) until help arrives.

### **7.6. Working at Heights Emergencies**

A fall from any height, even ground level, is capable of inflicting a life threatening injury. If the worker has fallen and has back, neck or other distracting injuries i.e. pain in another limb, minimise all movement and encourage the casualty to hold as still as possible until medical assistance arrives. Only ever move the casualty if in immediate danger (i.e. falling objects, risk of being struck).

Where a worker falls and is not undertaking a task is considered working at heights, implement [DRS ABCD](#).

Where a worker falls and is undertaking a task that is considered working at heights, refer to the SOP023 Working at Heights procedure for more details.

### **7.7. Fire Related Emergencies**

#### **7.7.1. Fire Onsite**

Upon hearing the emergency alarm or discovering a fire, alert the Chief Warden/Warden and take the following action:

- R – Remove people from the immediate vicinity of the fire;
- A – Alert the fire service by following Contacting Emergency Services Phone '000' or by operating the nearest manual call point [break glass alarm];
- C – Confine the fire and smoke by closing doors and windows in the affected area if safe to do so; and
- E – Extinguish or control the fire if trained and only if safe to do so.

Always obey the instructions of the warden(s) or emergency services, and if required to evacuate, proceed directly to your nominated emergency assembly area and remain there for further instruction. The site's emergency assembly area is identified in Appendix B Wetherill Park Resource & Recovery Facility Evacuation Diagram.

#### **7.7.2. Fire During Transit (Vehicle)**

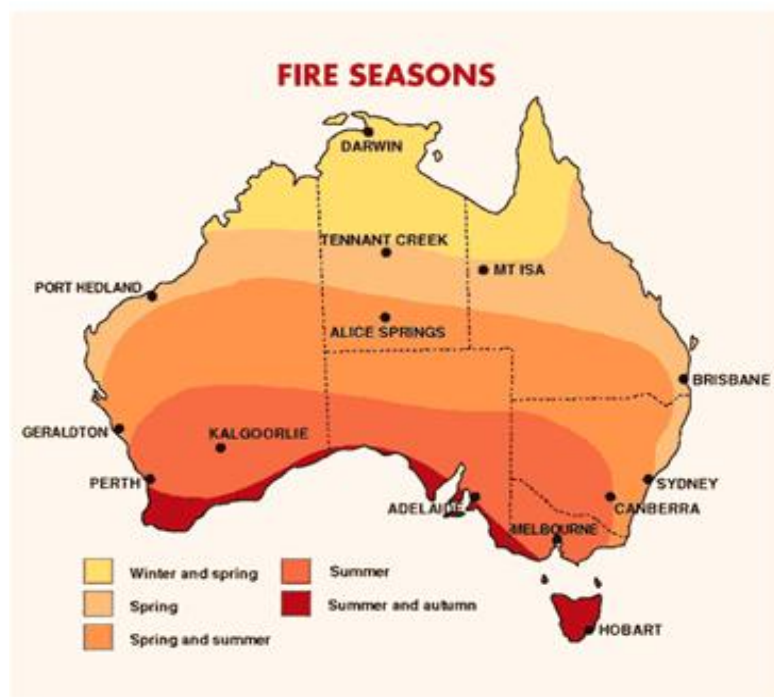
- When a fire is observed during transit the driver is to stop the vehicle and park in a safe area, away from storm water drains where possible;
- Driver is to call fire service by following Contacting Emergency Services Phone 000;
- Where provided, the driver is to set-up emergency triangles or witches hats to warn others of the emergency and to avoid additional accidents if on a public road;
- The driver shall notify their manager/supervisor immediately of the emergency;
- Where provided, and if safe and practical to do so, the driver should use the fire extinguishers on the vehicle in an effort to suppress the fire; Where spill kits are provided, storm water drains should be protected/ blocked off with gravel socks/absorbent booms or otherwise to prevent potential ingress of fire water/waste/liquid;
- Where necessary the manager/supervisor is to arrange transportation of the worker back to site, and if involving a Veolia owned vehicle, request the Veolia Workshop to arrange transportation of the vehicle (refer to Vehicle Recovery);
- Emergency Contact List shall be available in all Veolia owned vehicles and vehicles used for company purposes; and
- Also refer to Appendix A – Fire Extinguisher Chart for details on the appropriate extinguisher for those trained in their use.

### 7.7.3. Fire in a Waste Load

Refer to Fire in a Waste Collection Vehicle

### 7.7.4. Bushfire

- Raise the alarm and obtain assistance if required;
- If required contact emergency services by following Contacting Emergency Services Phone 000;
- Immediately notify the Chief Warden/Warden and manager/supervisor of the situation;
- Restrict entry to the site by shutting the gate and manning with a worker
- Chief Warden and manager/supervisor will delegate workers to check and evacuate site work areas of any visitors to the site;
- If safe to do so and time permitting, relocate plant and equipment to <insert details i.e. you may name a location and activate the fire suppression system or you may detail to move plant and equipment to clear ground>. Manager/supervisor is to secure office;
- Workers are to assemble at the emergency assembly area and await further instruction from the Chief Warden/Warden and manager/supervisor (refer to Appendix D <enter site name> Evacuation Diagram);
- If the bush fire comes within a 5km radius of the worksite, all workers and where possible, plant and equipment is to be evacuated from the site. Where this occurs the Senior Manager and SHEQ Manager and/or SHEQ team shall be advised of the situation as soon as practicable , and evacuate were safe to do so; And
- During the fire season (as detailed on the map below) the manager/supervisor is required to review the Bureau of Meteorology website each morning for fire weather warnings (<http://www.bom.gov.au/australia/warnings/index.shtml>). Where weather conditions are advised as catastrophic the site is to be closed to visitors and all workers advised of the potential for a bushfire. On catastrophic days the manager/supervisor is encouraged to regularly check the website for updates or listen to reports through local mediums i.e. radio, as weather warnings may be upgraded or downgraded as conditions change.





## **7.8. Explosion Related Emergencies**

### **7.8.1. Explosion Onsite**

- Immediately notify the Chief Warden/Warden and manager/supervisor of the situation.
- If required contact emergency services by following Contacting Emergency Services Phone 000;
- Provide information in relation to: type of emergency, location of emergency, number of people injured;
- Remove people from immediate danger, restrict access to the affected area
- Prepare for site evacuation; and
- If the explosion has caused the release of liquids on site, protect storm water drains and enact spill response processes.

### **7.8.2. Explosion During Transit**

- If an explosion occurs during transit from the load carried and catches alight refer to Fire in a Waste Load; and
- If an explosion occurs during transit and the vehicle catches alight refer to Fire During Transit (Vehicle).

## **7.9. Spills (Hazardous/Non-hazardous/Solid/ Liquid) Related Emergencies**

- Refer to Chemical and Hazardous Materials Management; and
- If the spill is considered to present a significant risk to people, take immediate action to remove all people from the area and remain up-wind and uphill of the spill.

## **7.10. Hazardous Substances /Dangerous Goods in Waste Related Emergencies**

- On discovery of an intact container or drum in the waste, assess the likelihood of it containing a hazardous substance or dangerous good. Consider the following:
  - Is the container intact and sealed with a lid?;
  - Is the container large or small?;
  - Does it show hazard labels or markings?; and
  - Does its weight indicate it is full, part full or empty?
- If the container is considered potentially hazardous or dangerous, stop all activity in the immediate area;
- If necessary request assistance from other site operators;
- Advise the manager/supervisor of the situation;
- Wearing gloves and eye protection inspect the container, carefully check for leaking substances before handling;
- If the container is sound, transfer it to an appropriate and safe storage location;
- Do not open a container to check its contents. If there is a label on the container use this to assist with identification;
- The manager/supervisor will arrange for prompt removal and safe disposal; and
- If the container is damaged or there is evidence of a leak, apply Chemical and Hazardous Materials Management (refer to Spills (hazardous/ non-hazardous/ solid/ liquid) related emergencies).



## **7.11. Severe Weather and External Related Emergencies**

### **7.11.1. Storm - Dust/Hail/ High Wind/ Lightning**

- Refer to the appropriate Severe Weather Procedure

### **7.11.2. Heatwave**

A heatwave is defined by the Australian Bureau of Meteorology (BOM) as 3 days or more of high maximum and minimum temperatures unusual for the location. During long heatwaves it is easy for workers to become dehydrated and for the body to become overheated. If this happens, medical conditions such as heat cramps, heat exhaustion or even heat stroke may develop.

Where a heatwave is declared by the BOM (Weather Warnings) the following steps should be implemented to reduce any potential risk:

- Workers who are exposed to outdoor work in a heatwave, or work in areas that subject them to high temperatures for long periods of time should be trained on the common health effects of heat related medical conditions;
- Workers should be monitored by a manager/supervisor for heat related medical conditions;
- Workers should wear lightweight, light coloured, loose, porous natural fibre clothes;
- Workers should drink plenty of water (preferably chilled), even if not thirsty and avoid caffeine;
- Work should be programmed to avoid strenuous activity, where this can not be achieved, work should be programmed in the early morning and late afternoon/evening, in a shaded area to avoid the hottest parts of the day;
- Workers conducting strenuous activity should be rotated regularly, or where not possible afforded regular breaks in air-conditioned areas (buildings, vehicles, cool down rooms); and
- Workers should avoid direct sunlight by performing work in shaded areas, wearing a hat (broad brim or legionnaires), long sleeves, long pants, and wearing sunscreen.

### **7.11.3. Cyclone**

Refer to the appropriate Severe Weather Procedure

### **7.11.4. Flood**

- <Obtain a copy of Flood Plan from local council, or a topographical map to understand whether site is at risk, if the site is at risk complete the following>;
- Raise the alarm and obtain assistance if required;
- Immediately notify the chief warden/warden/manager/supervisor of the situation;
- Where safe to do so, move vehicles and equipment to <insert details i.e. your closest high ground where it would be safe to leave vehicle/ plant>;
- Raise <insert details of items that if water threatens your workplace you would lifted above the potential water damage i.e. furniture, servers>; and
- Evacuate all workers from the site, ensuring no one drives, swims or wades in the flood waters.

### **7.11.5. Earthquake**

- Raise the alarm and obtain assistance if required;
- Immediately notify the chief warden/ warden/manager/supervisor of the situation;
- If indoors, stay there;
- Seek shelter under a door frame, table or bench;
- If outdoors, keep well clear of buildings and other structures, power lines, trees, etc.;
- If in a vehicle, stop in an open area and listen to your car radio for advice;
- Do not use elevators or lifts; and

- Stay vigilant: expect aftershocks; keep your radio tuned to local media; watch for hazards and check for injuries or damage; turn off electricity, gas and water; only use telephones in an emergency; avoid driving unless for an emergency.

## **7.12. Threats to Personal Emergencies**

### **7.12.1. Phone Threats Bomb/Chemical/Biological**

For any threatening phone calls received, i.e. is bomb threats, chemical/biological threats:

- Keep the caller on the line for as long as possible;
- Obtain as much information from the caller as possible;
- Converse with the caller in a friendly manner, do not antagonise;
- Refer to the Bomb Threat Checklist asking as many questions as possible;
- Do not hang up even though the caller may have terminated the call;
- Attempt to attract another person's attention, indicate to them a bomb threat has been received;
- Advise the chief warden/warden as soon as possible who will contact the Police; and
- Follow instructions of the warden.

### **7.12.2. Threat by Mail or Other Communication**

- Advise the chief warden/warden immediately;
- If a suspect item is discovered, do not touch;
- Discreetly ask people to leave the immediate area; and
- Prevent people from entering the area.

### **7.12.3. Unarmed/Armed Intruder or Holdup**

Remember CODE A

- **Calm** – Try to remain calm;
- **Obey** – Obey offenders instructions, let the offender know you are doing what they ask; Make no sudden movements;
- **Description** – try to picture offender and any weapons;
- **Evidence** – Secure scene, touch nothing the offender may have touched; and
- **Alarm** – activate alarm and call police when safe

If the situation warrants such action, contact the Police, dial 000 and provide the following information:

- Your name and location;
- The exact nature of the emergency;
- Any other relevant information, which may be of use to them; and
- Preserve the scene of the crime, do not disturb the area.

### **7.12.4. Abusive and Threatening Behaviour**

- Do not volunteer any information;
- If you cannot retreat, remain where you are until help arrives; and
- Record your observations quickly, i.e. description of the offender including: facial description, speech mannerisms, height, tattoos, jewellery, weapons used, motor vehicle used, registration number if possible, direction of travel.

## **7.13. Neighbouring Site Related Emergencies**

If an emergency occurs at a neighbouring site:

- Attempt to contact the neighbouring site;
- If the neighbouring site can not be contacted or has not notified Veolia Wetherill Park Resource & Recovery Facility of the emergency either directly or via the authorities, then the manager/supervisor (or other nominated person) will contact the emergency services to advise of the emergency;
- Manager/supervisor is to notify the chief warden/warden of situation;
- Chief warden/warden is activate or put on standby emergency response plan; and
- Where necessary notify other neighbouring sites of the emergency.

## **8. Emergency Communications**

### **8.1. Initial Communications**

Refer to the following sections:

- Contacting Emergency Services Phone 000;
- Site Emergency Contacts; and
- Notify management and SHEQ team

### **8.2. Notification of Appropriate Authorities and Organisations**

The Manager/supervisor shall be responsible for notifying appropriate regulatory authorities and organisations.

### **8.3. Notification to Site Neighbours of Emergency**

If an emergency occurs at a Veolia site which may impact on the neighbouring operations the neighbours listed in Appendix C Site neighbours are to be notified as appropriate. The Senior Manager where necessary shall be responsible for notifying appropriate organisations and neighbouring properties etc., who may not have been notified during the emergency.

### **8.4. Public Relations And Debriefing**

No site worker is to communicate with any member of the media or public. Any external requests for information relating to the emergency from sources, other than local regulators or emergency services personnel will be directed to the Wetherill Park Resource & Recovery Facility Senior Manager. The Marketing and Communications team will prepare press releases or debriefings for neighbouring properties as required.

## **9. Termination of Emergency Response**

Following any emergency situation, the decision to return to normal operations will be made by the National SHEQ Manager), in consultation with site management and the attending emergency services.

### **9.1. Restarting Facilities**

Before operations can be restarted after an emergency, the Senior Manager for the site will confirm, using external resources if necessary, all equipment affected by the emergency has been inspected and is in a safe condition to restart operations.

### **9.2. Health Assessment and Surveillance**

Depending upon the nature of the emergency, products released, combustion products, environmental conditions at the time (i.e. wind direction, etc.), contaminated material etc., an evaluation should be made and documented by the Senior Manager in consultation with emergency services, doctors, and other medical specialists to determine if an initial health assessment and ongoing surveillance is required for persons who may have been at risk of exposure during the emergency.

### 9.3. Statutory Investigation

Depending on the nature and effects of the emergency, there may be a statutory investigation. Relevant government authorities may also require investigations. All requests for information or interviews shall be referred to the SHEQ Gmr, who will coordinate the release of required information.

A listing of all personnel onsite at the time of the incident is extremely important should an investigation follow. The visitors register and the result of any headcount should be retained.

### 9.4. Internal Information Process

For any incident the manager/supervisor shall complete a report in Intelex as soon as practicable. Depending on the scale of the incident the manager/supervisor is responsible for either completing or co-ordinating the investigation.

There is generally a requirement in insurance policies to report accidents, loss or potential loss events to the business's insurer. The manager/supervisor is responsible for ensuring this report is completed.

## 10. Definitions

See definitions in the [BMS Dictionary](#) - Only definitions directly pertaining to this document are included.





























































Subject	Definition
Appropriate Medical facility	In a non-emergency situation this will be the site's preferred medical provider.
Emergency	Emergency is defined as a sudden, urgent, and usually unexpected event or occurrence which threatens the safety or well being of workers, other stakeholders, and the environment and requires immediate action
Emergency Response Plan (ERP)	The written documentation of the emergency arrangements for a site generally made during the planning process. It consists of the preparedness, prevention and response activities and includes the agreed emergency roles, responsibilities, strategies, systems and arrangements.
Worker	A person is a worker if the person carries out work in any capacity for Veolia, including work as: <ul style="list-style-type: none"><li>• Employee;</li><li>• Contractor or subcontractor;</li><li>• a worker of a contractor or subcontractor;</li><li>• a worker of a labour hire company who has been assigned to work in the person's business or undertaking;</li><li>• Outworker</li><li>• Apprentice or trainee;</li><li>• Student gaining work experience; and</li><li>• Volunteer</li></ul>
<a href="#">DRSABCD</a>	Resuscitation - <b>D</b> - Danger <b>R</b> - Response <b>S</b> - Send for Help <b>A</b> - Airway <b>B</b> - Breathing <b>C</b> - CPR

	<b>D</b> - Defibrillation
--	---------------------------

11. Appendices

## Appendix A Fire Extinguisher Chart

### AS 2444-2001 Australian Standard Portable Fire Extinguishers and Fire Blankets – Selection and Location

Type of extinguisher		Type of Fire, Class and Suitability							Comments (Refer Appendix B)	
Colour scheme		Extinguishant	A	B	C	E	F	D**		
AS/NZS1841 -1997	AS1841 -1992		Wood, paper, plastics,etc	Flammable liquids	Flammable gases	Energized electrical equipment	Cooking oils and fats	Metal fires		
		Water							Dangerous if used on flammable liquid, energized electrical equipment and cooking oil/fat fires	
		Wet Chemical							Dangerous if used on energized electrical equipment	
		Foam***					 LIMITED*		Dangerous if used on energized electrical equipment.	
		Powder	ABE							Special powders are available specifically for various types of metal fires (see **).
			BE							
		Carbon Dioxide							Generally not suitable for outdoor use. Suitable only for small fires.	
		Vaporizing Liquid							Check the characteristics of the specific extinguishant.	
		Fire Blanket								

\* Limited indicates that the extinguishant is not the agent of choice for the class of fire, but that it will have a limited extinguishing capability.

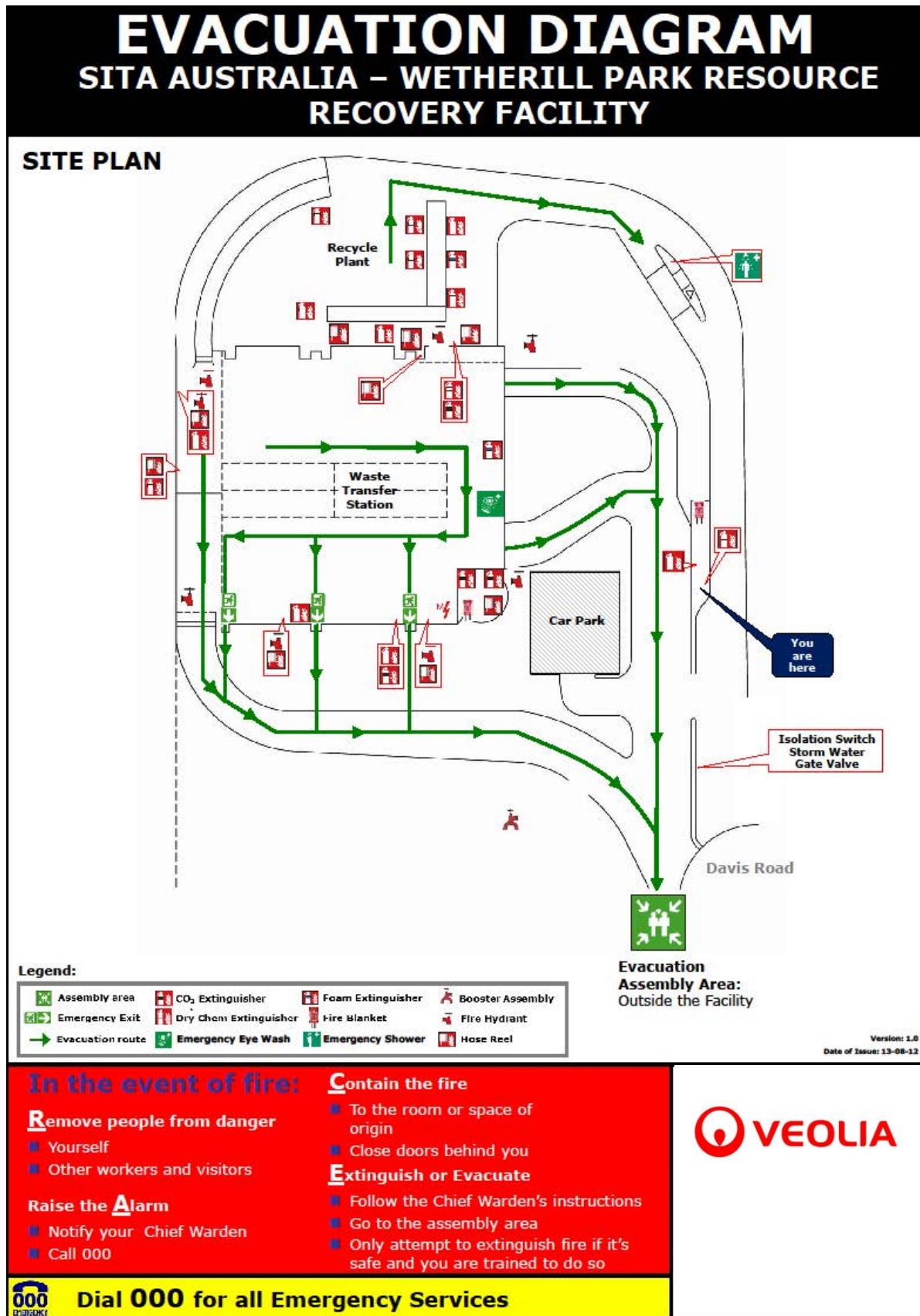
\*\* Class D fires (involving combustible metals). Use only special purpose extinguishers and seek expert advice.

\*\*\* Solvents which may mix with water, e.g. alcohol and acetone, are known as polar solvents and require special foam. These solvents break down conventional AFFF.

FIGURE A1 PORTABLE FIRE EXTINGUISHER/FIRE BLANKET SELECTION CHART



## Appendix B Wetherill Park Resource & Recovery Facility Evacuation Diagram



## Appendix C - Notifiable Incidents to SafeWork (NSW)

SafeWork requires notification of serious injuries immediately. Only EQS Managers and Site Managers are permitted to contact SafeWork. Other Senior Managers may be authorised to respond, as appropriate.

### WHICH INJURIES ARE NOTIFIABLE?

#### 1. Serious workplace injuries

- Death
- Medical treatments within 48 hours of exposure to a substance
- Immediate treatment as an in-patient in a hospital
- Immediate medical treatment for:
  - Amputation
  - Serious head injury
  - Serious eye injury
  - Separation of skin from underlying tissue (e.g. de-gloving, scalping)
  - Electric shock
  - Spinal injury
  - Loss of body function (including loss of consciousness)
  - Serious laceration

#### 2. Incidents involving certain equipment

- Collapse, overturning, failure or malfunction of, or damage to certain items of plant
- Collapse or failure of an excavation or the shoring support of an excavation

#### 3. Other incidents that seriously endanger the health and safety of people in the immediate vicinity

- Collapse or partial collapse of a building or structure
- Implosion, explosion or fire
- Escape, spillage or leakage of substances (under the Dangerous Goods Act 1985)
- Objects of substance falling from a height



## HOW DO I NOTIFY SafeWork?

### 1. Incidents involving injury or illness to WORKERS

**SERIOUS INCIDENT:**  
Fatalities, serious injury  
or illness



Notify SafeWork IMMEDIATELY at **13 10 50** and  
notify your Workers Compensation insurer within  
48 hours

**INCIDENT:**  
Injury/illness where  
Workers Compensation  
is required



Notify your Workers Compensation insurer within  
48 hours

### 2. Incidents involving injury or illness to NON-WORKERS (e.g. visitors)

**SERIOUS INCIDENT:**  
Fatalities, serious injury  
or illness



Notify SafeWork IMMEDIATELY at **13 10 50** and  
notify SafeWork within **7 days** to make a full report  
using the online form at  
<http://www.safework.nsw.gov.au/> or call **13 10 50**

**INCIDENT:**  
Injury/illness resulting in  
the non-worker being off  
work or unable to  
perform their normal  
duties for 7 or more  
.



Notify SafeWork within 7 days using the online  
form at [www.safework.nsw.gov.au](http://www.safework.nsw.gov.au) or call **13  
10 50**

### 3. Other incidents that seriously endanger the health and safety of people in the immediate vicinity

**SERIOUS INCIDENT:**  
Life threatening  
incidents that do not  
result in injury or illness  
(e.g. collapse of plant)



Notify SafeWork IMMEDIATELY at **13 10 50** and  
notify SafeWork within **7 days** to make a full report  
using the online form at [www.safework.nsw.gov.au](http://www.safework.nsw.gov.au)  
or call **13 10 50**

**NOTE:** Always ensure the incident scene is not disturbed until an inspector arrives. Sites can only be disturbed to protect a person's health or safety, help someone who is injured or to make the site safe.

### **Licensed Premises:**

In the event an incident has caused or threatened material or serious environmental harm, refer to the site specific 'Pollution Incident Response Management Plan' (PIRMP) Located on the Environment, Quality and Safety System (BMS) for detailed instructions.

### **Non-Licensed Premises:**

In the event of an incident the site must, within 24 hours, notify the EPA of the incident to ensure that the EPA is aware of any potential negative environmental impacts and can respond appropriately. Failure to notify the EPA of such an occurrence is an offence and penalties may apply.

Firstly, call 000 if the incident presents an immediate threat to human health or property. Fire and Rescue NSW, the NSW Police and the NSW Ambulance Service are the first responders, as they are responsible for controlling and containing incidents.

If the incident does not require an initial combat agency, or once the 000 call has been made, notify the EPA immediately.

### ***HOW DO I NOTIFY THE EPA?***

Verbal Report

Environmental incident notifications must be made using the Environment hotline:  
131 555

### ***WHAT TO INCLUDE IN THE NOTIFICATION:***

The initial notification must include the following details:

- name and telephone number of an appropriate contact person on site
- location of the incident
- time and date of the incident
- nature of the incident
- action taken by the site to minimize any harmful effect to the environment

# FLOOD EMERGENCY RESPONSE PLAN (FERP)

for

**SUEZ Resource Recovery Facility  
20 Davis Rd, Wetherill Park NSW**

as of

**November 2019**

**Person in Charge of FERP:** Chief Warden

**FERP Team Members:** Deputy Warden  
Wardens  
First Aiders

**1. Introduction:** This Flood Emergency Response Plan (FERP) has been established to clearly define actions that should be taken in the event of a pending flood event to our site. The plan is designed to proactively outline actions to be taken to prevent loss of life and physical injuries to persons on site, damage to buildings, machinery and equipment and stock /supplies at this site in order that we may resume operations as quickly as possible after the flood event is over. This plan will work simultaneously with the sites odour, operational traffic and operational environmental management plans if an event occurs. The FERP has been prepared with reference to the Flood Risk Management Guidelines (FRGM) (OEH 2017). The FERP considers the provisions of the FRGM with the applicable guideline being *Flood Emergency Response Planning Classification of Communities*. The development has been assessed against *Figure 1 – Preliminary Flow Chart for Flood Emergency Response Classification* to determine the FERP Response Classification of Communities, with the resultant classification being “High Trapped Perimeter Area” as noted in section 2 of this FERP. The FERP addresses the provisions of this classification which states “*Vehicle evac must be completed before routes close. After closure resupply insitu or transported by Air/Boat*”. As the site is cut-off by the short duration overland flow flood event refuge on-site is proposed under Section 5 of this FERP, which also notes when the predicted safe evacuation of the site can be undertaken. Evacuation of the site for a flood emergency is identified in the sites Emergency Response Plan PLANS003.2.14, Action Plan FLOOD Code brown. This plan is to be updated every 5 years, as indicated in the Floodplain Development Manual.

**2. Overview of flood threat:** The SUEZ Resource Recovery Facility site is exposed to overland flooding from the west. Flood mapping created by Golder Associates (Refer Appendix A) shows the predicted overland flow passing from the western boundary through the northern east-west driveway of the site, then heading

east along Davis Rd. The predicted depth of flow for the 100-year storm, a storm event with a likelihood of 1% to occur in a single year, is approximately 300mm along the Northern driveway, and a top water level of 40.40 is reached along the western boundary of the site, decreasing to 39.20 at the north-eastern boundary. The maximum predicted depth of flow is 700mm along the Northern driveway in a Probable Maximum Flood (PMF) event, the largest likely flood event to occur (Refer Appendix A for flood depths). In this event, the top water level along the driveway will reach a level of 40.80. The finished floor level of the building is 41.00m, with the basement level being 35.00m. During a flood event the basement may be inundated with stormwater, whereas the ground floor should have sufficient freeboard of 600mm in a 100-year storm event. The site is determined to be a High Trapped Perimeter Area as per Figure 1 – Preliminary Flow Chart for Flood Emergency Response Classification the FRMG, as the only practical exit from the site is unavailable during a flood event, causing a high risk of safety for those who attempt to evacuate after flooding begins.

**3. Flood Warning & Notification:** Should a flood event occur peak flood flows are predicted to occur within 1 to 2 hours from the start of a storm event. The Chief Warden is to monitor alerts from the Bureau of Meteorology for severe storms. Should a severe storm commence the Chief Warden is to monitor the western and northern boundaries for the presence of overland flows and provide flood warning should the relevant depth of flow exceed 50mm in depth.

**4. Monitoring Potential Flood Event:** The Site Manager will advise the Chief Warden when flood conditions are possible. On notification of the impending storm, Chief Warden is to advise all workers of a 'Code Brown' (via two-way radio or other device) and signal instructions to take. The Chief Warden will assign personnel the responsibility to visually monitor the overland flow elevations every 15 minutes and record and report the findings to the Chief Warden. The Chief Warden or other designated Warden will monitor the following information sources and undertake the following:

- i. Regional and Local Radio Stations
- ii. Relevant Websites
- iii. Bureau of Meteorology
- iv. SES Reports
- v. Onsite weather station monitoring & alerts
- a. Liaise with local emergency services (e.g. SES).
- b. Remove or relocate items and equipment expected to be impacted by the flood.
- c. Consider the need of sandbagging and other protection methods for the site.
- d. Consider the need of turning off the electricity and gas mains.
- e. Relocate workers to building before the flood reaches hazardous levels, following Flood Evacuation Diagram (Appendix B). If outdoors, workers must take extra precaution to avoid hazards such as flooded roads, downed electrical power lines, utility poles and trees.

**5. During the flood (Response Phase) – Assembly Points & Actions:**

- a. Due to the nature of the flood threat evacuation from the site will not be possible, therefore refuge on site is to be undertaken;

- b. All personnel are to follow the flood evacuation diagram found in Appendix B and assemble in the main building;
- c. DO NOT drive over any flooded roads, causeways or bridges;
- d. DO NOT walk into the floodwater;
- e. DO NOT attempt to wade across or swim through flood waters of any kind.
- f. Liaise with Police and SES regarding road conditions and safe evacuation routes;
- g. Be aware of possible contaminated water;
- h. Be aware of animals, insects and parasites that may be present in or around flood waters;
- i. Due to the predicted short duration of the flood peak, safe evacuation from the site should occur within 2-4hrs of the flood peak.

#### **6. After the flood (Recovery Phase)**

- a. Assess site for any potential contamination issues.
- b. Keep clear of any fallen trees, powerlines and contaminated waters.  
Continue to not enter remaining floodwaters (such as those in the basement of the building or waters blocking exit routes).
- c. Remove remaining floodwater, mud and debris from the plant by using wash down hoses, brooms, squeegees, mops, sump pumps and clean-up supplies as is safe to do so. Ensure safety equipment is worn during this process and be cautious of native wildlife that may be present on the site seeking shelter.
- d. Inspect equipment for damage, begin discard/removal of all non-salvageable equipment.
- e. Contact qualified persons to inspect potentially damaged services (such as electricity and gas).
- f. Remove sandbags, other items used to protect building exterior.
- g. Begin cleaning/drying of all essential equipment.
- h. Dehumidify/dry all damp/moist areas.
- i. Preserve equipment/materials that might otherwise be lost.
- j. Reclaim any salvageable supplies/business operating equipment.
- k. Conduct safety walkthrough to inspect other safety hazards or damages to the site

The environmental management, and odour management plans form a part of the post flood site management.

For more information regarding recovery after a flood event, refer to the 'NSW SES Recovery Guide for Floods and Storms', found at:

<https://www.ses.nsw.gov.au/media/2194/20140721-recovery-guide-print-ready.pdf>.

**7. Training:** All workers that enter the site must be trained in this document as a part of the site induction. The FERP is to be read through and understood as a part of the 'Site Safety Rules' and the Induction Checklist.

Further FERP training must be undertaken by all wardens and safety officers for the site in accordance with the requirements of the 'Emergency Management Procedure'. The Chief Warden should continually read this FERP, approximately every 6 months in order

to have a thorough understanding of the procedure to be undertaken in the case of a flood event. A flood drill should also be run as outlined in the SUEZ 'Emergency Response Plan' to ensure the Wardens and personnel are able to act quickly and responsibly in a real flood event.

The awareness training of this flood plan can be found in the 'Emergencies' section of the Site Safety Rules, which outlines that this document is to be read and understood prior to working on the site. To read through this FERP is also a requirement on the Induction Checklist, to be ticked off prior to work on the site.

Following this plan helps reduce the risk of harm to all people on the site in the event of a flood.

## **8. Review and Document Control**

VERSION	CHANGE	REVIEWED	AUTHORISED	DATE ISSUED
1	Initial Issue	Jacque Simmons Site Manager		May 2019
2	Reviewed to include stage one and stage two works. Inclusion of site plans	Jacque Simmons (Site Manager) Kelly Gee Project Manager		November 2019

## Appendix A – Golder Associates Flood Depth Maps





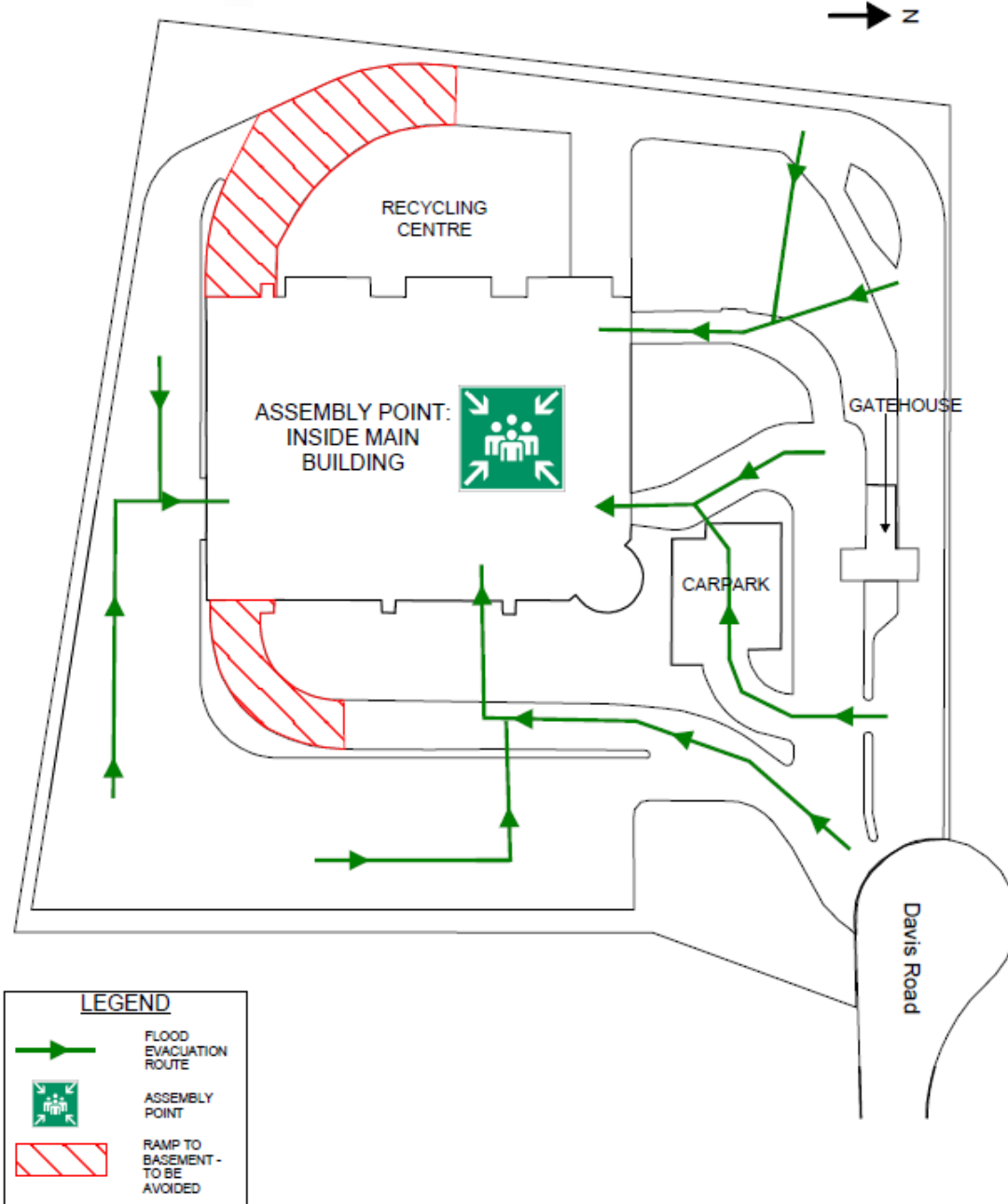
**Appendix B – Flood Evacuation Diagram**



# FLOOD EVACUATION DIAGRAM

SITA AUSTRALIA – WETHERILL PARK RESOURCE  
RECOVERY FACILITY

SITE PLAN



---

# Operational Environmental Management Plan

## Wetherill Park Resource Recovery Park

Document #. PLANS004

Issue date 15 September 2021

Version 5



## Table of Contents

1. Introduction .....	5
1.1. Purpose.....	5
1.2. Scope.....	5
1.3. Statutory Requirements .....	5
1.4. Development Consent .....	5
1.4.1. SSD 7267 – OEMP requirements.....	6
1.5. Risk Management.....	7
1.6. Staffing and Training Requirements .....	7
1.7. Organisational Structure .....	8
1.8. Environmental Auditing and Review .....	8
1.9. Update and Version Control Requirements .....	9
2. Site Overview.....	10
2.1. Site Description and Layout .....	10
2.1.1. Staged works.....	11
2.2. Infrastructure .....	11
2.2.1. Hours of operation .....	13
2.2.2. Traffic management.....	13
2.2.3. Landscaping .....	13
2.2.4. Drainage.....	13
2.2.5. Security .....	13
2.2.6. Services .....	13
<u>2.2.7. Stakeholders.....</u>	<u>14</u>
2.3. Overview of WPRRF Activities.....	15
3. Environmental Incident Management and Community Engagement.....	16
3.1. Environmental Incident Management .....	16
3.2. Community Complaints.....	16
3.3. Emergency Preparedness .....	16
4. Waste Acceptance and Stockpiling.....	17
4.1. Wastes accepted at Wetherill Park Resource Recovery Facility .....	17
4.2. Acceptance of Waste .....	17
4.2.1. Specific Requirements – General Solid Waste (Putrescible).....	17
4.3. Stockpiles.....	17
4.4. Limits.....	17
4.5. Storage of dangerous goods.....	18
5. Environmental Management and Monitoring.....	19
5.1. General .....	19
5.2. Records.....	19
5.3. Monitoring records.....	19
5.4. Operational Requirements .....	20

5.5.	Leachate .....	20
5.5.1.	Management Strategy.....	20
5.5.2.	Infrastructure and Collection .....	20
5.5.3.	Monitoring Requirements .....	20
5.5.4.	Notification Requirements .....	20
5.6.	Water .....	21
5.6.1.	Stormwater .....	21
5.6.1.1.	Management Strategy.....	21
5.6.1.	Firewater .....	21
5.6.1.1.	Management Strategy.....	21
5.7.	Air and Dust.....	21
5.7.1.	Management Strategy.....	21
5.7.2.	Infrastructure and Collection .....	21
5.7.3.	Notification Requirements .....	22
5.8.	Odour.....	22
5.8.1.	Management Strategy.....	22
5.8.2.	Infrastructure and Collection .....	22
5.8.3.	Notification Requirements .....	22
5.9.	Litter.....	22
5.9.1.	Management Strategy.....	22
5.9.2.	Monitoring Requirements .....	22
5.10.	Noise.....	22
5.10.1.	Management Strategy.....	23
5.11.	Pests and Vermin .....	23
5.11.1.	Management Strategy.....	23
5.12.	Fire Detection .....	24
5.12.1.	Management Strategy.....	24
5.12.2.	Sampling Equipment and Instructions .....	24
5.12.3.	Notification Requirements .....	24
6.	Definitions .....	25
7.	Related Documents.....	25
8.	Review and Document Control .....	26
9.	Appendices .....	27
	APPENDIX 1. Environment Protection Licence, 4548 .....	27
	APPENDIX 2. Waste Acceptance Type and Quantity Limits.....	28
	APPENDIX 3. Waste Management – General Solid Waste (Putrescible).....	29
	APPENDIX 4. Monitoring Requirements .....	29
	APPENDIX 5. Notification Requirements .....	30
	APPENDIX 6. Consent to Discharge – Sydney Water .....	31
	APPENDIX 7. Development Consent.....	32
	APPENDIX 8. Modification of Development Consent .....	33



APPENDIX 9. Flood Emergency Response Plan .....34

APPENDIX 10. Odour Management Plan .....35

APPENDIX 11. Operational Traffic Management Plan .....36

APPENDIX 12. DPE Approval of Flood Emergency Response Plan .....37

APPENDIX 13. Endeavour Energy limitations .....38



## 1. Introduction

### 1.1. Purpose

The purpose of this document is to describe the environmental management of operational activities at Wetherill Park Resource Recovery Park (WPRRF) that have, or are likely to have, an impact on the environment. This document sets out detailed procedures and measures that must be taken to minimise and eliminate environmental impact. This document also assists internal and external stakeholders in assessing environmental performance and ensures transparency across environmental operations.

SUEZ's Environmental, Quality and Safety (EQS) Management System is structured in accordance with the requirements of the following standards:

- AS/NZS 4801:2001 Occupational Health and Safety Management Systems;
- ISO 14001:2015 Environmental Management Systems; and
- ISO 9001:2015 Quality Management System.

SUEZ's EQS system is certified to the above standards by an independent third-party and annual internal reviews are undertaken in accordance with the *Management System Review Procedure*.



Figure 1 Aerial view of WPRRF

“SUEZ is committed to undertaking all activities in an environmentally responsible way, preventing pollution and proactively developing environmentally sustainable activities.” – *Environment Policy*

### 1.2. Scope

This document applies to all activities undertaken at WPRRF.

### 1.3. Statutory Requirements

All legislative requirements are managed in accordance with the *Legislative Requirements Procedure*.

The Protection of the Environment Act 1997 together with The Protection of the Environment (general) Regulation 2009 provide the primary statutory framework by which the WPRRF abides by.

Specific requirements on the site, including operational limits and the limits surrounding water, air, soil emissions, are administered by the Environmental Protection Authority (EPA) through an Environment Protection Licence (the Licence). See **Appendix 1**. For further information on the Licence referred to throughout this Environmental Management Plan (EMP).

### 1.4. Development Consent

Development consent was granted to Inter Image P/L by Fairfield Council on 22 November 1989 (483A/89) 19811DA RT; SA for erection of non-putrescible waste transfer station.

Subsequent modifications were approved following the sale from WMI in June 2000. November 2001, Pacific Waste Management was renamed to SITA Environmental Solutions.

- February 1990, 2914/89 Factory (new)
- April 1995 07722-414DA SIM; SSM Change in operational hours
- July 2004 for Stage1 Recycling of timber.
- November 2005 DA 816/2005/CC 758/2005 Fire safety schedule
- October 2005, 816/758 Extension of awning for paper & cardboard recycling
- September 2007, 1557/06 Temporary storage and transfer of secured asbestos material.
- December 2009, 426.1/2009 Acceptance of putrescible waste and other wastes.
- December 2010, 1028.1/2010 Retailing of compost material

Wetherill Park received approval from Department of Planning for the State Significant Development (SSD) SSD7267 September 2017. (Appendix 07)

- MOD 01 Amendment to meteorological monitoring February 2018
- MOD 02 Staging amendment April 2019 (Appendix 08)

#### 1.4.1. SSD 7267 – OEMP requirements

Condition C4 of SSD 7267 requires SUEZ prepare an Operational Environmental Management Plan (this plan) to the satisfaction of the Secretary. Table below shows how this plan addresses the requirements of SSD 7267.

Condition		Response
C4	The Applicant must prepare an Operational Environmental Management Plan (OEMP) to the satisfaction of the Secretary. The OEMP must:	This plan consists of the OEMP
(a)	Be prepared to the satisfaction of the Secretary prior to the commencement of the expanded operation	This plan has been submitted to DPE for approval
(b)	Be prepared by a suitably qualified and experienced expert	<p>This plan has been prepared by the Site Manager and Project Manager:</p> <p><i>Jacque Simmons – Site Manager</i>  <i>Diploma in WHS</i>  <i>Cert IV in Accounting</i>  <i>Years of experience in waste industry: 9</i></p> <p><i>Carol Ng – Project Manager</i>  <i>Masters of Engineering Science – Waste, Wastewater and Waste Engineering</i>  <i>Years of experience in waste industry: 7</i></p> <p>Reviewed by:  <i>Kelly Gee – Compliance Manager</i>  <i>Diploma in WHS</i>  <i>Diploma of Business</i>  <i>Cert IV in Environmental Management</i>  <i>Cert IV in Business Administration</i>  <i>Cert IV in Training &amp; Assessment</i>  <i>Cert IV Leadership &amp; Management</i>  <i>Cert IV in Frontline Management</i></p> <p><i>Years of experience in waste industry: 6</i></p>
(c)	Provide the strategic framework for environmental management of the Development	Section 5
(d)	Identify the statutory approvals that apply to the Development	Section 1.4

Condition		Response
(e)	Describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the Development	Section 1.6 and Section 1.7
(f)	Describe the procedures that would be implemented to: <ul style="list-style-type: none"> <li>i. Keep the local community and relevant agencies informed about the operation and environmental performance of the Development</li> <li>ii. Receive, handle, respond to, and record complaints</li> <li>iii. Resolve and disputes that may arise</li> <li>iv. Respond to any non-compliance</li> <li>v. Respond to emergencies</li> </ul>	Section 3
(g)	Include the following environmental management plans: <ul style="list-style-type: none"> <li>i. Odour Management Plan</li> <li>ii. Flood Emergency Response Plan</li> <li>iii. Operational Traffic Management Plan</li> </ul>	OMP – Appendix 9 FERP – Appendix 10 OTMP – Appendix 11
C5	The Applicant must operate the Development in accordance with the OEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.	SUEZ must operate the Development in accordance with the OEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

### 1.5. Risk Management

Risks to health, safety, the environment and property which arise from our activities are identified, assessed, controlled, reviewed and reported in line with applicable legislation in accordance with the *Risk Management Procedure*.

### 1.6. Staffing and Training Requirements

All workers onsite are trained in accordance with *Training, Induction and Competency Procedure*.

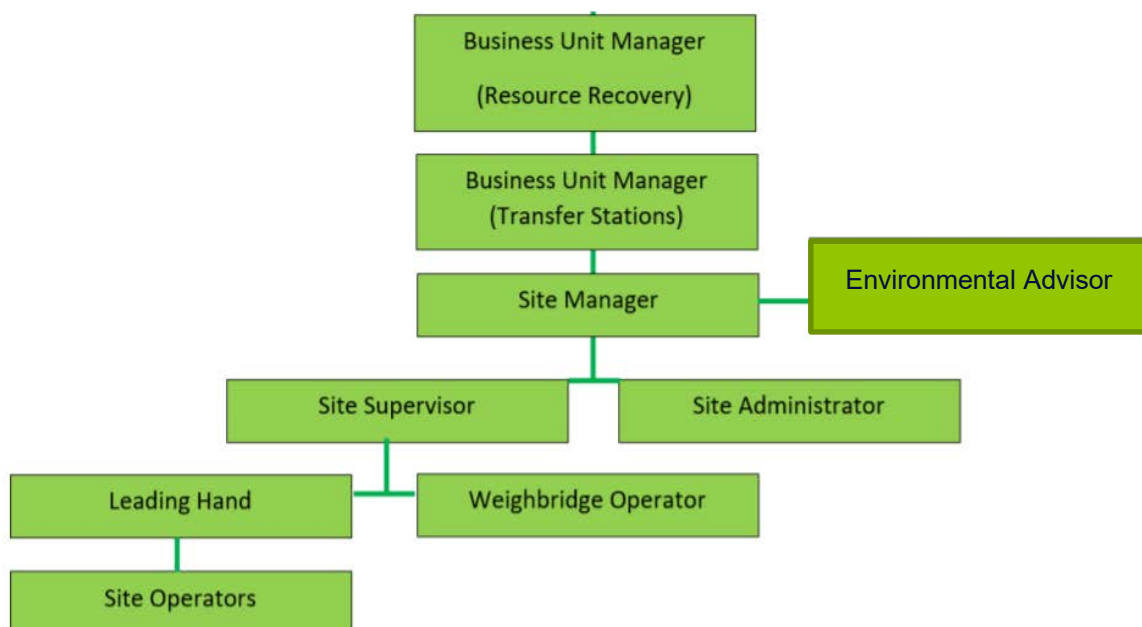
The Site Manager ensures the provision of role specific required training for workers on-site to ensure that all requirements described in this OEMP are met. It is also the Site Manager's responsibility to provide training to all workers performing critical tasks, such as inspection and direction of incoming wastes, operation of the equipment and environmental management on-site.

An environment, quality and safety system has been prepared and implemented by SUEZ. It is designed to provide SUEZ's employees with information about their environmental responsibilities which are outlined in the specific procedure or Standard Operating Procedure (SOP).

Refer to the *Roles and Responsibilities Procedure* for further information on the environmental, quality, health and safety responsibilities of all workers and Senior Management at SUEZ.



## 1.7. Organisational Structure



### Sydney Transfer Stations Manager

Overall responsibility for management of operations and compliance of all transfer stations within SUEZ NSW network. The business manager would be supported by NSW Environmental Advisor, responsible for establishment and management of environmental monitoring contracts, site monitoring and ad-hoc sampling as required and interpretation and management of monitoring data.

#### Site manager

Overall responsibility for the management of operational issues on site.

#### Site supervisor

Supervision of site activities, ensuring that necessary environmental controls are maintained and operated to achieve the environmental objectives.

#### Site personnel (operators)

Day to day operations including implementation of environmental controls as required.

## 1.8. Environmental Auditing and Review

SUEZ evaluates the performance of WPRRF in accordance with *Management Systems Review Procedure*, *Monitoring and Measurement Procedure*, *Audit Procedure* and in conjunction with the review process of the EPA, Annual Audit Compliance Report, Annual Environmental Management Report. These documents outline all of the monitoring that has been conducted and the results as well as stating whether WPRRF has complied with the conditions of the Licence. Upon receiving the Annual review and Independent Environmental Audit final reports, these will be submitted to the Secretary for review, ensuring compliance with Conditions C8 & C12.

These reports are publicly available of the SUE website: <https://www.suez.com.au/en-au>

### 1.9. Update and Version Control Requirements

This document is version controlled. All updates to this document must be made in accordance with the *Document Control Procedure*.

Revision of Strategies, Plans & Programs must be submitted to the Secretary for approval within three months of

- a) Approval of a modification
- b) Approval of an annual review under condition C8
- c) submission of an incident report under condition C9
- d) completion of an audit under condition C12

## 2. Site Overview

### 2.1. Site Description and Layout

WPRRF is located at 20 Davis Road, Wetherill Park, within the Fairfield City Local Government Area, in an area zoned 'Industrial', which is surrounded by other industrial facilities. The site occupies an area of approximately one hectare

Potential emission sources from this site include noise, dust and odour.

The closest water body is the Prospect Reservoir located about 150 metres north-west of the site.

The majority of the site is sealed, and all material is stored on concrete hardstands within the transfer shed and under the awning attached to the west of the building



Figure 2 Aerial view of Wetherill Park Resource Recovery Facility

## 2.1.1. Staged works

See figure 3 for stage one and stage two works on site

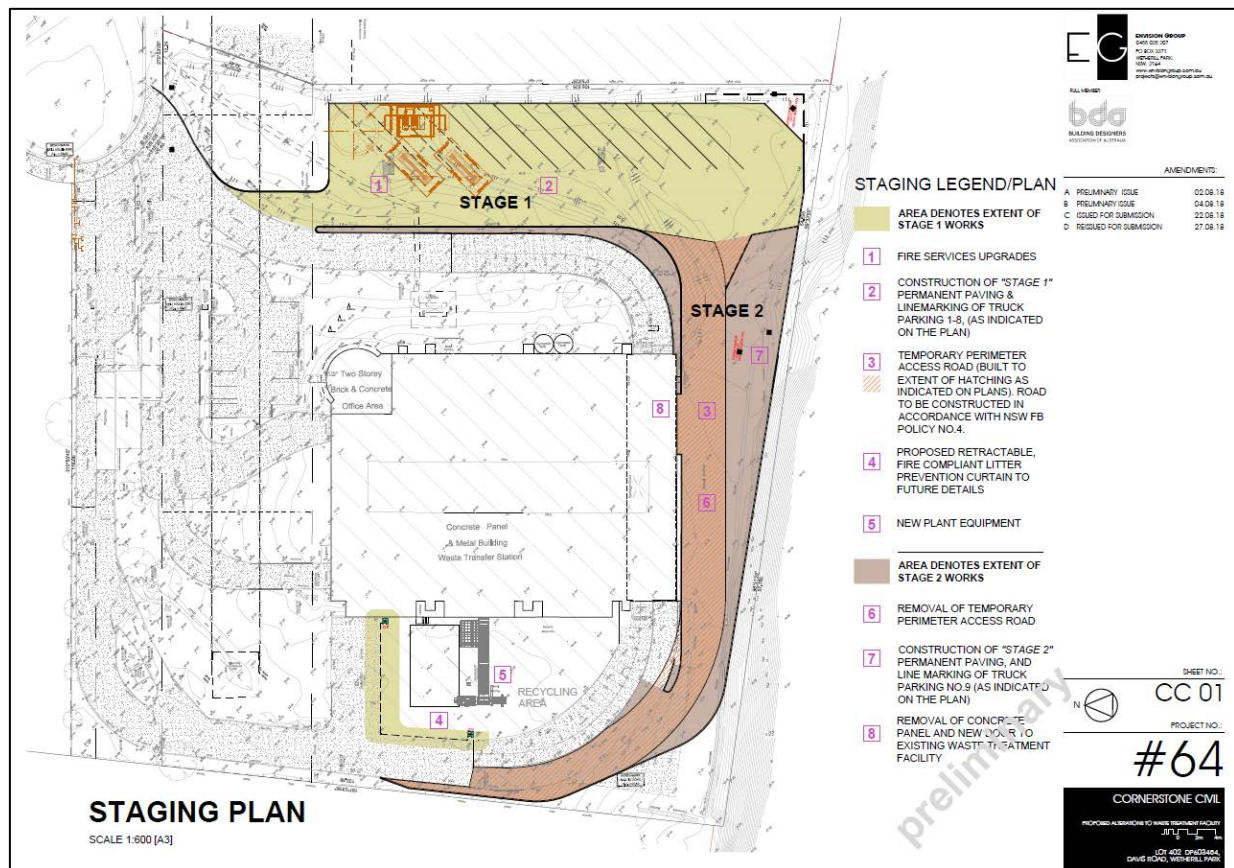


Figure 3 Staging Plan of Wetherill Park Resource Recovery Facility

## 2.2. Infrastructure

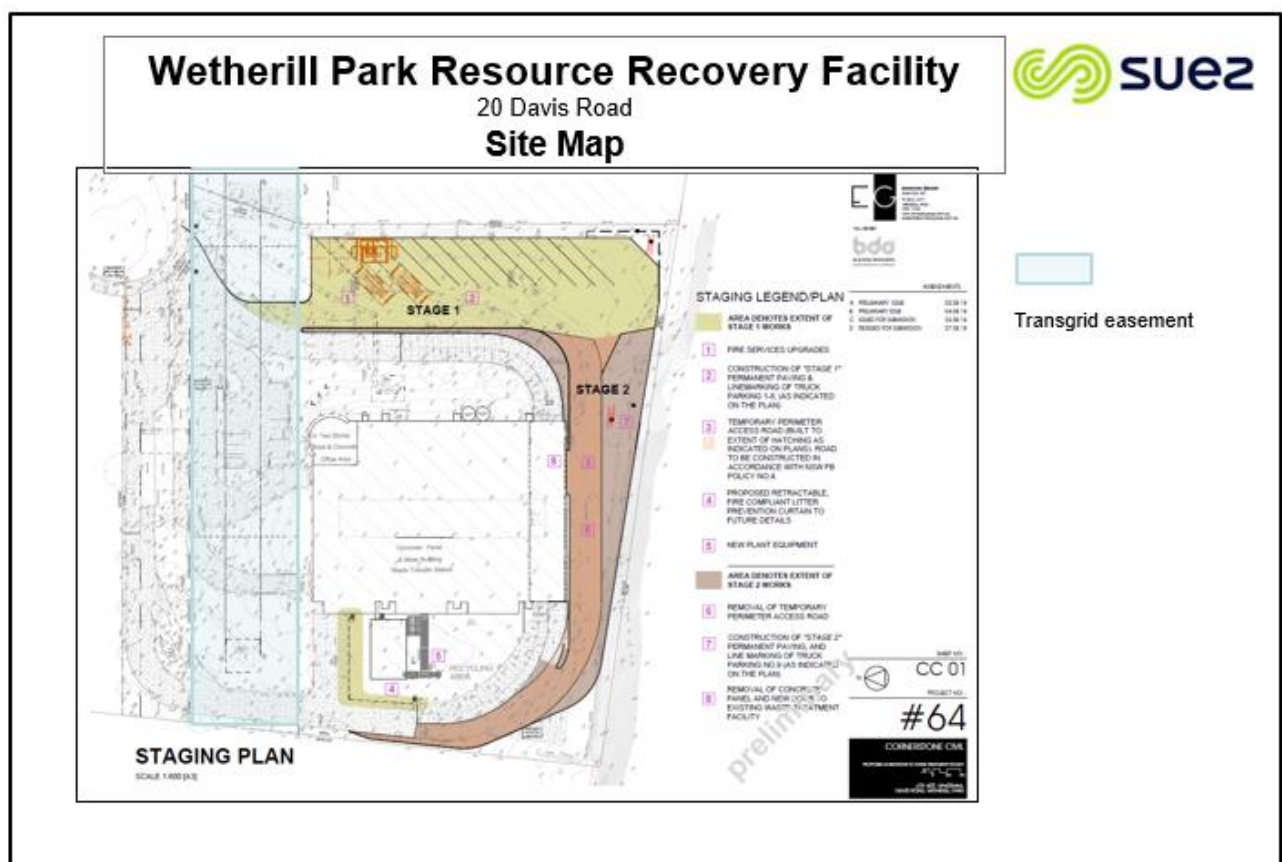
WPRRF contains several infrastructure items to facilitate recycling and process of waste streams. The facility consists of:

- Administration building;
- Weighbridges (incoming, outgoing);
- Recycling Plant;
- Load out tunnel
- Mobile plant
- Trade Waste system;
- Heavy vehicle parking hardstand;
- Fire fighting water tank
- Fire fighting pump house
- Fire ring road
- Transfer shed; and
- Transgrid Power Lines (Endeavour Energy) See below and *Appendix 13*



No work of any kind are permitted within the 20 meter exclusion zone surrounding the transmission line tower. The existing ground level is to be retained at the site and the AUS700 clearance requirement shall be met for the proposed driveway within Transgrid's easement.

All works shall be carried out in accordance with the NSW WorkCover's *Work Near Overhead Power Lines Code of Practice 2006* and Transgrid's *Easement Guidelines for Third Party Development (V10)*. A safe unobstructed working platform shall be preserved around the transmission line structures for access by EWP, cranes, as well as other large plant and equipment. No obstructions of any type shall be placed within 30 meters of any part of a transmission line structure.



### 2.2.1. Hours of operation

Development Consent hours

Operational      Monday – Sunday      24 hours

WPRRF operates for general public in accordance with the hours listed below:

<b>Weekdays</b>	<b>05.00am – 16:30pm</b>
<b>Saturdays/Sundays</b>	<b>06.00am – 13:00pm</b>
<b>Public Holidays</b>	<b>Closed</b>

### 2.2.2. Traffic management

WPRRF assesses the risks and implements appropriate and effective traffic controls in accordance with the *Traffic Management SOP*. Please note that all sites are required to have a traffic management map available to all workers.

A range of vehicles and mobile plant are used at WPRRF to conduct operations, including the transfer and transport of materials in and around the facility. Refer to the WPRRF *Traffic Management Plan* PLANS002 for further details of traffic types and movements.

### 2.2.3. Landscaping

Landscaping is constructed and maintained in accordance with the *Site Maintenance – Transfer Stations SOP047* and *Site Maintenance – Infrastructure SOP041*.

### 2.2.4. Drainage

With the exception of the landscaped areas, the entire surface of the site is sealed, which facilitates drainage control and minimises the potential for sediment mobilisation. There are several elements to the drainage control system on-site, including contaminated wastewater, stormwater runoff, and rainwater capture.

For details on what to do when a spill occurs, refer to the *Spill Response SOP007*.

### 2.2.5. Security

WPRRF has implemented a number of security measures which includes:

- Suitable fencing to prevent unauthorised access to the site;
- All entrance gates are securely locked when the premises are unattended;
- Security cameras at various locations on site; and
- Weekly inspections of security measures and fencing occurs in accordance with the *Site Maintenance – Transfer Stations SOP047* and *Site Maintenance – Infrastructure SOP041*.
- Back to base alarms
- Security patrols after hours

### 2.2.6. Services

WPRRF is connected to the mains water, telephone and electricity systems.

For information on safely conducting work around utility services, refer to the *Utility Services SOP102*.

## 2.2.7. Stakeholders

The Facility is situated between commercial businesses. The Stakeholder map and table below provides an overview of where they are situated from Seven Hills Resource Recovery Centre, contact details, and their business description.





No.	Business Name	Contact Number	Business Description
1	Albright & Wilson Australia	1800 814 730	Manufactures surfactants and supplier of phosphates
2	Onesteel Recycling	02 9203 1611	Scrap Metal Merchants
3	CEIL Batteries NSW – Forklift Battery and Charger Experts	1300 877 531	Supplies Electric Forklift Batteries and Chargers
3	Domayne	02 9394 6228	Furniture Warehouse
4	Universal Mobile Tower Hire	02 9609 4111	Hire Business for access equipment
5	Flamestop	02 9725 3322	Manufactures and Wholesaler of Fire equipment
6	Infrabuild Recycling	02 9203 1611	Manufactures and supplies steel long products and solutions and metals recycling.
7	AWJ Civil	02 9757 2999	Commercial civil contracting company.
8	Austcor Packaging	02 9757 7500	Corrugating Packaging Company
9	Vulcan	02 9203 1111	Steel Distributor
10	Prospect Reservoir (West)	1800 061 069	Water Filtration Plant

### 2.3. Overview of WPRRF Activities

WPRRF operates a solid waste and recycling plant, it accepts household, commercial and council wastes. Activities on the site include waste receipt, recycling, waste segregation, transportation, storage and environmental management and monitoring.



## 3. Environmental Incident Management and Community Engagement

### 3.1. Environmental Incident Management

All environmental incidents are to be recorded in accordance with the *Incident Reporting and Corrective Action Procedure*. Environmental complaints are handled in accordance with *Environmental Complaints Management SOP*. All environmental incidents and complaints are recorded in the SUEZ Integrated Management System (SIMS).

Within 24 hours of any incident or potential incident with actual or potential significant off site impacts on people or the biophysical environment, a report shall be supplied to the Department outlining the basic facts.

A further detailed report shall be prepared and submitted following investigations of the cause and identification of necessary additional preventative measures. That report must be submitted to the Secretary no later than 14 days after the incident or potential incident.

A register of all accidents, incidents and potential incidents. The register shall be made available for inspection at any time by the independent hazard auditor and the Department.

The Licence & Consent also has specific notification requirements including:

- Notifying the EPA of any breach of any limit specified in the Licence;
- Notifying the Department of any breach of any incident or potential incident

Refer to **Appendix 1**. for notification requirements under the Licence.

Note that all contact with an environmental regulatory body must be approved by the Site Manager or the relevant Business Line Manager.

### 3.2. Community Complaints

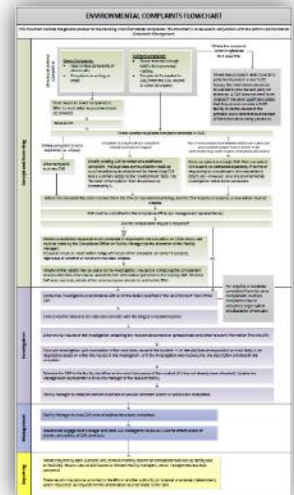
A free call telephone line through SUEZ's customer Service Department operates 24 hours a day, 7 days per week.

Complaints about the site can be registered on the SUEZ customer service line or directly with the site. The details of all complaints received, and actions taken in response to the complaints are kept on the SUEZ database through the SUEZ Integrated Management System (SIMS). All complaints received are investigated and responded to within the allocated time frame set out in *Environmental Complaints Management SOP066*.

### 3.3. Emergency Preparedness

The WPRRF *Emergency Response Plan* (ERP) PLANS003 sets out guidelines to enable SUEZ to plan for and respond to internal and external emergencies.

Emergency drills of the ERP are to be conducted in accordance with the *Emergency Management Procedure*.



## 4. Waste Acceptance and Stockpiling

### 4.1. Wastes accepted at Wetherill Park Resource Recovery Facility

The WPRRF is a solid waste premise on which waste is treated or sorted pending final disposal/recovery.

For information on weighbridge operation e.g. computer systems, contact numbers and forms required for the acceptance of waste, refer to the EQS Management System (SIMS).

### 4.2. Acceptance of Waste

The incoming waste delivery vehicles are weighed and provided with ticket at the site weighbridge before proceeding to the tipping location dependant on the waste type. All waste is delivered to the transfer station shed and tipped in allocated areas.

An excavator with a grab is used to sort recyclables from incoming waste streams. The recyclable portions of the waste are then separated and stored. Inert waste and recyclable materials (non-odorous) to remain onsite until a time of collection to an appropriate recycling facility.

The general waste is then pushed into the surge pit with the use of a front end loader, it is then crushed and compacted by the use of the Dozer.

General Solid Waste (Putrescible) must not be pushed into the surge pit until ready for transportation off site, Under DPE Consent SSD 7267 November 2017 and Modification April 2019, upon completion of stage one works the site is permitted to receive up to 70,000 tonnes of general solid waste (Putrescible). Upon completion of stage two the site is permitted to receive up to 140,000 tonnes of general solid waste (Putrescible)

Transfer trailers access the load out tunnel where the waste is loaded with the use of the Dozer and is gravity fed into the top of the trailers

Waste is only to be transported to the appropriate landfill in accordance with their EPA licence. All waste loads must be covered unless within the transfer station building. Trucks must stop at the tarping gantry prior to proceeding to the weighbridge to inspect and remove any debris caught externally to the vehicle following loading.

Note that where waste does not conform to the specific **type, activity or quantity limit** in **Appendix 1**. – the waste is removed from the site by the vehicle delivering the waste or, where that is not possible, stored in an isolated quarantined storage area or container and removed to an appropriately authorised facility as soon as practicable. The rejection of loads must be recorded as per the EQS Management System (SIMS). The MANDALAY system is used for auditing, recording and tracking all waste and waste types associated with the facility as identified in condition B3 of the approved consent.

#### 4.2.1. Specific Requirements – General Solid Waste (Putrescible)

WPRRF segregates the General Solid Waste (Putrescible) from the main stream waste received within the transfer shed, the General Solid Waste (Putrescible) is not to be pushed into the surge pit until ready for transportation off site, which must be within the 24 hours' period of receiving the waste onto site, as set out in the Operating conditions in **Appendix 3**.

### 4.3. Stockpiles

The authorised amount of waste permitted on the premises cannot exceed 2,400 tonnes at any one time, this monitored on the Transfer Station Weekly Checklist.

### 4.4. Limits

The applicant must not receive or process on site more than:

- a) 70,000 tpa stage 1 and 140,000 tpa of stage 2 of general solid waste (putrescible)

- b) 90,000 tpa of general solid waste (non-putrescible)
- c) 10m<sup>3</sup> of asbestos waste per week
- d) 575 m3 or 402.5 tonnes of General solid waste (putrescible) in any 24 hour period

### 4.5. Storage of dangerous goods

The quantities of dangerous goods stored and handled at the site must be below the threshold quantities listed in the Department of Planning's *Hazardous and Offensive development application Guidelines – Applying State Environmental Planning Policy 33 at all times*

Where dangerous goods are used or stored in volumes greater than the threshold quantities, WorkCover NSW must be notified, and manifests and emergency plans must be developed.

Receptacles are provided for storage of recyclables. Gas bottles cages, Oil tank, battery bunds and IBC for paints segregate dangerous good. Collection of these dangerous goods is scheduled with a third party contractor weekly / monthly.

Prime movers access the bins via controlled traffic management, another mechanism for keeping small vehicles and trucks separated.

Signs at the entrance clearly indicate the types of wastes that are accepted and those that are not accepted.

Weighbridge operator weighs an incoming vehicle, records the data and asks the driver to describe the content of the load. If the content of the load cannot be clearly described or identified, the weighbridge operator will direct the load to a separate area for closer examination.

Unloading is constantly monitored by the recycling and on-site supervisors who are responsible for removal of unacceptable wastes from the waste stream for subsequent disposal at an appropriate facility.

Training is provided by SUEZ to the weighbridge operators, recycling and on-site supervisors to enable them to recognise and manage unacceptable wastes (SOP017 – Hazardous chemicals including dangerous goods).

Asbestos waste received is stored separately from the main waste stream in purpose-built bins, no customers are to open these bins they are only to be opened by operators on site and all asbestos unloading is to be supervised by an operator on site. All operators supervisor unloading of asbestos are to be trained in SOP029 Asbestos waste.

### Excluded materials

This includes but is not limited to:

- liquids
- explosives
- poisons
- dangerous goods
- radioactive material
- clinical and related waste
- scheduled pharmaceuticals
- demolition waste
- car bodies
- excessive dusty wastes
- drums and drummed wastes

## 5. Environmental Management and Monitoring

This is monitored by the monthly reporting into the New South Wales Waste and Resource Reporting Portal (WARRP), this is the Environmental Protection Authority's web tool for waste operators to carry out their waste reporting obligations. Environmental Management and Monitoring

All monitoring activities set out in this section must comply with the requirements of the *Monitoring and Measuring Procedure* and the *Incident Reporting and Corrective Actions Procedure*.

### 5.1. General

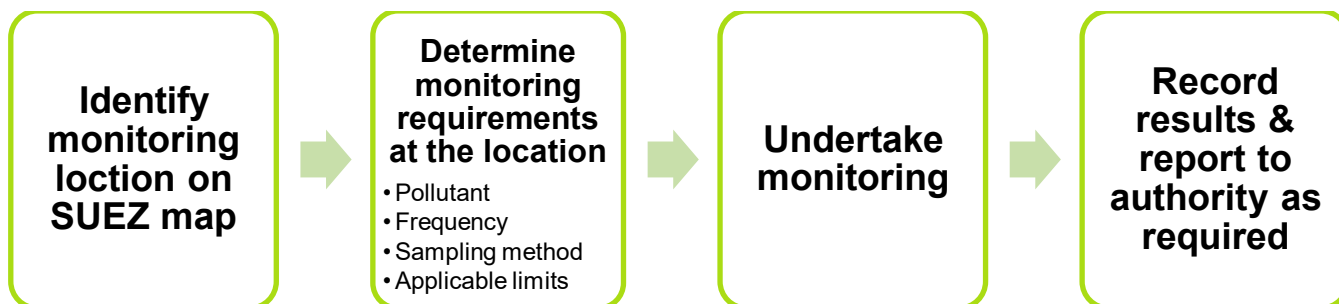


Figure 3 Summary of the monitoring process at Wetherill Park Resource Recovery Facility.

The responsibilities of SUEZ workers are outlined within the relevant Standard Operating Procedures (SOPs) and Work Instructions (WIs) outlining the operations. The overall responsibility for environmental management at WPRRF rests with the Site Manager, including the requirement to ensure that all onsite activities are undertaken in accordance with the Licence.

WPRRF Weekly Odour Monitoring Checklist (FORM026.4)

WPRRF Weekly Site Inspection checklist (FORM026.4.47)

Trade Waste Agreement 7976 scheduled sampling

### 5.2. Records

All monitoring records referenced in this section must be maintained in accordance with the *Records Management Procedure* and:

- Be in a **legible form**, or in a form that can readily be reduced to a legible form (if amendments are made they should be made in such a way that the original and subsequent amendments remain legible or are capable of retrieval);
- Kept for a least **4 years** after the monitoring or the event to which they relate took place (or until the expiry of the Licence or subsequent Licence);
- All off-site environmental effects and matters which affect the condition of the land or waters must be retained until the expiry of the Licence and any subsequent licence; and
- Be able to be **produced** in a legible form **to any authorised officer of the EPA** who asks to see them.

### 5.3. Monitoring records

All monitoring required of the facility (see **Appendix 1.** for monitoring requirements) is completed using the onsite weighbridge and Mandalay System.

Daily reports from onsite weather station

Trade Waste monitoring log FORM075.

## 5.4. Operational Requirements

All plant must be maintained to the manufacturer's specification and any relevant internal management system, in accordance with the *Plant Management SOP085*. The calibration of equipment must occur in accordance with the *Calibration and Servicing of Equipment SOP037*.

All spills that occur outside a bunded area (or engineered containment system) must be managed immediately.

In the event of an environmental incident which can cause to the health or safety of human beings or the environment which is not trivial, and/or results in monetary loss or damage costing an amount exceeding \$10,000 (Cost to include cleaning up/further pollution mitigation measures). The WPRRF Pollution Incident Response Management Plan *PLANS003* is to be activated.

In accordance with the Licence 4548, WPRRF is only permitted to receive, handle and store the wastes in **Appendix 1**, prior to removal offsite. Further it is a requirement that all wastes are stored and sorted on a hardstand which is bunded to prevent run-off; and removed to a facility licenced under the *Environmental Protection Act 1986*. See **Appendix 1**, for further information on General Solid Waste (Putrescible) processing limits.

## 5.5. Leachate

The management of leachate is to be conducted in accordance with the requirements set out in the *Leachate Management SOP036*. The purpose of effective leachate management is to ensure that leachate does not leave the site and contaminate stormwater, water courses or ground water.

### 5.5.1. Management Strategy

WPRRF implements all practical measures to contain leachate and treat onsite through the trade waste system. The majority of the site has been sealed so that water that may have leached through waste is contained and treated.

All covered areas drain to the trade waste system. The water from the site passes through a collection or separator pit, and then to the trade waste treatment system, which modifies the quality of the effluent so that it complies with the Trade Waste Agreement 7976 (see **Appendix 6**.)

Surface water runoff from all non-contaminated areas is directed to the stormwater drain system (fitted with emergency shut off isolation valve).

Contaminated water is treated through the trade waste system and directed to sewer under Sydney Water Trade Waste Agreement 7976

### 5.5.2. Infrastructure and Collection

Primary infrastructure at WPRRF includes:

- Filters;
- Pumps
- Drainage system.

### 5.5.3. Monitoring Requirements

Monitoring and inspections checks for these are included on the site WPRRF *Weekly Inspection Checklist FORM026.4.47*.

### 5.5.4. Notification Requirements

The EPA must be notified refer to 5.4 (see **Appendix 5**.)

## 5.6. Water

Water is to be managed in accordance with the requirements set out in the *Water Management SOP069*. The purpose of water management is to ensure that site activities don't impact off site and cause pollution or contamination of stormwater, water courses or ground water.

### 5.6.1.Stormwater

#### 5.6.1.1. Management Strategy

WPRRF implements all practical measures to prevent stormwater becoming contaminated by the activities onsite and treats contaminated or potentially contaminated stormwater prior to being discharged from the site.

The site keeps a high level of housekeeping and ensures that water from sealed sections of site is directed to the treatment and storage area in the SUEZ yard.

### 5.6.2.Firewater

#### 5.6.2.1. Management Strategy

In the event of a fire on site WPRRF implements all practical measures to prevent firewater from discharging from the site prior to treatment. This includes the closing of a keystone valve at the front of the property which stops the escape of water collected in stormwater drains to the Sydney Water stormwater network. The load out tunnel acts as a containment area for additional fire water which is then pumped out by tankers and removed offsite for treatment at a licenced facility.

## 5.7. Air and Dust

The management of air and dust is to be conducted in accordance with the requirements of the *Site Maintenance – Infrastructure Facilities SOP041* and *Site Maintenance – Transfer Station SOP047*. The purpose of dust management is to ensure that the neighbouring properties are not adversely affected by dust produced by site operations. Dust suppression system is installed within facility reflective of consent SSD 7267 requirements

### 5.7.1.Management Strategy

Potential dust nuisance from the waste streams is controlled through simultaneous dust and odour misting system that automatically runs in the transfer shed. The misting system drops mist from the ceiling of shed either in auto or manual mode. The site also has access to water and hoses to wet down waste on the hard stand if necessary. This system can also be used manually when required

Dust created from road use is controlled by maintaining the roads in good conditions, road sweeping and cleaning with bob cat.

Dust and air are also monitored by a 3<sup>rd</sup> party to show that dust isn't affecting neighbours and that dust levels are appropriate for occupational health.

FORM026 site weekly checklist is used to monitor and record the operational status of the dust suppression system and deodoriser lines, weekly cleaning of surge pit and tipping floor and recording of previous date for cleaning down of walls.

### 5.7.2.Infrastructure and Collection

Deodouriser Dust Suppression System consists of:

- Ceiling piping infrastructure as per consent SSD7267;
- Nozzels; and
- Pump.

The odour and dust misting systems are checked on a weekly basis via the WPRRF Weekly Inspection checklist FORM026.4.47 and serviced quarterly by a 3<sup>rd</sup> party.



### 5.7.3. Notification Requirements

The EPA must be notified refer to 5.4. (see **Appendix 5**)

## 5.8. Odour

The management of odour is to be conducted in accordance with the requirements set out in *Odour Management SOP065*. The purpose of odour management is to ensure that the neighbouring properties are not adversely affected by odour from on-site operations.

### 5.8.1. Management Strategy

Potential odour nuisance from waste streams is controlled as mentioned above through a Deodouriser Dust Suppression System. The site can use different masking odours which are automatically added into the misting system. This system can also be used manually when required

### 5.8.2. Infrastructure and Collection

Deodouriser Dust Suppression System consists of:

- Ceiling piping infrastructure;
- Nozzels; and
- Pump.

The odour and dust misting system is checked on a weekly basis via the WPRRF Weekly Inspection checklist *FORM016.4.47* and *WPRRF Weekly Odour Monitoring Checklist FORM026.4*.

### 5.8.3. Notification Requirements

The EPA must be notified refer to 5.4. (see **Appendix 5**)

## 5.9. Litter

The management of litter is to be conducted in accordance with the requirements of the *Site Maintenance – Infrastructure Facilities SOP041* and *Site Maintenance – Transfer Stations SOP047*. The purpose for control and management of litter is to ensure that the local amenity isn't affected by wind-blown litter.

### 5.9.1. Management Strategy

The site has a purpose built litter fence in addition to other site fences to prevent litter from leaving the site. The site also follows housekeeping standards and makes sure litter is cleaned up on a routine basis.

### 5.9.2. Monitoring Requirements

The following checks are completed using the *WPRRF Weekly Inspection Checklist FORM026.4.47* to ensure litter is controlled;

- Roads and entrance/exit checked for litter;
- Fences in good condition; and
- Housekeeping standards maintained daily.

## 5.10. Noise

The management of noise is to be conducted in accordance with the requirements of the *Site Maintenance – Infrastructure Facilities SOP041* and *Site Maintenance – Transfer Stations SOP047*. The purpose of noise management is to ensure that no loss of amenity is caused to neighbours from noisy operations on site or risk to the health and safety of workers on site.

Independent noise monitoring will be conducted annually. Noise from the premises will be measured at the most affected point within the residential boundary, or at the most affected point within 30 meters of the dwelling where the dwelling is more than 30 meters from the boundary, to determine compliance with the noise levels in the licence and consent.



Location	Day L <sub>Aeq</sub> (15 minute)	Evening L <sub>Aeq</sub> (15 minute)	Night L <sub>Aeq</sub> (15 minute)	Night L <sub>A1</sub> (1 minute)
All residential receivers	35	35	35	45

Annual monitoring results will be sent to the EPA.

## 5.10.1. Management Strategy

The site equipment and activities are conducted to prevent adverse noise levels during normal operations and during adverse weather conditions. by use of appropriate and well maintained equipment on site . Noise monitoring is completed by a 3<sup>rd</sup> party to check levels at boundary and to ensure appropriate levels for occupational health.

- The use of appropriate and well-maintained machinery manufactured to appropriate design specifications
- Process activities conducted during specified operating hours.
- Implement best practice, including all noise mitigation measures to prevent and minimise operational, low frequency and traffic noise
- Minimise noise impacts during adverse meteorological conditions through use of facility doors being closed where practicable and limiting unnecessary plant use. Limit use of dozer and replace with excavator where possible.
- Maintain the effectiveness of any noise suppression equipment on plant at all times including reversing beepers / quackers and rubber blade buffers on loaders. Damaged or defective plant & equipment is to be tagged out until fully repaired and fit to return to service
- Regularly assess noise emissions and where necessary modify or cease operations until compliance is maintained.

In addition, vehicles entering the site must adopt the following measures to ensure noise is minimised by restricting the number of waste transport vehicles in operation during the early hours of the day:

- All vehicles are to limit the use compression breaking;
- All vehicles are required to adhere to site sign posted speed limits; and
- All vehicles are to be operated between the allowed hours of operations.

## 5.11. Pests and Vermin

The management of pests and vermin is to be conducted in accordance with the requirements of the *Site Maintenance – Infrastructure Facilities SOP041* and *Site Maintenance – Transfer Stations SOP047*. The purpose of pest and vermin management is to reduce the impact on amenity to neighbours and the community caused by pests and vermin on site.

### 5.11.1. Management Strategy

The site uses various methods and strategies to prevent pests and vermin. There are various strategies that are following routinely to prevent pests and vermin, including:

- Containment of waste.
- Removal of waste.
- Emptying of bins on site Daily as required.
- Litter/waste clean-up.
- Daily and weekly housekeeping.
- Scheduled pest control by 3<sup>rd</sup> party

The following are strategies that will be implemented if/when required.

- Target pest and vermin treatments.

### 5.12. Fire Detection

Fire detection and early control of fires is important in the waste industry to prevent environment pollution from the burning of waste. The WPRRF has a fire sprinkler system installed within the receival hall, load out tunnel, recycling plant area and within administration office with a back to base fire alarm system. There are fire extinguishers, hose reels, hydrants and thermal cameras are located around the site, this includes the load out tunnel and recycling plant. The purpose of the fire detection is to ensure the authorities and site personnel are notified as early as possible to the risks to workers, neighbours and the environment.

#### 5.12.1. Management Strategy

WPRRF is committed to managing the risk of fire. The site implements all practical measures to prevent fires on site, including providing feedback to customers on hazardous wastes, clearing the waste and remaining vigilant during waste acceptance. WPRRF conducts 6 monthly fire equipment inspections, annual fire statement, annual sprinkler and hydrant flow tests, and conducts a 5 yearly hydrostatic test, all by a qualified 3<sup>rd</sup> party.

There are thermal Mobotix cameras installed on site.

All Operators are trained in basic firefighting skills, there are trained wardens on site

#### 5.12.2. Sampling Equipment and Instructions

Fire equipment is tested as per the Australian Standard for inspection and testing frequencies.

#### 5.12.3. Notification Requirements

The EPA must be notified refer to 5.4. (see **Appendix 5**)

## 6. Definitions

**Leachate** – A liquid that has percolated through and/or been generated by decomposition of waste material. It includes water that comes into contact with waste and is potentially contaminated by nutrients, metals, salts and other soluble or suspended components and products of decomposition of the waste.

## 7. Related Documents

DOCUMENT NAME	REFERENCE
Traffic Management Plan	PLANS002
Emergency Response Plan (includes Pollutant Incident Response Management Plan)	PLANS003
Spill Response	SOP007
Hazardous chemicals including dangerous goods	SOP017
Asbestos Waste	SOP029
Leachate Management	SOP036
Calibration and servicing of equipment	SOP037
Site Maintenance – Infrastructure facilities	SOP041
Site Maintenance – Transfer Stations	SOP047
Odour Management	SOP065
Environmental Complaints Management	SOP066
Water Management	SOP069
Plant Management	SOP085
Utility Services	SOP102
WPRRF Weekly Inspection Checklist	FORM026.4.47
WPRRF Weekly Odour Monitoring Checklist	FORM026.4
Trade Waste monitoring log	FORM075

## 8. Review and Document Control

VERSION	CHANGE	REVIEWED	AUTHORISED	DATE ISSUED
1	Initial Issue.	Jacque Simmons / Compliance Officer		May 2019
2	Review and updated to current PROC and SOPs	Compliance Officer		16/10/15
3	Reviewed and updated	Compliance Officer	Nat. EQS Mgr	11/10/17
4	Reviewed to include stage one and stage two works. Revision and update following DPIE review	Site Manager	State EQS Mgr	01/11/19
5	Reviewed EMP, Addition of Stakeholder section, Change in Organisational Structure, updated Compliance Office to Environmental Advisor	Environmental Advisor	Environmental Manager NSW	15/09/21

## 9. Appendices

### APPENDIX 1. Environment Protection Licence, 4548

Section 55 Protection of the Environment Operations Act 1997

## Environment Protection Licence

Licence - 4548



#### Licence Details

Number:	4548
Anniversary Date:	15-June

#### Licensees

SITA AUSTRALIA PTY LTD  
20 DAVIS ROAD  
WETHERILL PARK NSW 2164

#### Premises

WETHERILL PARK RESOURCE RECOVERY FACILITY  
20 DAVIS ROAD  
WETHERILL PARK NSW 2164

#### Scheduled Activity

Waste Processing (non-thermal treatment)  
Waste Storage

#### Fee Based Activity

#### Scale

Non-thermal treatment of hazardous and other waste	Any T treated
Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	> 0 T stored
Waste storage - other types of waste	> 0 T stored

#### Region

Waste & Resources - Waste Management  
59-61 Goulburn Street  
SYDNEY NSW 2000  
Phone: (02) 9995 5000  
Fax: (02) 9995 5999  
PO Box A290 SYDNEY SOUTH  
NSW 1232

## APPENDIX 2. Waste Acceptance Type and Quantity Limits

Code	Waste	Description	Activity	Other Limits
NA	Office and Packaging Waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	General solid waste (putrescible)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	Maximum of 10,000 tonnes to be received per 12 months.
NA	Virgin excavated natural material	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Garden waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Wood waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Waste mineral oils unfit for their original intended use	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
N/A	Gas bottles		Waste storage	NA
D220	Lead acid batteries	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
F100	Waste ink, dye, pigment, paint, lacquer & varnish	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Asbestos waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Building and demolition waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Household waste from municipal clean-up that does not contain food waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Waste collected by or on behalf of local councils from street sweeping	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Non-chemical waste generated from manufacturing and services (including metal, timber, paper, ceramics, plastics, thermosets, and composites)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA

**Source:** Department of Environment Protection Authority – Licence

**Licence:** 4548

**Licence Issue Date:** 4<sup>th</sup> August 2015

### APPENDIX 3. Waste Management – General Solid Waste (Putrescible)

#### O6 Waste management

##### General Solid Waste (putrescible)

- O6.1 The licensee must keep general solid waste (putrescible) in a separate designated area from all other wastes received at the Premises.
- O6.2 General solid waste (putrescible) must not be mixed with any other wastes received at the Premises.
- O6.3 The licensee must remove all general solid waste (putrescible) within 24 hours of it being received at the Premises.

**Source:** Department of Environment Protection Authority – Licence

**Licence:** 4548

**Licence Issue Date:** 4<sup>th</sup> August 2015

### APPENDIX 4. Monitoring Requirements

#### M4 Other monitoring and recording conditions

##### Monitoring of waste(s) received

- M4.1 The licensee must record the following information for each load of waste(s) received at the premises:
  - (a) the registration number of the vehicle;
  - (b) the time and date of receipt of the waste;
  - (c) the source of the waste;
  - (d) the type(s) of waste; and
  - (e) the quantity of each type of waste (in tonnes).

**Source:** Department of Environment Protection Authority – Licence

**Licence:** 4548

**Licence Issue Date:** 4<sup>th</sup> August 2015



## APPENDIX 5. Notification Requirements

### R2 Notification of environmental harm

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

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

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.

**Source:** Department of Environment Protection Authority – Licence

**Licence:** 4548      **Licence Issue Date:** 4<sup>th</sup> August 2015

**APPENDIX 6. Consent to Discharge – Sydney Water**
**Consent to Discharge Industrial Trade Wastewater**
**SYDNEY WATER CORPORATION**
**and**
**SUEZ RECYCLING & RECOVERY PTY LTD**
**A.B.N. 70 002 902 650**
**ACTIVITY: WASTE TRANSFER STATIONS (GE08)**
**RISK INDEX: 07**
**CONSENT NO: 7976**
**CONNECTION NO: 1**
**PROPERTY NUMBER: 4477822**

This **CONSENT** is made on  
Executed for and on behalf of  
Sydney Water Corporation

day: 7 month: 6 year: 2017

By



(Signature)

Caleb Furner  
Manager Major Customers

In the presence of:

Witness



(Signature)

John Mawbey

(Print name of witness)

Executed for and on behalf of  
the Customer:



(Signature)

By

ROBERT COLTHARD SITE MANAGER.

(Print name and position of person signing)

who warrants s/he has sufficient authority to execute this consent.

In the presence of:

Witness



(Signature)

Jacquie Simmons

(Print name of witness)

*This consent must be executed by the Customer prior to execution by Sydney Water and submitted by the Customer to Sydney Water for its consideration. Submission of a consent executed by the Customer under no circumstances obliges Sydney Water to enter into or complete the consent. Submission of an executed consent by the Customer constitutes an application for a consent which Sydney Water may in its reasonable discretion reject, or with the consent of the Customer modify any of the proposed terms thereof.*

**Source:** Sydney Water Corporation – Consent to Discharge

**Consent:** 7976

**Licence Issue Date:** 7 June 2017

**APPENDIX 7. Development Consent**
**Development Consent**

Section 89E of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning under delegation executed on 14 September 2011, the Planning Assessment Commission (the Commission) of New South Wales, approves the Development Application referred to in Schedule 1, subject to the conditions in Schedule 2.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the Development.



**Ross Carter**  
Member of the Commission



**Dianne Leeson**  
Member of the Commission

Sydney

11 September 2017

**SCHEDULE 1**

Application No:	SSD 7267
Applicant:	SUEZ RECYCLING & RECOVERY PTY LTD
Consent Authority:	Minister for Planning
Development:	Alteration and additions to and an increase in the processing capacity of an existing waste transfer station to 230,000 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (putrescible) and 90,000 tpa of general solid waste (non-putrescible)

**Source:** Department of Planning - Development Consent

**Consent:** SSD 7267

**Approved:** 11<sup>th</sup> September 2017

## APPENDIX 8. Modification of Development Consent

### Modification of Development Consent

#### Section 4.55(1A) of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning, under delegation executed on 11 October 2017, I approve the modification of the development consent referred to in Schedule 1, subject to the conditions outlined in Schedule 2.

  
 Chris Ritchie  
 Director  
 Industry Assessments

Sydney 4 APRIL 2019 File: EF18/45114

#### SCHEDULE 1

<b>Application No:</b>	SSD 7267
<b>Applicant:</b>	SUEZ RECYCLING & RECOVERY PTY LTD
<b>Consent Authority:</b>	Minister for Planning
<b>Development:</b>	Alterations and additions to and an increase in the processing capacity of an existing waste transfer station to 230,000 tonnes per annum (tpa) of waste including 140,000 tpa of general solid waste (putrescible) and 90,000 tpa of general solid waste (non-putrescible)
<b>Date of Original Consent:</b>	11 September 2017
<b>Modification:</b>	SSD 7267 MOD 2 – staged construction and increase in the processing capacity of general solid waste (putrescible) and amendment to site layout.

**Source:** Department of Planning – Modification of Development Consent

**Consent:** SSD 7267      **Approved:** 4<sup>th</sup> April 2019

**APPENDIX 9. Flood Emergency Response Plan**

# FLOOD EMERGENCY RESPONSE PLAN (FERP)

for  
**SUEZ Resource Recovery Facility**  
**20 Davis Rd, Wetherill Park NSW**  
as of

**November 2018**

**Person in Charge of FERP:** Chief Warden

**FERP Team Members:** Deputy Warden  
Wardens  
First Aiders

**1. Introduction:** This Flood Emergency Response Plan (FERP) has been established to clearly define actions that should be taken in the event of a pending flood event to our site. The plan is designed to proactively outline actions to be taken to prevent loss of life and physical injuries to persons on site, damage to buildings, machinery and equipment and stock /supplies at this site in order that we may resume operations as quickly as possible after the flood event is over. The FERP has been prepared with reference to the Flood Risk Management Guidelines (FRGM) (OEH 2017). The FERP considers the provisions of the FRGM with the applicable guideline being *Flood Emergency Response Planning Classification of Communities*. The development has been assessed against *Figure 1 – Preliminary Flow Chart for Flood Emergency Response Classification* to determine the FERP Response Classification of Communities, with the resultant classification being "High Trapped Perimeter Area" as noted in section 2 of this FERP. The FERP addresses the provisions of this classification which states "*Vehicle evac must be completed before routes close. After closure resupply insitu or transported by Air/Boat*". As the site is cut-off by the short duration overland flow flood event refuge on-site is proposed under Section 5 of this FERP, which also notes when the predicted safe evacuation of the site can be undertaken. This plan is to be updated every 5 years, as indicated in the Floodplain Development Manual.

**2. Overview of flood threat:** The SUEZ Resource Recovery Facility site is exposed to overland flooding from the west. Flood mapping created by Golder Associates (Refer Appendix A) shows the predicted overland flow passing from the western boundary through the northern east-west driveway of the site, then heading east along Davis Rd. The predicted depth of flow for the 100-year storm, a storm event with a likelihood of 1% to occur in a single year, is approximately 300mm along the Northern driveway, and a top water level of 40.40 is reached along the western

17265\_FERP\_REV7



APPENDIX 10. Odour Management Plan

---

# Odour Management Plan

## Wetherill Park Resource Recovery Park

Document #: PLANS004.7.2

Issue date October 2019

Version 1



APPENDIX 11. Operational Traffic Management Plan

---

# Operational Traffic Management Plan

## Wetherill Park Resource Recovery Facility

Document #: PLAN002

Issue date October 2019

Version 4

Plan to specify the designated areas for various traffic flows throughout the facility.





**APPENDIX 12. DPE Approval of Flood Emergency Response Plan**



**Planning &  
Environment**

Ms Carol Ng  
Project Manager  
SUEZ Recycling and Recovery Pty Ltd  
PO Box 3500  
Rhodes NSW 2138

Contact: Susan Fox  
Phone: (02) 9274 6466  
Email: Susan.Fox@planning.nsw.gov.au

Our ref.: SSD 7267

Dear Ms Ng

**Wetherill Park Transfer Station  
Approval of the Flood Emergency Response Plan  
SSD 7267**

I refer to your emails dated 3 September 2018, 7 November 2018 and 10 December 2018 seeking approval for the Flood Emergency Response Plan (FERP) as required by Condition B20 of Schedule 2 of SSD 7267.

The Department has reviewed the FERP and concludes the plan addresses the relevant condition. As such, the following plan is approved:

- Flood Emergency Response Management Plan prepared by Sparks and Partners Consulting Engineers dated November 2018 (17265\_FERP\_REV7).

The Department notes that condition C2 and condition C4 requires the FERP to form part of the Construction Environmental Management Plan (CEMP) and the Operational Environmental Management Plan (OEMP) condition. Please ensure the FERP is included within the CEMP and OEMP.

Should you have any queries in relation to this matter, please contact Susan Fox, Senior Planning Officer on the above contact details.

Yours sincerely



Chris Ritchie  
**Director**  
**Industry Assessments**  
as delegate of the Planning Secretary

17/12/18.

## APPENDIX 13. Endeavour Energy limitations



### General Restrictions for Overhead Power Lines

Endeavour Energy wishes to provide the following list of 'General Restrictions' applicable to the '**Easement Area**'. It should be noted that these are indicative guidelines only and that this information should be administered in conjunction with the requirements of the Work Health and Safety (WH&S) Act and WorkCover legislation.

Endeavour Energy recommends a policy of '**prudent avoidance**' be adopted in relation to the use of the easement area for ongoing staff activities or work areas. Additionally, WH&S and WorkCover legislation should be consulted in relation to this matter.

As existing ground levels throughout the easement are unknown, it is assumed that minimum design clearances exist within the easement area. As such, references to permissible heights on any activity may alter from that stated within this document. **Written approval** must be sought for any activity within the easement area. For such approval, detailed plans drawn to scale and fully dimensioned showing property boundaries and other relevant information should be forwarded to Endeavour Energy.

Approval to encroach into the easement area will not be granted where an alternate site clear of the easement area exists. All approvals granted are subject to the encroachments being removed or relocated; at the owner's expense should Endeavour Energy require this for cable maintenance, construction or emergency works.

Should any earthing be disturbed whilst work is being carried out, all work should immediately cease and Endeavour Energy notified so that the earthing can be reinstated.

1. Construction of buildings (permanent or temporary) e.g. Houses, site-sheds, shipping containers, other substantial structures or parts thereof, including eaves, guttering and footings, shall not be erected within the easement area.
2. No encroachment into the easement will be permitted within 15 metres of the closest structure and 5 metres from the vertical projection of the closest conductor.
3. Changes to ground levels within the easement area are not permitted without the prior written approval of Endeavour Energy. Applications are to be supported by a geo-technical report prepared by a civil engineer.
4. **Statutory clearances to the conductors are to be maintained at all times.** It should be noted that power lines are designed to allow for sag and swing sideways, consequently allowance for this needs to be considered at all times. The statutory clearance from 0 kV to 132 kV conductors is 3 metres, in all directions, at all times. This measurement



---

# Odour Management Plan

## Wetherill Park Resource Recovery Park

Document #. PLANS004 Addendum 1

Issue date 22 September 2021

Version 2



## Table of Contents

1. Introduction .....	3
1.1. Overview.....	3
1.2. Objective.....	3
1.3. Description of Operations .....	3
1.4. Receptor Locations .....	3
2. Odour Management Plan Compliance Requirements .....	6
2.1. Development Consent.....	6
2.2. Environment Protection Licence .....	7
2.3. Odour Performance Criteria.....	7
3. Odour Management.....	7
3.1. Potential Odour Sources .....	8
3.2. Controls of Potential Odour Sources.....	8
3.2.1. Waste Reveal and Storage Area .....	8
3.2.2. Waste Pit .....	9
3.2.3. Vehicles Entering / Exiting the Site .....	9
3.2.4. Leachate Containment Tank and Stormwater Pits .....	9
3.2.5. General.....	9
3.2.6. Odour Monitoring Program .....	10
4. Environmental Incident Management and Community Engagement .....	11
4.1. Complaints Management.....	11
5. Contingency Plan .....	12
6. Review .....	17
6.1. Staff Training.....	17
6.2. OMP Review .....	17
6.3. Initial Odour Audit.....	17
6.4. Ongoing Odour Audits.....	17
7. Responsibilities .....	18
7.1. Site Manager.....	18
7.2. EQS and Compliance Personnel .....	18
7.3. Site Supervisor.....	18
7.4. Site Office Staff .....	18
7.5. Site Staff .....	18
8. Related Documents .....	19
9. Review and Document Control.....	19
10. References .....	20

Appendix A– Weekly Odour Monitoring Form ..... **Error! Bookmark not defined.**

## 1. Introduction

### 1.1. Overview

SUEZ Recycling and Recovery (SUEZ) Wetherill Park Resource Recovery Facility (WPRRF) is located at 20 Davis Road, Wetherill Park (the 'site'). The site already operates as a resource recovery facility, receiving General Solid Waste (putrescible) and General Solid Waste. Following environmental and developmental assessment, WPRRF has received approval to increase its capacity of putrescible waste. SUEZ is required to prepare an Odour Management Plan (OMP) as part of approval conditions. As such, this document sets out procedures and measures to be undertaken to mitigate and manage odour impacts.

The OMP forms part of the WPRRF Operational Environmental Management Plan (OEMP) (Document # PLANS004).

### 1.2. Objective

The objective of the Odour Management Plan (OMP) is to ensure that SUEZ is operating the WPRRF in a manner that does not cause or permit the emission of any offensive odour beyond the boundary of the site.

**Chapter 2** outlines requirements for the OMP. Amongst other things the OMP is to include a description of all potential odour sources and identify how odour control measures will be adopted to limit odour release.

Activities to manage potential odours from the operations will include identification of odour sources, odour monitoring, odour controls, complaint procedures, contingency planning and consultation.

The requirement is to 'implement the plan', which means that all operations must use the odour control facilities provided in design, and document the procedures to be followed in operations and maintenance to keep odour emissions within the levels necessary to meet the objective.

### 1.3. Description of Operations

WPRRF is licenced to receive and process up to 140,000 tonnes per annum (tpa) of general solid waste (putrescible), and 90,000 tonnes of general solid waste (non-putrescible) other limits N/A. Additionally, general solid waste (putrescible) will not be stored on site for more than 24 hours from the time of receipt.

Development Consent hours

Operational	Monday – Sunday	24 hours
-------------	-----------------	----------

WPRRF operates for general public in accordance with the hours listed below:

<b>Sunday</b>	<b>22:00pm to Saturday 13:00pm</b>
<b>Sunday</b>	<b>06:00am to 13:00pm</b>
<b>Public Holidays</b>	<b>Closed</b>

### 1.4. Receptor Locations

The identification of receptors was undertaken as part of the Odour Assessment that formed part of the Environmental Impact Assessment. Receptors are located around the WPRRF, primarily north and east of the facility, and are presented in **Table 1** and **Figure 1**. It is noted that the receptors are commercial properties, and residential properties are located further away (approximately 1.5 km).

Table 1: Receptor Locations

ID	Type	UTM Zone 56S	
		Easting (m)	Northing (m)
R1	Commercial	305,403	6,254,043
R2	Commercial	305,466	6,253,940
R3	Commercial	305,502	6,253,943
R4	Commercial	305,542	6,253,941
R5	Commercial	305,595	6,253,942
R6	Commercial	305,637	6,253,945
R7	Commercial	305,607	6,254,033



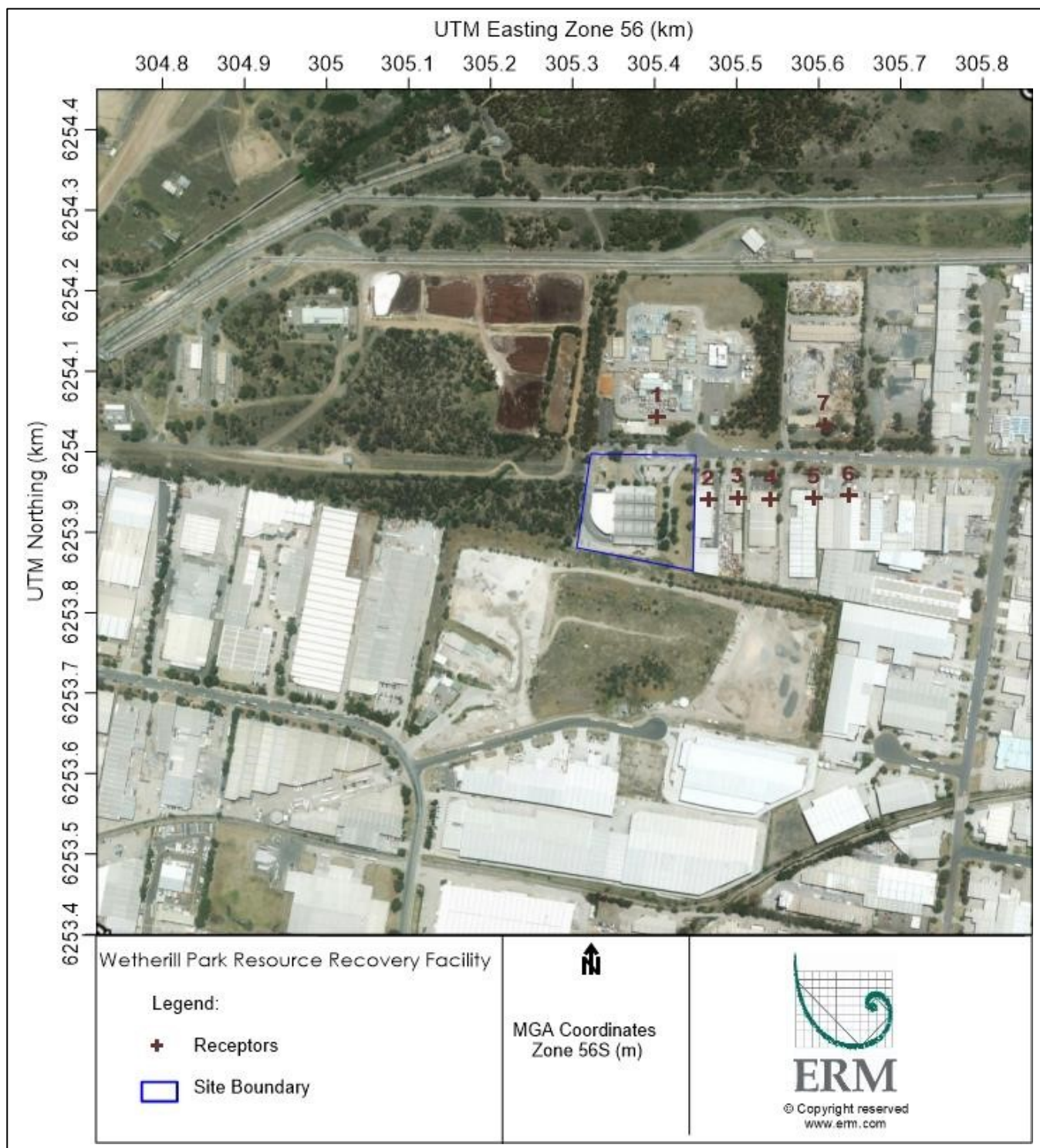


Figure 1: Location of Sensitive Receptors



## 2. Odour Management Plan Compliance Requirements

An OMP is required for the WPRRF operations as part of site Development Consent conditions and the Environment Protection Licence. The OMP forms part of the OEMP, and has been prepared in accordance with the conditions as outlined below.

### 2.1. Development Consent

An Odour Management Plan is required as part of the site Development Consent SSD 7267 (the 'Development Consent'), dated 11 September 2017 and modified 4 April 2019. Relevant Development Consent conditions are outlined in Table 2.

Table 2: Development Consent Conditions

Condition	
Odour Management	
B7	The Applicant must ensure the Development does not cause or permit the emission of any offensive odour (as defined in the POEO Act).
B8	Prior to the commencement of expanded operations and to the satisfaction of the EPA, the Applicant must: <ul style="list-style-type: none"> <li>(a) install deodorising sprays over the vehicle entrance and exits; and</li> <li>(b) apply a sealant to the concrete working floor in the receival hall to prevent the absorption of leachate into the tipping floor.</li> </ul>
B9	During operations, the Applicant must: <ul style="list-style-type: none"> <li>(a) conduct a weekly wash-down of any tipping area and surge pit contaminated with putrescible waste;</li> <li>(b) conduct annual wash down of interior walls and surfaces;</li> <li>(c) ensure that all trucks and trailers parked at the site are cleaned fortnightly; and (d) ensure that deodorising sprays are operational at all times.</li> </ul>
Odour Management Plan	
B14	Prior to the commencement of expanded operations, the Applicant must prepare an Odour Management Plan (OMP) to the satisfaction of the EPA and the Secretary. The OMP must form part of the OEMP required by Condition C4 and be prepared in accordance with C6. The OMP must: <ul style="list-style-type: none"> <li>(a) be prepared by a suitably qualified and experienced person(s) in consultation with the EPA;</li> <li>(b) describe the measures that would be implemented on-site to ensure: <ul style="list-style-type: none"> <li>i. odour emissions are minimised, including details of the air pollution control devices and all other operational odour mitigation measures;</li> <li>ii. compliance with the relevant conditions of this consent;</li> <li>iii. compliance if adverse odour emissions occur or appear likely to occur;</li> </ul> </li> <li>(c) include an ongoing monitoring program;</li> <li>(d) include well defined triggers for the deployment of odour mitigation and contingency measures; and</li> <li>(e) include a protocol which includes contingency measures for system failures.</li> </ul>
B15	The Applicant shall ensure the OMP (as required and approved by the Secretary from time-to-time) is implemented for the operational life of the Development.
Odour Audit	
B16	The Applicant must carry out an Odour Audit of the Development no later than six months after the commencement of expanded operations. Division 2B of Part 6 of the EP&A Act applies to this audit which is for the purpose of validating the odour data used in the EIS. The audit must:

Condition	
	<ul style="list-style-type: none"> <li>(a) be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary;</li> <li>(b) audit the Development in full operation;</li> <li>(c) include a summary of odour complaints and any actions that were carried out to address the complaints;</li> <li>(d) validate the Development against odour impact predictions in the EIS and the RTS;</li> <li>(e) review the design and management practices in the Development against industry best practice for odour management;</li> <li>(f) identify suitable odour mitigation options and controls, including but necessarily limited to: <ul style="list-style-type: none"> <li>i. mechanical ventilation;</li> <li>ii. operation of the building under negative pressure to minimise fugitive emissions; and</li> <li>iii. odour capture and control options.</li> </ul> </li> <li>(g) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.</li> </ul> <p><b>Note:</b> The Odour Audit may be prepared so that it addresses the requirements of this consent and the EPL for the Development.</p>
B17	Within two months of commissioning of the Odour Audit required by Condition B16, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the Odour Audit report to the satisfaction of the EPA and Secretary, together with the Applicant's response to any recommendations contained in the Odour Audit report.
B18	The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of the Odour Audit report required by Condition B17.

## 2.2. Environment Protection Licence

The operation of the WPRRF is also subject to conditions of Environment Protection Licence 4548 ('EPL'). Specific conditions relating to odour are noted in **Table 3**. Table 3: Environment Protection Licence Conditions

Condition	
<b>L3</b>	<b>Potentially offensive odour</b>
L3.1	The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.
<p>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.</p>	

## 2.3. Odour Performance Criteria

Odour modelling and assessment undertaken as part of the Environmental Impact Assessment (Pacific Environment, 2016). From assessment of relevant regulatory requirements, it was determined that, based on the population density of the surrounding area, the impact assessment criteria of 2 OU (at the 99th percentile; EPA, 2005) is applicable for the site. It is predicted that operations at WPRRF will be able to meet the 2 OU assessment criteria at the closest commercial receptor locations identified in **Figure 1**.

## 3. Odour Management

Odour management will be undertaken to fulfil approval requirements, as well as meet SUEZ Odour Management procedure (Document # SOP065). Odour patrol will be completed in Intellex.

## 3.1. Potential Odour Sources

Following a detailed review of the WPRRF site operations SUEZ has identified a number of potential odour sources. The potential impacts of these odour sources have been quantified using the SUEZ internal risk management procedure. The potential odour sources have been ranked according to their inherent risk rating and is reflected in the list below:

1. Waste receival and storage area, including:
  - Tipping floor for processing putrescible waste;
  - Tipping floor for processing non-putrescible waste;
  - Including small vehicle unloading area
  - Including commercial vehicle unloading area
2. Waste Pit;
  - Waste pit for processing putrescible waste;
  - Waste pit for processing non-putrescible waste;
3. Vehicles entering/exiting the site; and
4. Leachate containment tank and stormwater pits.

## 3.2. Controls of Potential Odour Sources

As part of the risk management procedure controls have been identified and implemented to ensure that all potential odour sources are controlled and do not impact on neighbouring properties. The controls have been broken down into areas of potential odours sources which are listed below.

### 3.2.1. Waste Receival and Storage Area

- Waste received must comply with allowed waste listed in Condition L2.1 of Environment Protection Licence 4548. Waste type will be monitored by the weighbridge staff and site operators using the waste classification guidelines.
- Waste type will be monitored by the weighbridge staff and site operators using the waste classification guidelines.
- Retrieved Waste will be separated into marked zones by customers and operators. The waste will then be processed.
- Haz chem items are stored within IBCs, bunds, cage or drums. These are stored and clearly labelled while waiting collection.
- If odorous waste has been identified, it must be directed to the appropriate area, be stored within the building at all times, and processed as soon as possible.
- Equipment and work areas are regularly washed. In particular:
  - conduct a weekly wash-down of any tipping area and surge pit contaminated with putrescible waste;
  - conduct annual wash down of interior walls and surfaces; and
  - ensure that all trucks and trailers parked at the site are cleaned fortnightly;
- Litter patrols are conducted on a regular basis.
- Continue existing operation of the Deodoriser Dust Suppression System, installed in the roof over the waste surge pit and over all entry ways that contains odour suppressing compounds in the ultra-fine water fog.
- Waste delivery trucks entering the terminal would be required to be fully enclosed or covered.
- All waste received is to be delivered within the confines on the waste receivables hall in order to control the potential for odour release.
- Receival hall roller doors must be closed when site is not in operation.
- General solid waste (putrescible) is removed from site within a 24 hour period.

### 3.2.2. Waste Pit

- General Solid Waste (Putrescible) and General Solid Waste non-putrescible waste stream will be kept separate.
- If odorous waste has been identified, it must be directed to the appropriate area, be stored within the building at all times, and processed as soon as possible.
- The amount of General Solid Waste (putrescible) on-site within the receival hall will be minimised as much as reasonably practicable.
- General solid waste (putrescible) is removed from site within a 24 hour period.
- Wastes are transported to approved licenced disposal facilities Installed
- deodouriser suppression system above waste pit

### 3.2.3. Vehicles Entering / Exiting the Site

- If odorous waste has been identified, it must be directed to the appropriate area, be stored within the building at all times, and processed as soon as possible.
- Traffic management procedures to co-ordinate the delivery schedule and avoid a queue of the incoming or outgoing trucks for extended periods of time.
- Spill management procedures to include immediate cleaning up of any spill/leakage from incoming and outgoing trucks.
- Installed of deodouriser suppression system above vehicle entry and exit doors

### 3.2.4. Leachate Containment Tank and Stormwater Pits

- All liquid that comes into contact with waste is considered leachate.
- Routine site inspection will be conducted to observe wastewater treatment is operational, and promptly follow-up with any issues as per the Contingency Plan in **Section 5**.
- Routine site walks will be conducted to ensure stormwater drains are free of debris and/or waste. Debris/waste will be cleared from stormwater drains as soon as practicable.
- Leachate will be treated in the wastewater treatment plant on site, in accordance with the Trade Waste Agreement 7976 and the OEMP.
- SUEZ arranges collection and analysis of water sampling as per Trade Waste Agreement 7976 with the schedule of 90 days

### 3.2.5. General

- Ensure all machinery and equipment is maintained in accordance with manufacturer's recommendations, and keep maintenance records;
- An odour complaint database Intellex will be maintained. Where a complaint in relation to odour is received, immediately investigate any unusual odour sources (including spill or leakage in the traffic areas) within the site boundary and take appropriate action to eliminate these. Offsite odours not generated by the SUEZ facility will also be noted in Intellex inspections
- Operational practices and management plans will be reviewed regularly as outlined in **Section 6** and
- Provide relevant training to staff including:

- Site induction (including OEMP, OMP, TMP, ERP (PIRMP) and complaints procedures);
- Waste handling and transfer training;
- Machinery operation training;
- Spill response training
- Deodoriser Dust Suppression System training; and
- Toolbox meetings to discuss safety and/or compliance, conducted at least once a month.

### 3.2.6. Odour Monitoring Program

Weekly odour monitoring is required to ensure that all controls are effective and will include:

- The odour monitoring will be conducted as required.
- The Environmental Advisor or nominated person will conduct the odour monitoring to check for any unusual level of odour around the site.
- Specific locations to be visited during the odour monitoring is outlined within the Weekly Odour Monitoring checklist.
- The odour monitoring will include review of the controls on potential odour sources and the efficiency of the odour controls in place.
- If an unusual level of odour is detected the Site Manager should be notified so that the source can be determined and repaired.
- External odour monitoring to be completed proactively, during adverse weather conditions or in response to an odour complaint

## Incident Management and Engagement

### 4. Environmental Incident Management and Community Engagement

In accordance with the OEMP, all environmental incidents are to be recorded in accordance with the Incident Reporting and Corrective Action Procedure. Environmental complaints are handled in accordance with the Environmental Complaints Management Standard Operations Procedure (SOP). All environmental incidents and complaints are recorded in Intalex

The EPA Licence also has specific requirements relating to the notification of environmental harm. This is outlined in **Table 4**.

Table 4: Environment Protection Licence Notification of Environmental Harm Conditions

Condition	
R2	Notification of environmental harm
R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.
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.	

#### 4.1. Complaints Management

A Complaint and Incident Register (the 'Register') is to be maintained at the site by SUEZ and published on the SUEZ website in compliance with C11 of the consent SSD 7267. The Register will be maintained throughout the operational life of the site and will also be utilised as a tool to improve the management of the site.

A free call telephone line through SUEZ's Customer Service department operates 24 hours a day 7 days per week. Ph: 13 13 35 (COC 153). The details of all complaints received and actions taken in response to the complaints are kept on the SUEZ database through the Intalex system. Complaints received via the hotline are investigated and responded to within the allocated time frame. The information to be recorded as part of the investigation includes;

- Name of complainant;
- Contact details of complainant (e.g. telephone, email, postal address);
- Location, date and time at which alleged environmental impact occurred (street address);
- A general description of the nature of the environmental impact, including the following where applicable:
  - Duration and any pattern;
  - Character of odour;
  - Whether there were any adverse health effects related to the environmental impact;
  - What response has been requested or expected by complainant from SUEZ (e.g. a return phone call);
  - The likely source(s) of the cause of the complaint; and
- What the weather conditions (e.g. wind speed, wind direction, temperature) were like at the time of the alleged environmental impact.

All records of complaints are kept for a minimum of 4 years after the complaint is made and can be produced upon request.

## 5. Contingency Plan

In the event of an unpredicted event or incident that causes or has the potential to cause odour impacts beyond the boundaries of the site, the contingency plan, provided in **Table 5** should be implemented.

Table 5: Contingency Plan

Ref No.	Description	Operational Control(s)	Risk Rating	Asset Management Control(s)	Responsibility	Measure of Success
1.	Significant Rain Event – Storm or Severe Forecast	<p>Upon alert from the Bureau of Meteorology, review the site to ensure it is prepared for the rain event including:</p> <p>Ensure leachate tank has capacity;</p> <p>Ensure wastewater treatment plant is operational;</p> <p>Ensure stormwater tank has capacity, and keystone valve is operational;</p> <p>Ensure stormwater drains are free of debris;</p> <p>Ensure all doors are operational and closed.</p>	15 Medium		Site Manager / Site Supervisor / Site Office Staff	<p>Operational readiness plans in place according to BOM forecast.</p> <p>Operational Aerators.</p>



## Contingency Plan



2.	Waste Receival doors damaged and/or cannot close	Ensure that the main waste receival doors are always operational and closed outside of facility operational hours.  Damaged doors are repaired within 72 hours where practicable  Deodouriser installed above doorways	11 Medium	Spare door parts (eg actuator motors, runners, controls) to be held by supplier to ensure quick supply and repair.	Site Manager / Site Supervisor / Site Office Staff / Site Staff	Door repair repaired within 72 hours where practicable
Ref No.	Description	Operational Control(s)	Risk Rating	Asset Management Control(s)	Responsibility	Measure of Success
		Remaining functional doors can be closed  FORM026.4 – WPRRF Weekly Odour Monitoring				
3.	Deodoriser Dust Suppression System Failure	Contain all odours within the facility.  Remove faulty component and repair or replace with spare parts.  Waste removal from site as a priority	11 Medium	Ensure spare parts are in stock and labelled as per manufacturer's stocking levels. Ensure regular maintenance of system.	Site Manager / Site Supervisor / Site Staff	Immediate identification of failed component, repair undertaken with onsite stock (no downtime).

## Contingency Plan



4.	Odour Complaint received	If an odour complaint is received from the community, EPA or Council, follow the Suez Complaints procedure.  Intelix Odour Monitoring Weather station on site	6 Low		Site Manager / Site Supervisor / Site Office Staff / Site Staff	Compliance with complaints procedure.
5.	Leachate containment tank, stormwater tank and/or wastewater treatment plan faulty	Remove faulty component and repair or replace with spare parts.  Activate isolation valve Arrange pit pump outs	11 Medium	Ensure spare parts/chemicals are in stock and labelled as per manufacturer's stocking levels. Ensure regular maintenance is undertaken.	Site Manager / Site Supervisor / Site Staff	Immediate identification of failed component, repair undertaken with onsite stock (no downtime).

6.	Accidental Waste Deposited/Spilled Outside WPRRF Building	Immediately notify Site Manager and proceed to contain the waste and relocate to within the building.  Directions given to customer at the weighbridge on where to tip on site	6 Low		Site Manager / Site Supervisor / Site Office Staff / Site Staff	Immediate identification of waste and measures to contain waste.
7.	Excess waste received at the facility and processing capacity is exceeded and storage is not available	Divert waste loads to an alternate facility or send to suitably licensed landfill in line with Business Continuity Plan (PLANS006)  Monthly reporting to EPA - WARRP	13 Medium	Review process performance and planned production weekly	Site Manager / Site Supervisor	Monthly processing capacity matches or exceeds incoming.

## Contingency Plan



8.	Electrical Power Supply Failure	<p>Contain all odours within the facility.</p> <p>Upon power supply restoration check that all odour control plant is operating. Some may need to be reset.</p> <p>Underground utilities on site</p> <p>Access to back up generator for extended power outage</p> <p>Facility doors have manual override</p>	6 Low		Site Manager / Site Supervisor / Site Office Staff / Site Staff	Facility doors closed during power failure
9.	Site Machinery Failure (Including Dozer, Excavator, Front End Loader, Bobcat, Forklift)	All machines are on a lease arrangement. If downtime is longer than 24 hours, the supplier is required to provide a replacement.	6 Low	Ensure regular maintenance as per manufacturer's requirements.	Site Manager / Site Supervisor / Site Staff	Machine replacement within 48 hours, if required.

## Contingency Plan



10.	Truck Failure, unable to transport material	<p>Hire a replacement truck, or schedule additional walking floor loads. With remaining truck prioritise the transportation of material outside to reduce odour profile.</p> <p>Material must be covered as per licence conditions.</p> <p>Waste diversion in line with Business Continuity Plan (PLANS006)</p> <p>Enough trucks in fleet to accommodate out of service vehicles</p>	11 Medium		<p>Site Manager / Site Supervisor / Site Staff</p>	<p>Timely replacement of truck.</p> <p>No material stored in internal bunkers.</p>
-----	---	--	--------------	--	--	--

## Responsibilities

### 6. Review

#### 6.1. Staff Training

All staff will be trained on operation of machinery and equipment, SUEZ procedures and responsibilities outlined in the OEMP, OMP, TMP, ERP (PIRMP). Updated training will be provided if/when:

- New/upgraded machinery or equipment is provided; and Changes
- in SUEZ procedures, processes and/or standards.

#### 6.2. OMP Review

The OMP will be reviewed every two years, and as relevant if there are any changes to the operations. This is to ensure that best practice odour management practices have been implemented, and to make improvements to the OMP, where practicable.

#### 6.3. Initial Odour Audit

In accordance with Development Consent conditions, the first Odour Audit will be undertaken no later than six months after the commencement of expanded operations. The Odour Audit will:

- (a) be carried out by a suitably qualified, experienced and independent person(s), whose appointment has been endorsed by the Secretary;
- (b) audit the Development in full operation;
- (c) include a summary of odour complaints and any actions that were carried out to address the complaints;
- (d) validate the Development against odour impact predictions in the EIS and the RTS;
- (e) review the design and management practices in the Development against industry best practice for odour management;
- (f) identify suitable odour mitigation options and controls, including but necessarily limited to:
  - i. mechanical ventilation;
  - ii. operation of the building under negative pressure to minimise fugitive emissions; and
  - iii. odour capture and control options.
- (g) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.

#### 6.4. Ongoing Odour Audits

Following the first Odour Audit (refer **Section 6.3**), subsequent Odour Audits will be conducted by SUEZ personnel on an annual basis. Independent Odour Audits undertaken by suitably qualified, experienced and independent person(s) will be conducted on an as needs basis.

## Responsibilities

### 7. Responsibilities

#### 7.1. Site Manager

The site manager has responsibility for:

- Implementation of this plan;
- Conforming with the plan;
- Training of staff in the plan;
- Communication of the plan ;
- Reporting of incidents; and
- Ensuring corrective actions are taken.

#### 7.2. EQS and Compliance Personnel

Environmental, Quality and Safety (EQS) and Compliance Personnel have responsibility for:

- Carrying out control measures within their area of responsibility;
- Participating in and providing training;
- Ensuring site managers and supervisors are aware of their responsibilities under the SUEZ Odour Management procedure (Document # SOP065);

#### 7.3. Site Supervisor

The site supervisor has responsibility for:

- Ensuring adherence to this plan;
- Conforming with the site plan;
- Reporting of incidents; and
- Implementing corrective actions.

#### 7.4. Site Office Staff

Site office staff are responsible for:

- Informing the site manager/supervisor of non-conformity to the plan; and
- Reporting of incidents.

#### 7.5. Site Staff

All site staff are responsible for:

- Ensuring adherence to the plan;
- Conforming with site rules;
- Reporting of maintenance defects; and Reporting
- of incidents.

## Document Control

### 8. Related Documents

DOCUMENT NAME	REFERENCE
Operational Traffic Management Plan (OTMP)	PLANS002
Emergency Response Plan (ERP), including Pollution Incident Response Plan (PIRMP)	PLANS003
Operational Environmental Management Plan	PLANS004
Spill Response	SOP007
Odour Management	SOP065
Inspection Checklist	

### 9. Review and Document Control

VERSION	CHANGE	REVIEWED	AUTHORISED	DATE ISSUED
1	Initial issue	Site Manager	Nat EQS Adviser	1 Nov 2019
2	Review and update reference to Intalex, Environmental Advisor, Expanded operations	Environmental Manager NSW	Nat S&W Adviser	22 September 2021



## Appendices

### 10. References

- EPA (2005), "Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales". NSW Department of Environment & Conservation. Sydney.
- Pacific Environment (2016), "Wetherill Park Resource Recovery Facility Upgrade – Odour Assessment".
- Consent to Discharge Industrial Trade Wastewater between Sydney Water Corporation and SUEZ Recycling & Recovery Pty Ltd; Consent No 7976 (07//06/2017)
- Environmental Protection Licence 4548; Licence version date 4-Aug-2015

# Traffic Management Plan

MAN-5512-1

Issue Date: 6/11/2023



<b>PURPOSE</b>	<p>This Traffic Management Plan (TMP) details the framework for traffic management on-site. It covers all vehicles and pedestrian travel throughout all sites operated by Veolia.</p> <p>This plan covers Traffic Management at the <b>Wetherill Park Resource &amp; Recovery Facility (WPRRF)</b>, and is applicable to all persons working on or visiting this site. It is considered to be a live document and shall be regularly reviewed and improved. It shall be made readily available to all approved stakeholder groups, as and when required throughout the duration of the Contract.</p>
----------------	--

<b>Scope</b>	This manual applies to <b>Wetherill Park Resource &amp; Recovery Facility</b> .
<b>Review Frequency</b>	Annual

<b>CONTENTS</b>	<h2>Contents</h2> <ol style="list-style-type: none"> <li>1. 3</li> <li>2. 3</li> </ol> <p>Traffic ..... 3</p> <p>Types of Flow ..... 4</p> <p>Light Vehicle (Domestic) Movements ..... 4</p> <p>Commercial Vehicle Movements ..... 4</p> <p>Waste Transport Vehicle Movements ..... 4</p> <p>Plant Movements ..... 4</p> <p>    Pedestrian Movements..... 4</p> <p>    Accessing Site ..... 5</p> <p>Site Entry and Exit ..... 5</p> <p>Transfer Station ..... 5</p> <p>    General Site Traffic Rules ..... 5</p> <p>    Employees on Site ..... 6</p> <p>    Site Vehicle Drivers ..... 6</p> <p>    Noise ..... 6</p> <p>    Deliveries ..... 6</p> <p>    Pedestrians ..... 6</p> <p>Shared Traffic Areas ..... 6</p> <p>Plant Traffic ..... 7</p> <p>Uncovering / un-tarping ..... 7</p> <p>Waste Transfer Vehicle Traffic ..... 7</p> <p>Overloaded/Under Weight Transfer Vehicles ..... 7</p>
-----------------	--

	Site Actions/Procedures.....	7
	Site Parking .....	8
	Traffic Flows .....	8
	Signage .....	8
	Speed Limits.....	8
	Recovery of Vehicles and Mobile Equipment.....	8
	Compliance Monitoring.....	8
	Vehicle Inspections .....	9
	3. 11	
	Definitions .....	11
	4. <b>Error! Bookmark not defined.</b>	
	Appendix 1 - Site Plan .....	11
	Appendix 2 - Site Traffic Risk Assessment (see the Hazard and Risk Assessment template) .....	12
	Risk Methodology .....	12
	Hazard/Risk Assessment .....	13

## 1. Site Information

<b>Site Name</b>	Wetherill Park Transfer Station
<b>Site Location</b>	Wetherill Park NSW
<b>Site Purpose</b>	Receival and segregation of waste for transport to recycling facilities or disposal sites.
<b>Temporary or Fixed Site</b>	Fixed
<b>Operating Hours</b>	Monday - Saturday: OPEN 24 HOURS Site closes on Saturday afternoon at 4pm, reopening at 10pm Sunday evenings. Public Holidays 0400 am – 1pm

## 2. Site Traffic Management

### Traffic

This section covers:

- Accessing Site;

- General Site Traffic Rules;
- Employees on Site;
- Site Vehicle Drivers;
- Noise;
- Deliveries; and
- Pedestrians.

## **Types of Flow**

### **Light Vehicle (Domestic) Movements**

Light vehicle traffic (Domestic) includes, but is not limited to:

- Staff vehicles & Contractor vehicles
- Trade vehicles (up to 3 tonnes)
- Commercial (up to 4.5 tonnes)

### **Commercial Vehicle Movements**

Commercial vehicles include, but are not limited to:

- Local Council waste collection vehicles
- Third party waste collection vehicles
- Trade vehicles (in excess of 3 Tonnes)
- Heavy rigid and articulated vehicles (above 4.5 tonnes)
- Commercial (above 4.5 tonnes, excluding b-doubles)

### **Waste Transport Vehicle Movements**

Waste transfer vehicles include:

- Walking floor trailers (tri-axle and quad axle) for transport of wastes to other facilities
- Commercial vehicles (through the removal of recyclables)
- Hook lift vehicles used for transport of hook lift bins
- Roll On Roll Off (RORO) vehicles used for transport of RORO bins
- Liquid tanker
- Containers

### **Plant Movements**

Plant movements include:

- Dozer
- Excavator (2)
- Loaders (1)
- Skid-steer (1)
- Waste Transfer vehicles (6)
- Forklifts (1)

### **Pedestrian Movements**

Site personnel:

- Weigh bridge staff
- Machinery/Plant operators
- Approved contractors (e.g. Mechanics, Electricians, plumbers)
- Transport operators
- Supervisory and Management staff
- Administrator staff

- Authorised visitors and customers

Customers

- General public or non-site personnel
- Commercial

## Accessing Site

- All vehicles accessing site shall adhere to the Deliveries and Site Visitor Entry Restrictions;
- All roadways are a shared zone for both vehicles and pedestrians;
- All personnel accessing site are to report to the site office and sign in; and
- Perform a BAC test when required.

## Site Entry and Exit

- All Domestic and Commercial traffic entering and exiting the premises are directed through the site weighbridge. The weighbridge staff direct all vehicles entering the site via the weighbridge to the appropriate entry door according to the waste type and vehicle carrying the load. Waste Transfer Vehicles enter the site and immediately veer left onto the Load-Out Tunnel access road.
- All visitors and contractors are required to sign in and out using our Rapid Global Sign-In Portal located at Reception or the Weighbridge upon entry and exit.
- All Domestic, Commercial, retrieved waste vehicles and Waste Transfer Vehicles exit the site via the "Out" weighbridge and then proceed onto Davis Road.

## Transfer Station

- Domestic customers are directed to enter the receival hall via the western doorway (Gate 2) and to tip at the appropriate area (see Diagram 2). Customers are advised of the appropriate area by the Weighbridge Operator.
- All domestic customers are to reverse no less than 2 metres from the surge pit edge and to tip their waste directly onto the floor beside the surge pit
- After unloading customers exit through the southwestern doorway and proceed to the "Out" weighbridge
- Domestic Asbestos customers are informed by the weighbridge operator to enter the receival hall via the western doorway (Gate 2) and proceed through the receival hall exiting the southwestern doorway and to proceed to the asbestos area where they will be met by an Operator who will open the asbestos bin and supervise the unloading of asbestos and reject any loads that are not wrapped correctly or too large. The customer is not to leave the weighbridge until the weighbridge operator has confirmation from an operator within the receival hall that there is someone available to supervise the unload.
- All Commercial loads are directed to enter via the eastern doorway (gate 1) and to tip off on the floor on the western side of the surge pit, loads of putrescible waste are to be tipped off at the front (southern end) of the surge pit (this waste is not to be tipped directly into the surge pit).

**Note: entrances (Gate 1 and 2) are equipped with operator-controlled boom gates to control the flow of traffic.**



## Appendix 1 - Site Diagram



### General Site Traffic Rules

- Drivers are to obey all speed restrictions;
- The site speed limit is 10km/hour
- All posted signage shall be observed and followed;
- All traffic is to stop at the "Stop" sign on entry to the "In" weighbridge
- All traffic is to stop at the "Stop" sign at the site exit out onto Davis Road.
- Vehicles carrying a load have right of way over vehicles without a load;



- Vehicles travelling in reverse have right of way over other vehicles;
- Where 2 or more vehicles arrive at an intersection, the vehicle on the right has right of way;
- All vehicles are to have flashing lights operating when being used;
- Where provided pedestrian walkways or lines shall be used by pedestrians;
- Children must remain in vehicles at all times (except under evacuation procedures)
- Pets are not allowed outside of vehicles (except under evacuation procedures)
- A Permit to Work (FORM035) is required for all high-risk tasks performed on site.
- All staff and visitors are to reverse park into the provided parking spaces
- Scavenging is not permitted
- Smoking is only allowed in the designated area
- Use of mobile phones is not permitted on site while operating a fixed/mobile plant, vehicles or whilst walking around site.
- Photos are not permitted without prior approval from the Site Manager.
- Hard hat is to be worn when walking in Tunnel
- A spotter shall be required in the movement of any Elevated Work Platform (EWP); and
- Site traffic rules have been communicated to all employees, contractors, delivery drivers and visitors on this site. Site inductions include reference to site traffic rules.

## **Employees on Site**

- All site traffic rules shall be employed by all entrants to this site. Breaches of the site traffic rules shall cause site entrant to be banned from this site;
- All site entrants shall receive an appropriate site induction prior to entering the site;
- All site entrants shall wear the appropriate Personal Protective Equipment (PPE);
- All entrants shall alert site management to all circumstances where site rules are not followed; and
- All visitors and contractors shall be authorised to enter the site, undertake an appropriate site induction, and shall be accompanied by a site inducted employee as required on this site.

## **Site Vehicle Drivers**

All personnel operating machinery and plant or driving light/heavy vehicles shall adhere to Veolia driving requirements. Personnel required to operate or drive vehicles on site shall produce the following:

- A valid state/region driver's licence and/or competencies to operate plant and equipment related to their role on site;
- Permission to operate Veolia vehicles;
- Any relevant licences/tickets associated with a vehicle;
- A valid alcohol test to demonstrate they are fit for work as required;
- Evidence of completion of a nationally accredited 4WD training course or defensive driving course in order to drive a light vehicle (within 30 days of commencement of employment if applicable);
- All operators shall attend and complete the site induction;
- Any driver intending to drive a 4x4 vehicle off of a known roadway or track (off-road) shall complete a nationally accredited 4WD training course; and
- All off road 4x4 driving shall be approved by the Site Manager.

## **Noise**

- Noise shall be generated during operational activities and by vehicles accessing or travelling around the site, this is to be minimised and/or monitored by persons performing the task and, if necessary, reported to the SHEQ Team; and
- If a complaint is made by a member of the public it is to be reported directly to the SHEQ Team for investigation.

## **Deliveries**

- General deliveries of miscellaneous materials shall occur over the duration of the operation. Deliveries of all materials shall be scheduled, where feasible;

- All delivery drivers shall report to on site security/reception for instruction; and
- Where required delivery drivers shall undertake a Delivery Driver Induction prior to proceeding on site.

## **Pedestrians**

- All pedestrians shall ensure appropriate people are aware they shall be entering a site;
- Pedestrians shall report to the control room and advise operations of the activity they are to perform on high risk sites;
- Pedestrians shall use walkways designed for pedestrian use;
- If a vehicle is approaching the pedestrian shall:
  - Stop and face the oncoming traffic;
  - Gain eye contact with the driver; and
  - Remain stationary until the traffic has passed.
- Pedestrians shall wear appropriate Personal Protective Equipment (PPE) as per company induction, and at all times they are traversing the site.

## **Shared Traffic Areas**

- Receival Hall Commercial side – Commercial Vehicles and Plant
- Receival Hall Domestic side – Domestic Vehicles and Plant
- Exit Road – Commercial and Domestic Vehicles with Waste Transfer Vehicles
- Bobcat is used on all roads for cleaning
- Recycling plant area – Commercial vehicles and plant

## **Plant Traffic**

- Plant traffic movement can be conducted on either side of the surge pit, except for the dozer which works within the surge pit
- For the refuelling of plant, they are to be parked up at the northern end of the surge pit near the fuel bower, out of the way of all vehicles entering the station
- Plant has access to the load out tunnel for cleaning purposes.
- All plant has the right of way
- The bobcat accesses all roadways for cleaning

## **Uncovering / un-tarping**

- Uncovering of vehicles is conducted before entering the tipping area. If recovering / tarping is required, this is completed in the gantry zone prior to leaving site.

## **Waste Transfer Vehicle Traffic**

- Waste Transfer Vehicles driven by our third-party contractor, enter the site and immediately veer left to the load out tunnel access road.
- These vehicles travel down the access ramp (only after being given all clear over the 2 way), they are then loaded in the tunnel and then exit out the tunnel via the exit ramp.
- They will then merge with the traffic stream exiting from within the Receival Hall as they leave the ramp, they will clean off at the gantry then cross the "Out" weighbridge and exit the site
- Loaded trailers leaving site are to be loaded as per PLANS008 Chain of Responsibility Management Plan

## **Overloaded/Under Weight Transfer Vehicles**

- Waste Transfer Vehicles that are observed to over/under weight exit the site, turn around in the Davis Road Cul-de-sac. They then re-enter the site and veer left onto the load out tunnel access road and travel down the ramp (only after being given the all clear over the 2-way).

- The excess waste is removed, or additional waste is loaded into the transfer vehicles they then exit the tunnel via the tunnel exit ramp.
- They will then merge with the traffic stream exiting from within the Receival Hall as they leave the ramp, they will clean off at the gantry again then cross the “Out” weighbridge and exit the site
- Loaded trailers leaving site are to be loaded as per PLANS008 Chain of Responsibility Management Plan.

## Site Actions/Procedures

This section covers:

- Journey Management Plans;
- Site Parking;
- Traffic Flows;
- Signage;
- Speed Limits;
- Recovery of Vehicles and Mobile Equipment;
- Compliance Monitoring; and
- Vehicle inspections.

## Site Parking

All vehicles on site shall be parked in designated parking areas as defined in the site plan at [Appendix 1](#). On this site the parking rules are:

1. All vehicles shall park in designated parking spaces;
2. All vehicles shall reverse park; and
3. When reversing on site, vehicles shall have a competent person assisting unless defined.
4. All visitors are required to sign in at Reception using our Rapid Global Sign-In Portal or at the Weighbridge.
5. All visitors are required to sign out before leaving the site
6. Vehicles exiting the carpark, cross the incoming traffic lanes and turn right to exit the site. Caution must be taken when crossing traffic lanes and joining the other vehicles exiting the site.
7. Transfer trailer are to be park in the truck parking bays.

## Traffic Flows

All traffic flows, pedestrian routes and vehicle waiting areas are defined in the site plan at [Appendix 1](#).

## Signage

- Road signs shall be designed in accordance with [AS 1742 - Manual of Uniform Traffic Control Devices](#) or equivalent (and manufactured in accordance with [AS 1743 - Road Sign Specifications or equivalent](#));
- Signs are to be checked for damage and cleanliness and repaired, replaced or cleaned as necessary; and
- Changes to sign location shall be communicated at daily pre-starts and toolbox meetings with the associated updates to this TMP undertaken as necessary.
- Signs and devices shall be erected with consideration of the following:
  - They are properly displayed and securely mounted;
  - They are within the driver's line of sight;
  - They shall not be obscured from view;
  - They do not obscure other operating vehicles from the driver's line of sight;
  - They do not become a possible hazard to workers or vehicles; and
  - They do not direct traffic into an unsafe situation or cause conflicting traffic flow.

## Speed Limits

- Maximum speed limits on this site is **10 km/h**; and
- All changes to speed limits or associated road conditions shall be approved by the Site Manager.

## Recovery of Vehicles and Mobile Equipment

Recovery of bogged/stranded plant and light vehicles is to be coordinated by the site team in conjunction with the subcontractor and other stakeholders as required.

## Compliance Monitoring

- The SHEQ Team shall ensure audits are undertaken for the application of this TMP to ensure compliance with any requirements; and
- Any changes to the traffic conditions, which have an impact on, or have the potential to affect operations, shall be authorised by the Site Manager.

## Vehicle Inspections

- All vehicles shall be inspected visually on a daily basis prior to use;
- All vehicles shall be inspected at least weekly with reference to the appropriate checklists
- Where light vehicles used on site are required to have an In-vehicle Monitoring System (IVMS) installed, IVMS data shall be managed in accordance with Veolia Company Policy; and
- Vehicles shall be serviced as per the Vehicle Service Log Book.

### 3. Roles and Responsibility

<i>Role</i>	<i>Responsibility</i>
Operations Manager	The operations managers have the responsibility for ensuring suitable resources and plans are in place to manage traffic risks for Sites.
Safety, Health, Environment and Quality (SHEQ) Team Member	<p>The SHEQ team has the responsibility to:</p> <ul style="list-style-type: none"> <li>• Review and approve any revisions to this procedure;</li> <li>• Ensure on-site implementation of and compliance with this procedure;</li> <li>• Monitor the effectiveness of the Traffic Management Plan (TMP);</li> <li>• Manage changes to the TMP and communicate to the all interested parties.</li> <li>• Review and monitor the implementation of this TMP;</li> <li>• Conduct site traffic and site access investigations to promote a safe work environment;</li> <li>• Ensure corrective actions from audits and incident investigations relevant to site traffic movements are carried out; and</li> <li>• Provide feedback to management of outcomes and observations.</li> </ul>
Managers and Supervisors	<p>Managers and Supervisors are responsible for:</p> <ul style="list-style-type: none"> <li>• Ensuring all personnel understand and observe the Traffic Management Plan</li> <li>• Effective management strategies ensuring safety rules are observed and enforced</li> <li>• Ensuring the nominated driver has regular maintenance and servicing carried out on their vehicle and any damaged or malfunctioning components are reported and repaired</li> <li>• Identifying areas of risk and implement effective controls</li> <li>• Ensuring that accidents or near misses are reported as per the Incident Investigation Procedure and that appropriate counter measures are implemented.</li> </ul>
Vehicle operators	<p>Vehicle operators are responsible for:</p> <ul style="list-style-type: none"> <li>• Not being under the influence of drugs and/or alcohol while operating a vehicle</li> <li>• Carrying out a visual pre-start check ensuring the vehicle is safe to operate</li> <li>• The suitability of the vehicle for the task to be performed e.g. working within the load limits as specified on the compliance plate</li> <li>• Not making any unauthorised modifications to vehicles</li> <li>• Ensuring that they hold the appropriate certificate of competency or driver's license</li> <li>• Ensuring that seat belts are worn at all times where these are provided</li> <li>• Identify areas of risk and support the control</li> <li>• Stopping and sounding horn before entering or exiting buildings or crossing on shared walkways to warn oncoming traffic or pedestrians</li> <li>• The nominated driver is responsible to ensure regular maintenance and servicing of vehicles is carried out and damaged or malfunctioning vehicles are reported and repaired</li> </ul>
Employees, Contractors and Visitors	<p>Employees are responsible for:</p> <ul style="list-style-type: none"> <li>• Taking reasonable care for their health and safety</li> <li>• Confining their movements to designated walkways where practicable</li> <li>• Stopping and looking before entering a roadway</li> </ul>

	<ul style="list-style-type: none"><li>• Giving way to vehicles at all times</li><li>• Reporting any unsafe work practices, hazards and accidents without delay</li><li>• Cooperating with any requirement imposed by the NSW WHS Act 2011 &amp; Regulations 2011</li><li>• Contributing to and maintaining good housekeeping practices, ensuring the site is tidy and free of unnecessary items that could hinder movement or present a hazard</li></ul> <p>Visitors and Contractors</p> <ul style="list-style-type: none"><li>• Employees who bring contractors and/or visitors on site must ensure that:</li><li>• They have undertaken the necessary safety induction</li><li>• They understand and observe the safety rules</li><li>• They are properly supervised</li></ul>
--	--

## Definitions

See definitions in the [BMS Dictionary](#) - Only definitions directly pertaining to this document are included.

Subject	Definition
Sites	Relates to Veolia sites and facilities.
Vehicle	Light vehicle, heavy vehicle, forklift truck, Manitou forklift, articulated vehicle , EWP's and including, but not limited to, other fixed wheel vehicles.
BAC	Blood Alcohol Content

## Appendix 2 - Site Traffic Risk Assessment ([see the Hazard and Risk Assessment template](#))

### Risk Methodology

			Likelihood					
			1 - RARE Event which may occur only in exceptional circumstances Event likely to occur in exceptional circumstances	2 - UNLIKELY Event likely to occur at least once over a period of a two to three years in the industry Event with limited potential of occurring	3 - POSSIBLE Event likely to occur at least once a year over a period of a calendar year in the industry Event with moderate potential to occur	4 - LIKELY Event likely to occur at least monthly or quarterly over a period of a calendar year in the industry Event with high potential to occur	5 - ALMOST CERTAIN Event likely to occur at least weekly over a period of a calendar year in the industry Event expected to occur in most circumstances	
	1	Serious injury accident or Fatality Permanent severe disability. Widespread, or potential widespread disease outbreak or human health impact.	Irreversible environmental harm caused to an area of high conservation value. Spillage of toxic, flammable or explosive chemicals. Facility fire requiring emergency services.	Medium (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
	2	Lost time injury. Hospital Treatment as an inpatient. Multiple human health impact linked to company operation.	Material environmental harm causing potential severe & extensive loss/ damage requiring clean up and rehabilitation. Damage to fauna/flora. Spillage under 155l of oil, diesel, and chemicals not contained.	Medium (4)	Medium (8)	High (12)	Extreme (16)	Extreme (20)
	3	Medical treatment injury. Restricted Work Case. Hospital Treatment and/or checks as outpatient. Isolated human health impact linked to company operation.	Release to an environment NOT contained within the facility limits.  Repeated breach of environmental statutory limits.	Low (3)	Medium (6)	Medium (9)	High (12)	High (15)
	4	First Aid Injury. Failure of an operational procedure or health standard/guideline that could lead to human health impact.	Release to the environment immediately contained within facility limits.  Single breach of statutory limits.	Low (2)	Medium (4)	Medium (6)	Medium (8)	High (10)
	5	No medical treatment. Failure of an operational procedure or health standard/guideline that is unlikely to lead to human health impact.	No environmental harm or environmental nuisance.	Low (1)	Low (2)	Low (3)	Medium (4)	Medium (5)



## Hazard/Risk Assessment

Hazard	Risk Description	Existing Control Measures Eliminate, Substitute, Engineering, Administration, PPE	L C R			New Control Measures Eliminate, Substitute, Engineering, Administration, PPE	L C R			Resp.	Due	Closed
			L	C	R		L	C	R			
1	Vehicle movements on site - Mobile plant/plant, customer vehicles. Contact with pedestrians, Vehicle rollovers	Poor traffic management and/or visibility Lack of Isolation between plant and people Poor communication between plant operator and customer/people	4	5	20	*Speed humps and signage; *Cameras on back of plant; *Quackers * All plant fitted with rotating beacon * Mirrors * Kerbing * Lighting * Site Speed limit 10km/hour * CCTV *Boom gates *Speed limits; *Signage; *Competency Assessments; *Authorised personnel only to operate; *Authorised personnel only to operate; *Restriction and exclusion zones; *Spotters; *Designated routes; *Pre-start checklists and Defective Vehicle Reports; *PLANS002 - Traffic Management	4	1	4			

						Plans; *SOP012 Traffic Management *SOP042 Over loaded Vehicles *SOP024 Safe driving and Traffic * FORM014.4.1 - Conditions of entry * One way traffic * Contact police and ambulance						
2	Unsafe operation of mobile/fixed plant resulting in physical harm and/or property damage	Operator not sufficiently trained in the operation of the mobile/fixed plant  Poorly maintained plant and equipment	3	3	9	*All operators are to be verified competent to operator – FORM006 *SOP085 – Plant Management *PLAN002 Traffic Management Plan *Work Instruction – Dozer / Front End Loader / Forklift / Bobcat & Excavator. *SOP012 – Traffic Management *Veolia's Life Saving Rules *Bridge Induction – Traffic Management & HRMS	2	1	2			
3												
4												
5												

6													
7													

Reviewed by:		Initial and Date:		Reviewed by:		Initial and Date:	
Reviewed by:		Initial and Date:		Reviewed by:		Initial and Date:	
Reviewed by:		Initial and Date:		Reviewed by:		Initial NS Date:	



## APPENDIX E ENVIRONMENTAL PROTECTION LICENCE



# Environment Protection Licence

Licence - 4548

Licence Details	
Number:	4548
Anniversary Date:	15-June

Licensee
VEOLIA RECYCLING & RECOVERY PTY LTD
LOCKED BAG 5015
KINGSGROVE DC NSW 2208

Premises
WETHERILL PARK TRANSFER STATION
20 DAVIS ROAD
WETHERILL PARK NSW 2164

Scheduled Activity
Waste processing (non-thermal treatment)
Waste storage

Fee Based Activity	Scale
Non-thermal treatment of hazardous and other waste	Any annual processing capacity
Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	Any listed waste type stored
Waste storage - other types of waste	Any other types of waste stored

Contact Us
NSW EPA
4 Parramatta Square
12 Darcy Street
PARRAMATTA NSW 2150
Phone: 131 555
Email: <a href="mailto:info@epa.nsw.gov.au">info@epa.nsw.gov.au</a>
Locked Bag 5022
PARRAMATTA NSW 2124



# Environment Protection Licence

Licence - 4548

<b>INFORMATION ABOUT THIS LICENCE</b>	<b>4</b>
Dictionary	4
Responsibilities of licensee	4
Variation of licence conditions	4
Duration of licence	4
Licence review	4
Fees and annual return to be sent to the EPA	4
Transfer of licence	5
Public register and access to monitoring data	5
<b>1 ADMINISTRATIVE CONDITIONS</b>	<b>6</b>
A1 What the licence authorises and regulates	6
A2 Premises or plant to which this licence applies	6
A3 Information supplied to the EPA	6
<b>2 LIMIT CONDITIONS</b>	<b>7</b>
L1 Pollution of waters	7
L2 Waste	7
L3 Potentially offensive odour	8
L4 Other limit conditions	8
<b>3 OPERATING CONDITIONS</b>	<b>8</b>
O1 Activities must be carried out in a competent manner	8
O2 Maintenance of plant and equipment	9
O3 Dust	9
O4 Emergency response	9
O5 Processes and management	9
O6 Waste management	9
<b>4 MONITORING AND RECORDING CONDITIONS</b>	<b>9</b>
M1 Monitoring records	9
M2 Recording of pollution complaints	10
M3 Telephone complaints line	10
M4 Other monitoring and recording conditions	10
<b>5 REPORTING CONDITIONS</b>	<b>11</b>
R1 Annual return documents	11
R2 Notification of environmental harm	12
R3 Written report	12
<b>6 GENERAL CONDITIONS</b>	<b>13</b>



# Environment Protection Licence

Licence - 4548

G1	Copy of licence kept at the premises or plant	13
7	<b>SPECIAL CONDITIONS</b>	13
E1	EPA may claim on Financial Assurance	13
E2	Financial assurance	13
	<b>DICTIONARY</b>	15
	General Dictionary	15



# Environment Protection Licence

---

Licence - 4548

## 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

Licence - 4548

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:

VEOLIA RECYCLING & RECOVERY PTY LTD
LOCKED BAG 5015
KINGSGROVE DC NSW 2208

subject to the conditions which follow.



# Environment Protection Licence

Licence - 4548

## 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
Waste processing (non-thermal treatment)	Non-thermal treatment of hazardous and other waste	Any annual processing capacity
Waste storage	Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	Any listed waste type stored
Waste storage	Waste storage - other types of waste	Any other types of waste stored

### A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
WETHERILL PARK TRANSFER STATION
20 DAVIS ROAD
WETHERILL PARK
NSW 2164
LOT 402 DP 603454

### A3 Information supplied to the EPA

A3.1 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.

# Environment Protection Licence

Licence - 4548

## 2 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 Waste

- L2.1 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	General solid waste (putrescible)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	Maximum of 70,000 tonnes to be received in any consecutive 12 month period
NA	Office and Packaging Waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Virgin excavated natural material	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Garden waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Wood waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Waste mineral oils unfit for their original intended use	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
N/A	Gas bottles		Waste storage	NA
D220	Lead acid batteries	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
F100	Waste ink, dye, pigment, paint, lacquer & varnish	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Asbestos waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Building and demolition	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA

# Environment Protection Licence

Licence - 4548

	waste	1 of the POEO Act, in force from time to time		
NA	Household waste from municipal clean-up that does not contain food waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Waste collected by or on behalf of local councils from street sweeping	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA
NA	Non-chemical waste generated from manufacturing and services (including metal, timber, paper, ceramics, plastics, thermosets, and composites)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste storage	NA

L2.2 The authorised amount of waste permitted on the premises cannot exceed 2,400 tonnes at any one time.

## L3 Potentially offensive odour

L3.1 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.

## L4 Other limit conditions

### Asbestos

Note: The licensee must comply with all conditions as specified in this licence or where no specific condition are outlined in this licence, the licensee must comply with the Protection of the Environment Operations (Waste) Regulation 2014.

## 3 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.

# Environment Protection Licence

Licence - 4548

## **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**

- O3.1 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.

## **O4 Emergency response**

- O4.1 The licensee must maintain an emergency response plan which documents the procedures to deal with all types of incidents (eg spill, explosions or fire) that may occur at the premises or outside of the premises (eg during transfer) which are likely to cause harm to the environment.

## **O5 Processes and management**

- O5.1 The licensee must ensure that any general solid waste (non-putrescible) and/or general solid waste (putrescible) for processing, storage or resource recovery at the premises is assessed and classified in accordance with the EPA's *Waste Classification Guidelines* as in force from time to time.

## **O6 Waste management**

### **General Solid Waste (putrescible)**

- O6.1 The licensee must keep general solid waste (putrescible) in a separate designated area from all other wastes received at the Premises.
- O6.2 General solid waste (putrescible) must not be mixed with any other wastes received at the Premises.
- O6.3 The licensee must remove all general solid waste (putrescible) within 24 hours of it being received at the Premises.

## **4 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.

# Environment Protection Licence

---

Licence - 4548

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.

## **M2 Recording of pollution complaints**

M2.1 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.

M2.2 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.

M2.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M2.4 The record must be produced to any authorised officer of the EPA who asks to see them.

## **M3 Telephone complaints line**

M3.1 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.

M3.2 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.

M3.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

## **M4 Other monitoring and recording conditions**

### **Monitoring of waste(s) received**



# Environment Protection Licence

Licence - 4548

- M4.1 The licensee must record the following information for each load of waste(s) received at the premises:
- (a) the registration number of the vehicle;
  - (b) the time and date of receipt of the waste;
  - (c) the source of the waste;
  - (d) the type(s) of waste; and
  - (e) the quantity of each type of waste (in tonnes).

## 5 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.
- 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.
- 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 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.

# Environment Protection Licence

Licence - 4548

- R1.7 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.

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.

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

## R2 Notification of environmental harm

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

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.

## 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.

# Environment Protection Licence

---

Licence - 4548

- 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.

## 6 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.

## 7 Special Conditions

### E1 EPA may claim on Financial Assurance

- E1.1 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 or clean up notice issued under section 91 of the POEO Act.

### E2 Financial assurance

- E2.1 A financial assurance in the form of an unconditional and irrevocable guarantee from an Australian bank, building society or credit union in favour of the EPA in the amount of seventy five thousand (\$75,000) by 1 March 2008 must be provided to the EPA. The financial assurance is required to secure or guarantee funding for works or programs required by or under this licence. The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person.

A financial assurance in the form of an unconditional and irrevocable guarantee from an Australian bank, building society or credit union in favour of the EPA in the amount of one hundred and fifty thousand (\$150,000) by 1 March 2009 must be provided to the EPA. The financial assurance is required to secure or guarantee funding for works or programs required by or under this licence. The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person.

A financial assurance in the form of an unconditional and irrevocable guarantee from an Australian bank, building society or credit union in favour of the EPA in the amount of two hundred and twenty five thousand (\$225,000) by 1 March 2010 must be provided to the EPA. The financial assurance is required to secure or guarantee funding for works or programs required by or under this licence. The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person.

# Environment Protection Licence

Licence - 4548

- E2.2 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.
- E2.3 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.
- E2.4 The EPA may require an increase 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.
- E2.5 The licensee must provide to the EPA the original counterpart guarantee within five working days of the issue of:
- a) the financial assurance required by condition E2.1, and
  - b) the adjusted financial assurance as required by condition E2.2, E2.3 and E2.4.
- E2.6 After the licensee's premises cease to be used for the purpose 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;
  - b) rehabilitate the site, including conducting assessment of and if required remediation of any site contamination.
- E2.7 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 (whether or not the premises continue to be used for the purposes to which the licence relates) must:
- a) Make all efforts to contain all firewater on the licensee's premises;
  - b) Make all efforts to control air pollution from the licensee's premises;
  - c) Make all efforts to contain any discharge, spill or run-off from the licensee's premises;
  - d) Make all efforts to prevent flood water entering the licensee's 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 licensee's premises and its potential to migrate from the licensee's premises;
  - h) At the request of the EPA monitor surface water leaving the licensee's premises and
  - i) Ensure the licensee's premises is secure.
- E2.8 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 any 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.



# Environment Protection Licence

Licence - 4548

## Dictionary

### General Dictionary

<b>3DGM [in relation to a concentration limit]</b>	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
<b>Act</b>	Means the Protection of the Environment Operations Act 1997
<b>activity</b>	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
<b>actual load</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>AM</b>	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
<b>AMG</b>	Australian Map Grid
<b>anniversary date</b>	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.
<b>annual return</b>	Is defined in R1.1
<b>Approved Methods Publication</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>assessable pollutants</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>BOD</b>	Means biochemical oxygen demand
<b>CEM</b>	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
<b>COD</b>	Means chemical oxygen demand
<b>composite sample</b>	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.
<b>cond.</b>	Means conductivity
<b>environment</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>environment protection legislation</b>	Has the same meaning as in the Protection of the Environment Administration Act 1991
<b>EPA</b>	Means Environment Protection Authority of New South Wales.
<b>fee-based activity classification</b>	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
<b>general solid waste (non-putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

# Environment Protection Licence

Licence - 4548

<b>flow weighted composite sample</b>	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
<b>general solid waste (putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>grab sample</b>	Means a single sample taken at a point at a single time
<b>hazardous waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>licensee</b>	Means the licence holder described at the front of this licence
<b>load calculation protocol</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>local authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>material harm</b>	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
<b>MBAS</b>	Means methylene blue active substances
<b>Minister</b>	Means the Minister administering the Protection of the Environment Operations Act 1997
<b>mobile plant</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>motor vehicle</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>O&amp;G</b>	Means oil and grease
<b>percentile [in relation to a concentration limit of a sample]</b>	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.
<b>plant</b>	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
<b>pollution of waters [or water pollution]</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>premises</b>	Means the premises described in condition A2.1
<b>public authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>regional office</b>	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
<b>reporting period</b>	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 months. 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.
<b>restricted solid waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>scheduled activity</b>	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
<b>special waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>TM</b>	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .



# Environment Protection Licence

Licence - 4548

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
Wellhead	Has the same meaning as in Schedule 1 to the Protection of the Environment Operations (General) Regulation 2021.

Ms Nadia Kanhoush

Environment Protection Authority

(By Delegation)

Date of this edition: 01-August-2000



# Environment Protection Licence

Licence - 4548

## End Notes

- 1 Licence transferred through application 140433, approved on 18-May-2001, which came into effect on 15-Jun-2000.
- 2 Licence transferred through application 140945, approved on 04-Dec-2001, which came into effect on 04-Dec-2001.
- 3 Licence varied by Change of contact details, issued on 04-Mar-2002, which came into effect on 04-Mar-2002.
- 4 Licence varied by notice 1028777, issued on 04-Sep-2003, which came into effect on 29-Sep-2003.
- 5 Licence varied by notice 1037693, issued on 11-Nov-2004, which came into effect on 06-Dec-2004.
- 6 Licence varied by notice 1081093, issued on 17-Jan-2008, which came into effect on 17-Jan-2008.
- 7 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 8 Licence varied by notice 1095911, issued on 19-Dec-2008, which came into effect on 19-Dec-2008.
- 9 Licence varied by notice 1112076, issued on 21-Apr-2010, which came into effect on 21-Apr-2010.
- 10 Licence varied by Correction to EPA Region data record., issued on 25-Jun-2010, which came into effect on 25-Jun-2010.
- 11 Licence varied by notice 1505419 issued on 09-May-2013
- 12 Licence varied by notice 1532302 issued on 04-Aug-2015
- 13 Licence varied by notice 1589768 issued on 17-Dec-2019
- 14 Licence format updated on 01-Jul-2022



## APPENDIX F      NOISE ASSESSMENT



| **VEOLIA** |

## ENVIRONMENTAL NOISE ASSESSMENT

**REFERENCE NO. S12564-R1**

**WETHERILL PARK RRF | ASSESSMENT DATE: 5 APRIL 2023**

**Environmental Noise Assessment**

20 Davis Rd, Wetherill Park NSW 2164

Prepared for

**Veolia**

20 Davis Rd, Wetherill Park NSW 2164

by

**HIBBS & ASSOCIATES PTY LTD**

**Suite B, 255 Rawson Street,  
Auburn NSW 2144,**

P.O. Box 4266,  
Homebush NSW 2140

[www.hibbs.com.au](http://www.hibbs.com.au)

Telephone: (02) 9746 3244

Copyright © Hibbs & Associates Pty Ltd 2023

Our Reference: S12564-R1

Prepared by:

**Toby Dudman, MAAS  
Consultant Acoustician**



Reviewed by:

**Calvin Dunn, MAAS  
Acoustician**



Date: 12 April 2023

## Executive Summary

This report presents the findings of an Environmental Noise Assessment of Veolia's Wetherill Park RRF (Resource Recovery Facility) at 20 Davis Rd, Wetherill Park NSW 2164. The aim of this report is to assess the noise emission performance of the site. Veolia's EPL for Wetherill Park RRF (EPL 4548) contains no limits for environmental noise. Consequently, this report provides a noise map that estimates the site noise emission into the surrounding area based on on-site noise measurements. This assessment is of the period from 15 June 2021 to 14 June 2022.

The results of this assessment indicate that:

- Industrial noise emanating from operations at Wetherill Park RRF (engine noise from plant within the RRF and arriving/departing trucks) dominated the soundscape during the measurements.
- The results of the assessment show that noise immissions from the site were below the NPI's recommended noise project trigger levels.

Based on the above, Veolia need not implement any additional noise mitigation to reduce environmental noise levels.

## TABLE OF CONTENTS

<b>Executive Summary</b>	<b>3</b>
<b>1. Introduction</b>	<b>5</b>
1.1 Report Limitations and Disclaimer	5
<b>2. Assessment</b>	<b>6</b>
2.1 Method	6
2.2 Surveys	6
2.3 Assessment	7
<b>3. Summary and Conclusions</b>	<b>8</b>
<b>Appendix A Background Information</b>	<b>9</b>
<b>Appendix B Site Source Term Data</b>	<b>12</b>

## LIST OF FIGURES

Figure 3.1: Measurement Location and Assessed Boundary Locations	6
Figure 3.2: $L_{Aeq,15m}$ noise contours - Day	7
Figure 3.3: $L_{Aeq,15m}$ noise contours - Night	7
Figure A.1: Routes of trucks	11

## LIST OF PHOTOGRAPHS

Photograph 3.1: Measurement Location	6
--------------------------------------	---

## LIST OF TABLES

Table 3.1: Survey Results	7
Table 3.2: Assessment Results	7
Table A.1: Noise Sources	10
Table B.1: Noise Source Terms	13
Table B.2: Model validation survey results	14

## 1. Introduction

This report presents the findings of an Environmental Noise Assessment of Veolia's Wetherill Park RRF (Resource Recovery Facility) at 20 Davis Rd, Wetherill Park NSW 2164. The aim of this report is to assess the noise emission performance of the site. Veolia's EPL for Wetherill Park RRF (EPL 4548) contains no limits for environmental noise. Consequently, this report provides a noise map that estimates the site noise emission into the surrounding area based on on-site noise measurements. This assessment is of the period from 15 June 2021 to 14 June 2022.

The study follows the procedures and method outlined in our approved proposal<sup>1</sup>. Dora Ambrosi-Wall, Environmental Advisor (NSW/ ACT) at Veolia authorised the work. Toby Dudman, Consultant Acoustician, from Hibbs conducted the site work and assessment. We wish to acknowledge, and express our gratitude, for the assistance provided by all the staff at Wetherill Park RRF with conducting the survey and assessments.

Appendix A has background information about the site. This includes a description of the site and activities, and data supporting the assessment.

### 1.1 Report Limitations and Disclaimer

Hibbs & Associates Pty Ltd prepared this report for Veolia solely for the purposes set out herein and we do not intend that any other person use or rely on the contents of the Report. The information contained in this report is based on a limited review of the site, interviews with site personnel and review of documentation provided to Hibbs & Associates Pty Ltd at the time of the review. Whilst the information contained in the Report is accurate to the best of our knowledge and belief, Hibbs & Associates Pty Ltd cannot guarantee the completeness or accuracy of any of the descriptions or conclusions based on the information supplied to it or obtained during the investigations, site surveys, visits and interviews. Furthermore, conditions can change within limited periods of time, and this should be considered if the Report is to be used after any elapsed period subsequent to its issue.

Hibbs & Associates Pty Ltd has exercised reasonable care, skill and diligence in preparation of the Report. However, except for any non-excludable statutory provision, Hibbs & Associates Pty Ltd gives no warranty in relation to its services or the Report, and is not liable for any loss, damage, injury or death suffered by any party (whether caused by negligence or otherwise) arising from or relating to the services or the use or otherwise of this Report. Where the Client has the benefit of any non-excludable condition or warranty, the liability of Hibbs & Associates Pty Ltd is, to the extent permitted by law, limited to re-performing the services or refunding the fees paid in relation to the services or sections of the Report not complying with the conditions or warranty.

---

<sup>1</sup> Hibbs. *Wetherill Park Environmental Noise Assessment*. Reference SQ9457. 10 March 2023.

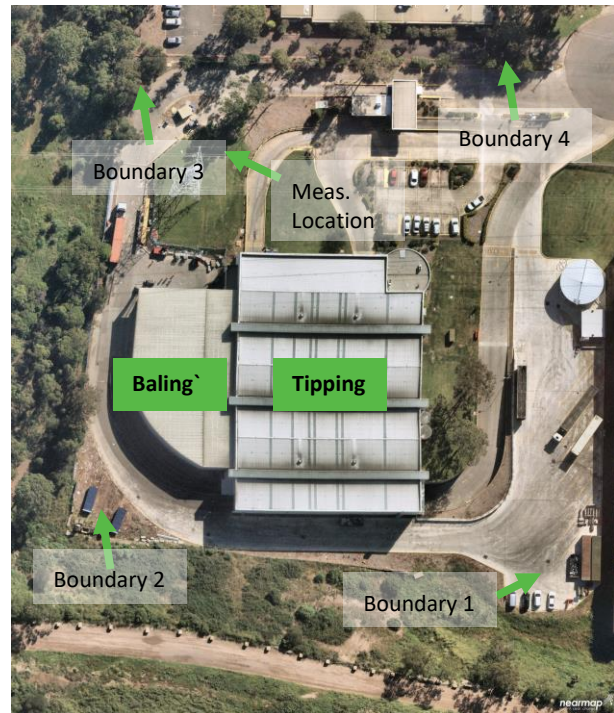


## 2. Assessment

### 2.1 Method

This assessment determined the site source terms from measurements around the site. We modelled noise emission using iNoise software implementing ISO 9613-2<sup>2</sup>. The model was built and validated in the 2020 noise assessment. It was confirmed in the 2021 noise assessment. We confirmed that the model remained current with direct measurements at an intermediate location at the site where the source noise level is separate from the general ambient level. Appendix B describes the survey measurements and site source terms.

Although the EPL has no noise limits, we compared the site noise emission levels at the boundary following relevant guidance in the NSW Noise Policy for Industry (NPI)<sup>3</sup>. Table 2.2 in the NPI lists the recommended amenity noise trigger level as 70 dB  $L_{Aeq}$  for industrial receptors.



**Figure 2.1: Measurement Location and Assessed Boundary Locations**

### 2.2 Surveys

We conducted attended measurements at the site between 10:00 hours and 11:00 hours on 05 April 2023. These measurements were used to confirm the validated noise model. The weather was dry with a slight and intermittent southerly breeze. The site seemed busy. There was a near continuous stream of trucks entering and leaving the site most of the time. Industrial noise emanating from operations at Wetherill Park RRF (engine noise from plant within the RRF and arriving/departing trucks) dominated the soundscape during the measurements.



**Photograph 2.1: Site from Measurement Location**

<sup>2</sup> ISO 1996, ISO 9613-2 Acoustics - Attenuation of sound during propagation outdoors - Part 2 General method of calculation

<sup>3</sup> NSW Environmental Protection Agency (2017) *Noise Policy for Industry*. Environmental Protection Agency, Sydney.

**Table 2.1: Survey Results**

Start Time	$L_{Aeq,15min}$ (dB)	$L_{A10,15min}$ (dB)	$L_{A90,15min}$ (dB)	Temp. (deg C)	Wind speed (m/s)	Wind direction	Relative humidity (per cent)
10:17:50 AM	66	67	60	16.6	18.6	3	SSW
10:32:57 AM	63	65	57	16.5			
10:54:14 AM	60	62	55	15.9			

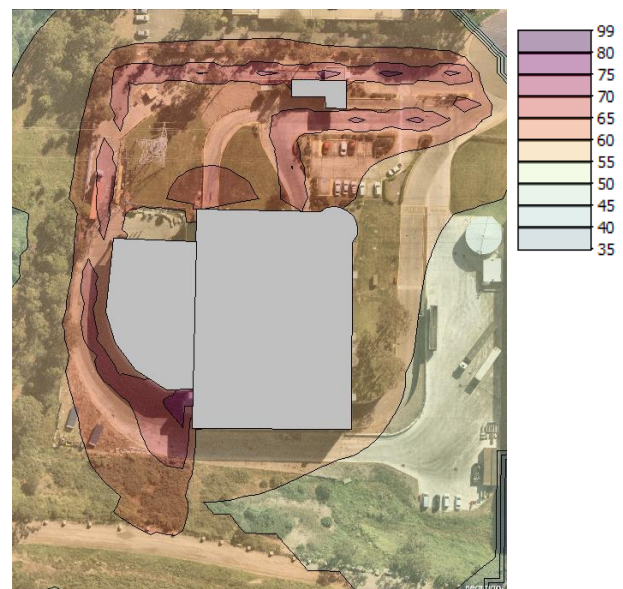
## 2.3 Assessment

Noise emissions from the site will vary throughout the day and from day to day due to the variations in site traffic, amount of operational plant and waste composition. The assessment (Table 2.2) calculated noise immissions during commonly occurring noisy 15-minute periods during the day and night operational conditions. Appendix B shows the assessment input data. The results of the assessment show that noise immissions from the site were below the NPI's recommended noise project trigger levels. Noise immissions at the boundaries will be lower than those calculated by this assessment most of the time.

**Table 2.2: Assessment Results**

Assessment	Applicable Hours	Project Noise Trigger Level, $L_{Aeq,15min}$ (dB)	Noise Immission, $L_{Aeq,15min}$ (dB) at Boundary 1	Noise Immission, $L_{Aeq,15min}$ (dB) at Boundary 2	Noise Immission, $L_{Aeq,15min}$ (dB) at Boundary 3	Noise Immission, $L_{Aeq,15min}$ (dB) at Boundary 4
Day	0500-1800	70	65.1	67.6	68.4	69.7
Night	1800-0500	70	48.7	58.7	63.1	64.8

N.B. The NPI uses day (07-18), evening (18-20) and night (20-07) assessment periods when assessing impacts to residential receptors. The periods adopted for this assessment align with site operations because the project trigger noise level for industrial receptors is independent of the time of day.


**Figure 2.2:  $L_{Aeq,15m}$  noise contours - Day**

**Figure 2.3:  $L_{Aeq,15m}$  noise contours - Night**

### 3. Summary and Conclusions

The results of this assessment indicate that:

- Industrial noise emanating from operations at Wetherill Park RRF (engine noise from plant within the RRF and arriving/departing trucks) dominated the soundscape during the measurements.
- The results of the assessment show that noise immissions from the site were below the NPI's recommended noise project trigger levels.

Based on the above, Veolia need not implement any additional noise mitigation to reduce environmental noise levels. Tonal reverse alarms on vehicles are more noticeable than broad-band non-tonal reverse alarms. In the previous report <sup>4</sup> we recommended that the site operator (Suez) investigated the feasibility of using broad-band non-tonal reverse alarms on their mobile site plant at Wetherill Park RRF to minimise their potential environmental noise impact. We observed that this had been carried out and heard non-tonal ('squawking') reversing alarms from vehicles in the tipping hall and around the baling area.

---

<sup>4</sup> Suez Recycling And Recovery, Environmental Noise Assessment, Wetherill Park RRF. Reference No. S11864-R1. 22 October 2021



## Appendix A Background Information

## A.1 Site Description

Wetherill Park RRF is a waste transfer station. Waste is dropped off by commercial trucks and public vehicles, then compacted and loaded into trucks. There is also a baling machine which bales recyclable material, which is then loaded onto waiting trucks by a forklift.

Operations are 24-hours a day Monday-Friday. The site closes 1300 hrs on Saturdays and re-opens Sunday morning at 1000 hrs. The site contains plant including a bulldozer, excavators with grab arm, front end loader, forklifts, and a mini dozer with bucket broom. Most of this plant is operational during the day period. Night-time operations are restricted to only use of the bulldozer occasionally and the flow rate of trucks entering the site decreases.

**Table A.1: Noise Sources**

Name	Description	Operational times
Rubbish Trucks	Trucks arrive at the site, tip their load, and depart.	24 hours
Quad trucks	Loaded with waste to be transported.	0530-1600hrs
Bale trucks	Trucks are loaded with bales to be transported.	1500-1700hrs
Bulldozer	Flattens and organises waste. Use of bulldozer is reduced during the night period.	24 hours
Front-end loader	Flattens and organises waste.	0500-1800hrs
Excavators	There are two on site, they are used to disperse the waste and load trucks.	0500-1800hrs
Forklift	Loads bales onto trucks.	0500-1700hrs
Baling machine	Bales material. This is in a separate area to west of the main tipping area.	0500-1500hrs
Mini dozer with bucket broom	Used to clean the floor of the tipping area.	0500-1800hrs





**Figure A.1: Routes of trucks**



## Appendix B Site Source Term Data



## B.1 References

- ISO (2010) ISO 3744 *Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane*
- ISO (1996) ISO 9613-2 *Acoustics -- Attenuation of sound during propagation outdoors -- Part 2: General method of calculation*
- Geoscience Australia. Elevation and Depth - Foundation Spatial Data
- NearMap

## B.2 Site Source Terms

We determined the average diffuse internal sound pressure level ( $L_i$ ) for the tipping hall and baling area from the results of two logging sound level meters installed on the walls. The source term is the spatial and temporal energetical average of the relevant data. Vehicle movements around the site are modelled as line sources with sound power levels derived from the weighbridge data. The model represents a commonly occurring noisy 15-minute period on a typical day comprising the following:

### Day time:

- 3 trucks in 15-min
- dozer, grab and trucks unloading 100% of the time in the tipping hall
- baling machine operating and forklift loading an idling truck in baling shed 100% of the time

### Night-time:

- 1 truck in 15-min
- dozer running for 25% of the time in the tipping hall

**Table B.1: Noise Source Terms**

Octave-Band Frequency (Hz)	Unit	63	125	250	500	1000	2000	4000	8000
Tipping area (Day)	$L_i$ (dB)	80.6	76.6	82.7	80.5	77.7	74.7	69.0	62.0
Tipping area (Night)	$L_i$ (dB)	69.9	65.8	71.9	69.7	67.0	63.9	58.2	51.2
Baling area	$L_i$ (dB)	76.0	74.9	75.6	69.4	65.1	63.7	60.7	56.7
Moving truck	$L_w$ (dB)	101.7	106.6	101.2	99.8	100.7	101.5	97.9	92.4
Forklift	$L_w$ (dB)	102.0	102.6	100.3	99.3	97.3	93.8	91.4	88.2
Idling truck	$L_w$ (dB)	102.6	103.4	96.1	94.6	95.6	101.2	93.8	88.6

## B.3 Validation Survey

Table B.2 shows that the model predicts noise emissions from the facility within about 1 dB of the 95% upper confidence level of the combined dataset of all measured noise levels. This demonstrates that the model is robust and representative of the upper range of long-term emissions.

**Table B.2: Model validation survey results**

Daytime assessment situation	Noise level, $L_{Aeq,15m}$ (dB)
Model result	67.2
95% upper confidence of measured levels - 2020 survey	69.1
95% upper confidence of measured levels - 2021 survey	65.3
95% upper confidence of measured levels - 2023 survey	69.0
95% upper confidence of measured levels - all survey data combined	68.3

**Quality • Service • Integrity**



**HIBBS**

Excellence in Risk Management

**HIBBS & ASSOCIATES PTY LTD**

**Suite B, 255 Rawson Street, Auburn NSW 2144  
P.O. Box 4266, Homebush NSW 2140**

**P +61 2 9746 3244  
E [info@hibbs.com.au](mailto:info@hibbs.com.au)**

**ABN 12 608 093 134**

**[www.hibbs.com.au](http://www.hibbs.com.au)**



## APPENDIX G      TRADE WASTE REPORTS



## CERTIFICATE OF ANALYSIS

Work Order : **ES2325569** Page : 1 of 2  
Client : **AQUATICO WTS** Laboratory : Environmental Division Sydney  
Contact : **MS FLOR ALTAMIRANO** Contact : **Wael Saleh**  
Address : **U8/35 FOUNDRY ROAD** Address : **277-289 Woodpark Road Smithfield**  
**SEVEN HILLS NSW, AUSTRALIA 2147** **NSW Australia 2164**  
Telephone : **+61 02 9960 3377** Telephone : **+61 2 8784 8555**  
Project : **7976 TRADEWASTE (SUEZ**  
**WETHERILL PARK)**  
Order number : **----**  
C-O-C number : **----**  
Site : **SUEZ WETHERILL PARK - 20 DAVIS**  
**ROAD, WETHERILL PARK**  
Sampled by : **RON**  
Quote number : **ES2010AQUWTS0348 (SY/675/14)**



Issue Date : 08-Aug-2023 12:46 No. of samples received : 1  
Date Samples Received : 01-Aug-2023 10:20 No. of samples analysed : 1

Parameter	Unit	LOR	VALUE
Start time	hrs	1	31/7/23
Finish Time	hrs	1	1/8/23
Meter Reading (start)	kL	0.001	2523.30
Meter Reading (finish)	kL	0.001	2523.52
TWDF	%	1	100
Volume Discharged	kL	0.001	0.220
Volume Discharged (corrected)	kL	0.001	0.220

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. All pages of this report have been checked and approved for release.

Where a result is required to meet compliance limits, the associated uncertainty **must be** considered. Refer to the ALS Contract Terms and Conditions for details, and EnviroMail 53 for a guide on how to interpret the measurement of uncertainty (MU).

Black shading is applied where the result is equal to or greater than the guideline upper limit or the result is equal to or lower than the guideline lower limit. Any shading applied does not take into account measurement uncertainty.

Samples, Sampling Information and on-site readings have been supplied by Aquatico WTS.

Mass discharged calculation is not covered by ALS scope of accreditation.

SAMPLING CONDITION: Grabs per bottle: 24, Sample intervals: N/A kL or min, mL per grab: 300 mL, TWDF: 100%.

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position (Accreditation Category)
Ankit Joshi	Senior Chemist - Inorganics (Sydney Inorganics, Smithfield, NSW)
Wael Saleh	Client Services - Trade Waste Coordinator (Sydney Sampling, Smithfield, NSW)

right solutions. right partner.

Analytical Results



				7976 Composite 01-Aug-2023		MASS DISCHARGE	
Method	TEST PARAMETER	Unit	LOR	Standard Concentration Limit(s)	ES2325569001 MU	Maximum Daily Mass Unit(s) (kg)	- for sampling event - (kg)
EA025	Suspended Solids (SS)	mg/L	1	600.00	96 ± 12	1	0.021
ED041G	Sulfate as SO4 - Turbidimetric	mg/L	1	2000.00	108 ± 14	0.5	0.024
EG005T	Aluminium	mg/L	0.10	100.00	2.96	0.18	0.00065
EG005T	Iron	mg/L	0.05	50.00	1.45	0.75	0.00032
EG005T	Zinc	mg/L	0.01	5.00	0.31	0.003	0.00007
EK055	Ammonia as N	mg/L	0.5	100.00	2.8	0.06	0.0006
EP020	Oil & Grease	mg/L	5	110.00	14 ± 2	0.044	0.003
EP030	Biochemical Oxygen Demand	mg/L	2	---	90 ± 14	1.56	0.020
SAMP-01	pH (finish)	pH Unit	0.1	7.00 to 10.00	7.1	10	---
SAMP-01	pH (start)	pH Unit	0.1	7.00 to 10.00	7.3	10	---

<b>Client - Report Received and Actioned</b>	<b>Water Authority - Report Received and Actioned</b>						
Customer Signature : _____	TERRITORY						
Designation : _____	Sample Number : <table><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>						
Date : _____ / _____ / _____	Wastewater Source Control Office :						



## CERTIFICATE OF ANALYSIS

Work Order : **ES2336646** Page : 1 of 2  
Client : **AQUATICO WTS** Laboratory : Environmental Division Sydney  
Contact : **MR MAX STAIANO** Contact : **Wael Saleh**  
Address : **19 - 27 WALTER ST** Address : **277-289 Woodpark Road Smithfield**  
**WETHERILL PARK NSW, AUSTRALIA** **NSW Australia 2164**  
2164  
Telephone : **+61 0437 313 755** Telephone : **+61 2 8784 8555**  
Project : **7976 TRADEWASTE (VEOLIA**  
**WETHERILL PARK)**  
Order number : ----  
C-O-C number : ----  
Site : **7976 - 20 DAVIS ROAD, WETHERILL**  
**PARK**  
Sampled by : ----  
Quote number : **ES2010AQUWTS0348 (SY/675/14)**



Issue Date : 30-Oct-2023 21:31 No. of samples received : 1  
Date Samples Received : 24-Oct-2023 08:40 No. of samples analysed : 1

Parameter	Unit	LOR	VALUE
Start time	hrs	1	08:00 on 23/10/23
Finish Time	hrs	1	08:00 on 24/10/23
Meter Reading (start)	kL	0.001	2533.91
Meter Reading (finish)	kL	0.001	2537.39
TWDF	%	1	100
Volume Discharged	kL	0.001	3.48
Volume Discharged (corrected)	kL	0.001	3.48

### General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. All pages of this report have been checked and approved for release.

Where a result is required to meet compliance limits, the associated uncertainty **must be** considered. Refer to the ALS Contract Terms and Conditions for details, and EnviroMail 53 for a guide on how to interpret the measurement of uncertainty (MU).

Black shading is applied where the result is equal to or greater than the guideline upper limit or the result is equal to or lower than the guideline lower limit. Any shading applied does not take into account measurement uncertainty.

Samples, Sampling Information and on-site readings have been supplied by Aquatico WTS.

Mass discharged calculation is not covered by ALS scope of accreditation.

SAMPLING CONDITION: Grabs per bottle: 24, mL per grab: 300mL, TWDF: 100%.

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position (Accreditation Category)
Ankit Joshi	Senior Chemist - Inorganics (Sydney Inorganics, Smithfield, NSW)
Wael Saleh	Client Services - Trade Waste Coordinator (Sydney Sampling, Smithfield, NSW)

right solutions. right partner.





				7976 - COMPOSITE 24-Oct-2023		MASS DISCHARGE	
Method	TEST PARAMETER	Unit	LOR	Standard Concentration Limit(s)	ES2336646001 MU	Maximum Daily Mass Unit(s) (kg)	- for sampling event - (kg)
EA025	Suspended Solids (SS)	mg/L	1	600.00	85 ± 11	1	0.295
ED041G	Sulfate as SO4 - Turbidimetric	mg/L	1	2000.00	56 ± 8	0.5	0.196
EG005T	Aluminium	mg/L	0.10	100.00	3.14	0.18	0.0109
EG005T	Iron	mg/L	0.05	50.00	1.02	0.75	0.00357
EG005T	Zinc	mg/L	0.01	5.00	0.42	0.003	0.00146
EK055	Ammonia as N	mg/L	0.5	100.00	8.4	0.06	0.0292
EP020	Oil & Grease	mg/L	5	110.00	14 ± 2	0.044	0.048
EP030	Biochemical Oxygen Demand	mg/L	2	---	10 ± 2	1.56	0.035
SAMP-01	pH (finish)	pH Unit	0.1	7.00 to 10.00	8.0	10	---
SAMP-01	pH (start)	pH Unit	0.1	7.00 to 10.00	7.4	10	---

<b>Client - Report Received and Actioned</b>	<b>Water Authority - Report Received and Actioned</b>						
Customer Signature : _____	<b>TERRITORY</b>						
Designation : _____	Sample Number : <table><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>						
Date : _____ / _____ / _____	Wastewater Source Control Office :						



<i>Parameter</i>	<i>Unit</i>	<i>LOR</i>	VALUE
Start time	hrs	1	08:30 on 17/01/2024
Finish Time	hrs	1	08:30 on 18/01/2024
Meter Reading (start)	kL	0.001	2686.07
Meter Reading (finish)	kL	0.001	2704.16
TWDF	%	1	100
Volume Discharged	kL	0.001	18.1
Volume Discharged (corrected)	kL	0.001	18.1

SAMPLING CONDITION: Grabs per bottle: 24, Sample intervals: N/A, mL per grab: 300mL, TWDF: 100%.

Signatories	Position (Accreditation Category)
Ankit Joshi	Senior Chemist - Inorganics (Sydney Inorganics, Smithfield, NSW)
Wael Saleh	Client Services - Trade Waste Coordinator (Sydney Sampling, Smithfield, NSW)



				7976 - COMPOSITE 18-Jan-2024		MASS DISCHARGE	
Method	TEST PARAMETER	Unit	LOR	Standard Concentration Limit(s)	ES2401796001 MU	Maximum Daily Mass Unit(s) (kg)	- for sampling event - (kg)
EA025	Suspended Solids (SS)	mg/L	1	600.00	39 ± 5	1	0.711
ED041G	Sulfate as SO4 - Turbidimetric	mg/L	1	2000.00	146 ± 20	0.5	2.65
EG005T	Aluminium	mg/L	0.10	100.00	0.28	0.18	0.00503
EG005T	Iron	mg/L	0.05	50.00	0.51	0.75	0.00923
EG005T	Zinc	mg/L	0.01	5.00	0.07	0.003	0.00121
EK055	Ammonia as N	mg/L	0.5	100.00	<0.5 --	0.06	<0.0090
EP020	Oil & Grease	mg/L	5	110.00	<5 --	0.044	<0.090
EP030	Biochemical Oxygen Demand	mg/L	2	---	22 ± 3	1.56	0.398
ø SAMP-01	pH (finish)	pH Unit	0.1	7.00 to 10.00	8.2	10	---
ø SAMP-01	pH (start)	pH Unit	0.1	7.00 to 10.00	8.3	10	---

Client - Report Received and Actioned		Water Authority - Report Received and Actioned							
Customer Signature : _____		TERRITORY							
Designation : _____		Sample Number : <table><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							
Date : _____ / _____ / _____		Wastewater Source Control Office :							



## APPENDIX H      MONITORING INSPECTIONS

5 September 2023

Dora Ambrosi-Wall  
Environmental Advisor  
Veolia

Via email: [dora.ambrosi-wall@veolia.com](mailto:dora.ambrosi-wall@veolia.com)

**RE: Odour Audit – Veolia Resource Recovery Facility at Wetherill Park**

Dear Dora,

Todoroski Air Sciences has conducted an odour audit and odour survey for the Veolia Resource Recovery Facility at Wetherill Park (hereafter referred to as the Project).

The Project is a resource recovery facility that receives and processes up to 500 tonnes per day of both putrescible and non-putrescible general dry and wet waste from commercial premises. The waste material is delivered onsite and deposited within the warehouse where it is sorted and consolidated before being transferred offsite for alternative processing and disposal.

The Project is located at 20 Davis Road, Wetherill Park New South Wales (NSW) within an existing industrial area. The nearest residential area is located approximately 1.5 kilometres (km) south-southeast of the Project site. **Figure 1** presents the location of the Project.



**Figure 1: Project location**

### Odour complaints

A Complaint and Incident Register (the 'Register') is maintained at the site by Veolia and published online as part of the Wetherill Park Resource Recovery Odour Management Plan (**Veolia, 2021**). A review of the available data from the online register from May to June 2023 indicate that there have been no odour complaints received by Veolia in regard to the Project. In addition, there have been no odour complaints documented since the last odour audit conducted in 2020.

### Field odour survey

Todoroski Air Sciences conducted two field odour surveys on 28 July 2023 and 31 July 2023 to assist with validation of the odour predictions in the *Wetherill Park Resource Recovery Facility Upgrade – Odour Assessment* (**Pacific Environment, 2016**).

Confirmation was received from Veolia prior to the odour survey to verify that the site was in full operation at the time of the field odour survey. The odour surveys were completed at times likely to lead to the highest odour impacts.

### Odour survey locations

The odour survey locations are shown in **Figure 2**. The odour survey locations on each day are presented in **Table 1**. A portable weather monitor (Kestrel type 5500) was positioned at each survey location to record the prevailing wind conditions for the duration of the monitoring period and to ensure that each location was representative of locations downwind of the Project.

**Table 1: Odour survey monitoring locations**

Date	Location ID	Wind direction	Average wind speed (m/s)	Address	Eastings	Northings
28/07/2023	1	WNW	1.0	Denori Close	305696	6253646
	2	W	0.1	75 Elizabeth Street	305821	6253808
	3	W	0.2	Corner of Elizabeth Street and Davis Road	305836	6253987
	4	CALM	CALM	1/14 Davis Road	305680	6253992
	5	W	0.3	20 Davis Road (Project boundary)	305454	6253995
31/07/2023	3	CALM	CALM	Corner of Elizabeth Street and Davis Road	305836	6253987
	4	W	0.1	1/14 Davis Road	305680	6253992
	5	W	0.1	20 Davis Road (Project boundary)	305454	6253995



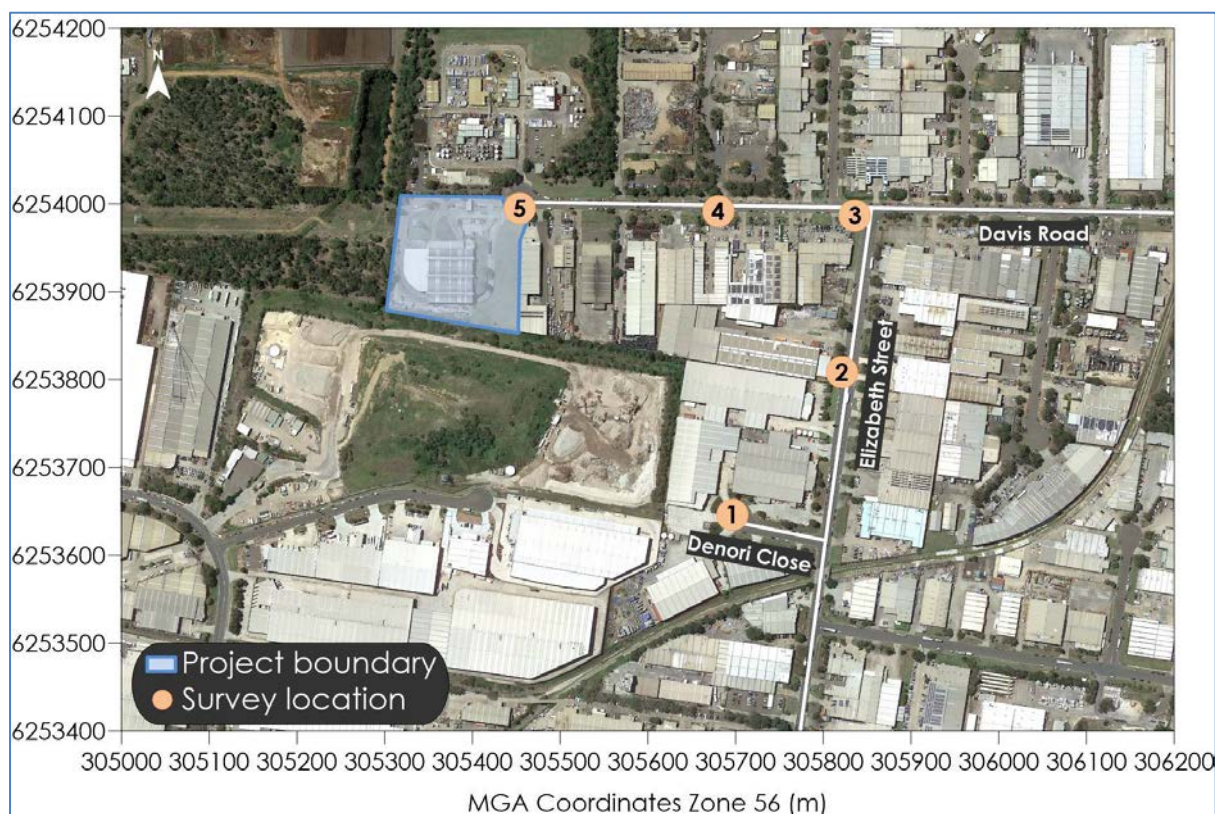


Figure 2: Odour survey monitoring locations

### Odour survey methodology

The field odour survey methodology is based on a simplified version of the German Standard VDI 3940 "Determination of Odorants in Ambient Air by Field Inspections". During the field odour survey, a measurement is taken at the location over a period of 10 minutes. Over the 10-minute interval, the assessor tests the ambient air at 10 second intervals and records their observation of the intensity of the odour and the odour characteristic every 10 seconds. The findings are evaluated according to specific factors including frequency, intensity, duration, odour character and location (FIDOL).

**Table 2** and **Table 3** present the odour intensity rating scale and suggested odour characteristic descriptors, respectively, suitable to be applied for the field odour surveys.

Table 2: Odour intensity rating scale

Rating	Intensity description
0	No odour
1	Very slight
2	Slight
3	Distinct
4	Strong
5	Very strong
6	Extremely strong

Table 3: Odour characteristic descriptors

Odour type code	Odour characteristic descriptor	Odour type code	Odour characteristic descriptor
1	Fragrant	12	Seaweed, mangroves
2	Household gas	13	Compost
3	Burnt smoky	14	Musty, earthy, mouldy



Odour type code	Odour characteristic descriptor	Odour type code	Odour characteristic descriptor
4	Herbal, green, cut grass	15	Garbage
5	Oily, fatty	16	Industrial
6	Rotten eggs, sulfide	17	Baked goods
7	Sour, body odour	18	Rubber
8	Meaty	19	Alcohol
9	Faecal, manure, sewer	20	Soap/disinfectant
10	Fishy	21	Fried food
11	Diesel/car fumes		

### Odour survey results

**Table 4** presents a summary of the FIDOL evaluation.

**Figure 3** presents the count of odour intensity for at each location for each survey period.

The full field odour survey logs are provided in **Appendix A**.

The predominant odours observed during the surveys were very slight to slight industrial smells likely attributed to the nearby commercial and industrial operations, faint diesel/ car fumes associated with passing or idling trucks, slight baked goods odours likely to be originating from the nearby café, weak rubber smells from the nearby tyre facility, slight soap and disinfectant odours were identified, a distinct but short-lived alcoholic odour, and slight garbage smell. The garbage smell was more distinct at the Project's boundary, with weaker and infrequent garbage odours observed offsite.

It is to be noted that the garbage odour detected at Location 1 was most likely attributed to the existing JJ Richards waste recycling facility at Denori Close. The odour generated from JJ Richards is of a similar nature to the Project, however, given the proximity of JJ Richards to the odour survey location, the odours detected at Location 1 is most likely from this site and not from the Project. In addition, the garbage odours detected at Location 3 and 4 were predominately from the passing trucks delivering waste material to the Project, and not solely from the Project site itself.

Following the field odour survey, the assessor went onto the Project site in order to identify whether there were potential on-site sources of odours similar to those detected in the field. It is considered that the garbage odours observed offsite likely originated from the Project, with the exception of Location 1. Other odour characters detected during the survey period were considered to be from non-Project related activities.

The offensiveness of potentially Project related odour (i.e. garbage) detected during the study period has been evaluated using the FIDOL factors (frequency, intensity, duration, odour character and location).

**Table 4: Evaluation of garbage odour using FIDOL factors for odours potentially associated with the Project**

Date	Location ID	Address	Frequency	Intensity	Duration	Odour character	Location
28/07/2023	3	Corner of Elizabeth Street and Davis Road	13%	Very slight	10 to 30 seconds	Garbage	Industrial (passing waste trucks)
			5%	Slight	10 seconds		
	4	1/14 Davis Road	3%	Very slight	10 seconds	Garbage	
			3%	Slight	10 seconds		
	5	20 Davis Road (Project boundary)	18%	Very slight	10 to 30 seconds	Garbage	Industrial (Project site)
			12%	Slight	10 seconds		
			5%	Distinct	10 to 20 seconds		

Date	Location ID	Address	Frequency	Intensity	Duration	Odour character	Location
31/07/2023	3	Corner of Elizabeth Street and Davis Road	17%	Very slight	10 to 20 seconds	Garbage	Industrial (passing waste trucks)
			7%	Slight	10 to 20 seconds		
			3%	Distinct	10 to 20 seconds		
	4	1/14 Davis Road	8%	Very slight	10 to 20 seconds	Garbage	
			2%	Slight	10 seconds		
	5	20 Davis Road (Project boundary)	20%	Very slight	10 to 30 seconds	Garbage	Industrial (Project site)
			12%	Slight	10 to 20 seconds		
			5%	Distinct	10 seconds		

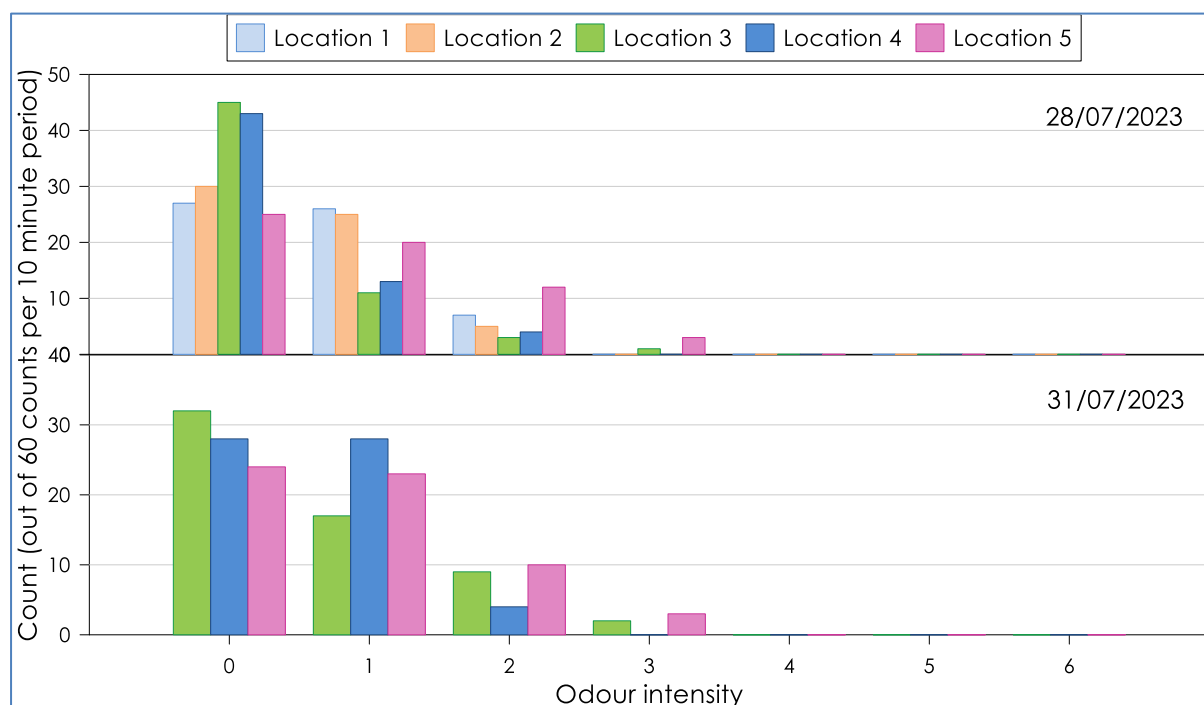


Figure 3: Field odour survey results - Count of odour intensity for garbage odour

While the garbage odour characters are considered to have an unpleasant hedonic tone, as the intensity was predominately very slight to slight (i.e. only just detectable), and the odours frequency and duration were low, it is considered that this odour could not reasonably be perceived as offensive.

Only 3% and 5% of the monitoring period at Location 3 and 5, respectively, was detected at a distinct intensity for garbage odour which is below the 10% VDI threshold for any odour to be considered offensive. The distinct odours at Location 3 were attributed to passing trucks delivering waste material to the site. Location 5 is the site boundary and is anticipated that odour would be detectable at this location.

#### Odour survey results comparison

The field odour survey results were compared against the predicted odour impacts from the Project site presented in the *Wetherill Park Resource Recovery Facility Upgrade – Odour Assessment* (Pacific Environment, 2016) that was prepared as part of the EIS for the upgrade of the facility.

Figure 4 presents the predicted odour concentration as prepared in the odour assessment report. The modelling results show that the odour concentrations will not exceed the 2OU criterion at the nearest industrial receptors immediately adjacent to the Project site.

The odour survey results are considered consistent with the modelling predictions, as odours detected from the Project site were most noticeable at the Project boundary with infrequent and less intensity odours detected at offsite locations, however, as discussed, these odours were due to passing trucks delivering waste material to the site.

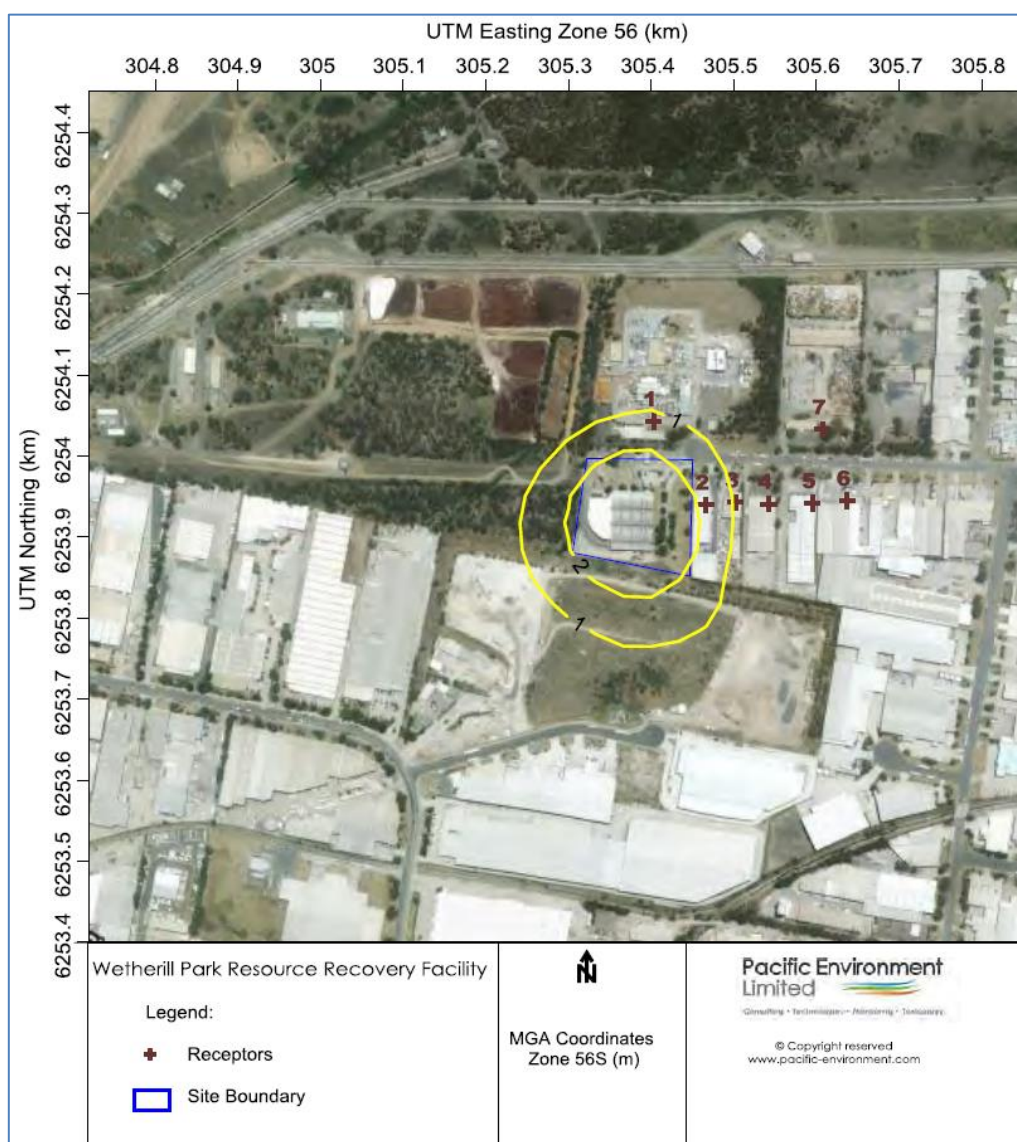


Figure 4: Predicted 99<sup>th</sup> percentile odour concentrations (Pacific Environment, 2016)

The odour survey results in the previous *SUEZ – Wetherill Park RRF Odour Audit* report (ERM, 2020) was also compared with the odour results presented in this report. The previous audit report identified waste odours detected at the offsite locations were largely due to passing waste trucks from the site and ranged in intensity from very slight to slight which is generally consistent with the odour survey results.

### Site odour audit



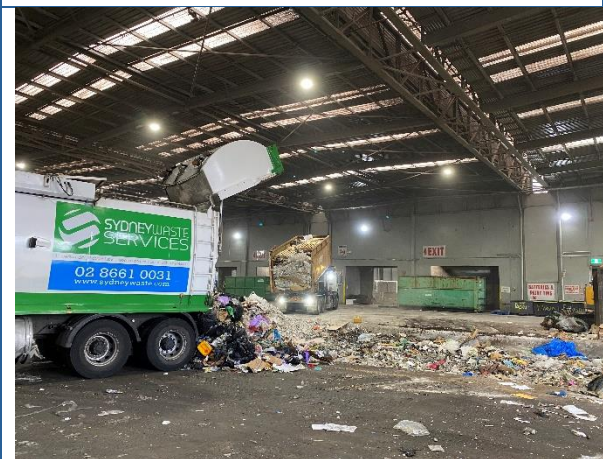

Todoroski Air Sciences conducted a site odour audit for the Project and its operations on 28 July 2023 to identify the potential odour sources and current control measures to mitigate any potential emissions.



All handling and processing activities at the site occur indoors. Material is received and processed within the waste pit where it is sorted and consolidated before being loaded into trucks for dispatch for further processing at offsite locations. The majority of material processed onsite is sourced from commercial premises and is primarily dry with some material received for processing being wet. Any wastewater runoff in the waste pit is funnelled and collected in the leachate containment and stormwater pits. Fugitive emissions generated in the building are suppressed via the misting system located on the warehouse building where the odours and dust emissions are diluted before exiting via the two-roller door exits located on the northern side of the warehouse.

Todoroski Air Sciences identified the key odour emission sources at the site as the waste receival pit and storage area, leachate containment and stormwater pits and vehicles entering and exiting the site. Images of the potential odour sources that were taken during the site audit are presented in **Table 5**.

**Table 5: Potential odour sources**

	
Waste storage area	Waste pit
	
Waste pit	Vehicles entering and exiting the site



Leachate containment and stormwater pits



Leachate containment and stormwater pits

### Odour mitigation and action plan

Todoroski Air Sciences reviewed the current controls employed at the site with reference to the Wetherill Park Resource Recovery Park odour management plan and the overall effectiveness of these controls in managing odour emissions. The controls currently utilised onsite include:

- ✦ Mist spraying and deodorisers are located on the ceiling and roller doors which are operated for 10 to 15 seconds every 45 seconds;
- ✦ Leachate containment and stormwater pits are inspected and tested every 90 days by onsite personnel and routinely maintained every 60 days by an independent contractor;
- ✦ Truck loads covered before entering and exiting the site;
- ✦ Trucks are routinely washed twice a month at the designated truck wash area;
- ✦ Mist spraying is located at the roller door entrances; and,
- ✦ Hardstand areas are swept twice a week and inspected daily.

In addition to these controls, the site regularly conducts odour surveys on a weekly basis to monitor odours generated from the site and evaluate the control measures currently employed.

The odour survey results indicated that garbage odours were most prevalent at the Project boundary and were infrequently observed with a weaker intensity at offsite locations. Based on a site inspection, it was observed that the main source of odour emanating from the site was likely due to fugitive emissions escaping the building.

The current odour controls, mitigation and management measures are considered to be effective in reducing odour impacts in the surrounding environment. No additional measures are recommended for the site.

---

## Summary and conclusions

This report has investigated the potential for odour impacts associated with the Veolia Resource Recovery Facility at Wetherill Park.

The field odour survey indicates that while the garbage odour character, likely related to the Project, was observed offsite during the survey, these were generally of a weak intensity, too infrequent and relatively short lived to be considered offensive. Per the VDI methodology, no offensive odours associated with the Project were identified in the surrounding industrial area. In addition, the odour survey results were considered consistent with the modelling prediction presented in the odour assessment report and the extent of impacts from the site. Notably, the surveys were completed at times likely to lead to the highest odour impacts.

Overall, given the nature of the air emissions sources and the existing air quality control measures, the results indicate that the site was operating without undue air quality impact in the surrounding environment at the times the surveys were completed and compare well with the predicted impacts. The current odour mitigation measures employed at the site are considered satisfactory in reducing and regulating odour emissions emitted from the site, thus no additional measures are recommended.

Please feel free to contact us if you would like to clarify any aspect of this report.

Yours faithfully,  
Todoroski Air Sciences



Emilie Aragnou

---

## References

ERM (2020)

"SUEZ – Wetherill Park RRF Odour Audit", ERM, May 2020.

Pacific Environment (2016)

"Wetherill Park Resource Recovery Facility Upgrade – Odour Assessment", prepared by Pacific Environment on behalf of Golder Associates, February 2016.

Veolia (2021)

"Odour Management Plan Wetherill Park Resource Recovery Park", SUEZ, September 2021.





## Appendix A – Field odour survey logs

Assessor			Emilie Aragnou		
Date			28/07/2023		
Start time			7:42am		
End time			7:52am		
Survey Location			Location 1 - Denori Close		
No.	Intensity rating	Odour code	No.	Intensity rating	Odour code
1	1	11	31	1	17
2	1	15	32	1	16
3	0		33	0	
4	1	16	34	0	
5	0		35	1	17
6	1	16	36	1	17
7	0		37	0	
8	0		38	0	
9	0		39	0	
10	0		40	0	
11	0		41	0	
12	1	9	42	0	
13	0		43	0	
14	0		44	1	11
15	1	1	45	1	16
16	1	1	46	1	16
17	1	1	47	1	16
18	1	17	48	1	18
19	2	17	49	1	18
20	2	16	50	2	16
21	2	16	51	1	15
22	2	16	52	1	15
23	0		53	1	16
24	0		54	0	
25	0		55	0	
26	1	6	56	1	16
27	1	1	57	0	
28	2	1	58	0	
29	1	11	59	0	
30	2	17	60	0	



Assessor			Emilie Aragnou		
Date			28/07/2023		
Start time			7:59am		
End time			8:09am		
Survey Location			Location 2 - 75 Elizabeth Street		
No.	Intensity rating	Odour code	No.	Intensity rating	Odour code
1	2	17	31	0	
2	2	17	32	0	
3	1	17	33	0	
4	1	17	34	0	
5	1	16	35	0	
6	1	16	36	2	11
7	1	17	37	0	
8	1	17	38	0	
9	1	16	39	1	11
10	1	16	40	1	16
11	1	16	41	0	
12	1	16	42	0	
13	1	16	43	0	
14	0		44	0	
15	0		45	0	
16	0		46	0	
17	1	16	47	2	11
18	0		48	1	1
19	0		49	0	
20	0		50	0	
21	1	17	51	0	
22	0		52	0	
23	1	17	53	1	5
24	1	17	54	0	
25	1	17	55	0	
26	1	16	56	1	16
27	1	16	57	2	1
28	1	17	58	0	
29	0		59	1	17
30	0		60	0	



<b>Assessor</b>			Emilie Aragnou		
<b>Date</b>			28/07/2023		
<b>Start time</b>			8:14am		
<b>End time</b>			8:24am		
<b>Survey Location</b>			Location 3 - Corner of Elizabeth Street and Davis Road		
No.	Intensity rating	Odour code	No.	Intensity rating	Odour code
1	0		31	0	
2	0		32	0	
3	0		33	0	
4	0		34	0	
5	0		35	0	
6	0		36	2	15
7	0		37	1	15
8	0		38	1	15
9	0		39	0	
10	1	11	40	0	
11	0		41	0	
12	0		42	0	
13	0		43	0	
14	3	19	44	1	15
15	0		45	0	
16	2	15	46	0	
17	1	15	47	0	
18	0		48	0	
19	0		49	0	
20	0		50	0	
21	0		51	2	15
22	1	15	52	1	16
23	1	15	53	0	
24	1	15	54	0	
25	0		55	1	15
26	0		56	0	
27	0		57	1	16
28	0		58	0	
29	0		59	0	
30	0		60	0	



<b>Assessor</b>			Emilie Aragnou		
<b>Date</b>			28/07/2023		
<b>Start time</b>			8:34am		
<b>End time</b>			8:44am		
<b>Survey Location</b>			Location 4 - 1/14 Davis Road		
No.	Intensity rating	Odour code	No.	Intensity rating	Odour code
1	0		31	1	15
2	0		32	0	
3	2	11	33	0	
4	1	11	34	0	
5	1	11	35	1	17
6	1	16	36	1	17
7	0		37	0	
8	0		38	0	
9	0		39	0	
10	0		40	0	
11	0		41	0	
12	0		42	0	
13	0		43	1	16
14	0		44	1	17
15	0		45	0	
16	0		46	2	17
17	0		47	1	17
18	0		48	0	
19	0		49	0	
20	0		50	0	
21	0		51	0	
22	0		52	1	15
23	0		53	0	
24	0		54	0	
25	2	15	55	1	14
26	0		56	1	14
27	0		57	1	14
28	0		58	0	
29	0		59	2	15
30	0		60	0	



<b>Assessor</b>			Emilie Aragnou		
<b>Date</b>			28/07/2023		
<b>Start time</b>			8:51am		
<b>End time</b>			9:01am		
<b>Survey Location</b>			Location 5 - 20 Davis Road (Project boundary)		
<b>No.</b>	<b>Intensity rating</b>	<b>Odour code</b>	<b>No.</b>	<b>Intensity rating</b>	<b>Odour code</b>
1	0		31	1	15
2	1	15	32	0	
3	0		33	1	15
4	0		34	2	15
5	2	17	35	1	15
6	1	17	36	1	17
7	2	17	37	0	
8	1	17	38	0	
9	1	17	39	0	
10	1	17	40	0	
11	1	15	41	0	
12	1	15	42	0	
13	1	15	43	3	15
14	2	15	44	2	15
15	0		45	1	15
16	0		46	0	
17	0		47	0	
18	2	15	48	3	15
19	1	15	49	3	15
20	1	17	50	2	15
21	1	17	51	0	
22	2	15	52	0	
23	1	15	53	0	
24	2	17	54	0	
25	1	17	55	1	15
26	0		56	0	
27	2	17	57	0	
28	1	17	58	0	
29	2	17	59	0	
30	2	15	60	0	



<b>Assessor</b>			Emilie Aragnou		
<b>Date</b>			31/07/2023		
<b>Start time</b>			7:54am		
<b>End time</b>			8:04am		
<b>Survey Location</b>			Location 3 - Corner of Elizabeth Street and Davis Road		
<b>No.</b>	<b>Intensity rating</b>	<b>Odour code</b>	<b>No.</b>	<b>Intensity rating</b>	<b>Odour code</b>
1	0		31	2	20
2	0		32	2	20
3	0		33	2	20
4	0		34	1	20
5	1	4	35	2	11
6	1	15	36	2	11
7	1	15	37	1	11
8	0		38	1	21
9	1	15	39	1	15
10	2	15	40	0	
11	0		41	0	
12	0		42	0	
13	0		43	0	
14	0		44	1	15
15	1	11	45	0	
16	1	15	46	1	16
17	0		47	0	
18	1	15	48	0	
19	3	15	49	0	
20	3	15	50	0	
21	2	15	51	0	
22	1	15	52	0	
23	0		53	0	
24	2	15	54	0	
25	2	15	55	0	
26	1	15	56	0	
27	1	15	57	0	
28	0		58	0	
29	0		59	0	
30	1	20	60	0	



<b>Assessor</b>			Emilie Aragnou		
<b>Date</b>			31/07/2023		
<b>Start time</b>			8:13am		
<b>End time</b>			8:23am		
<b>Survey Location</b>			Location 4 - 1/14 Davis Road		
<b>No.</b>	<b>Intensity rating</b>	<b>Odour code</b>	<b>No.</b>	<b>Intensity rating</b>	<b>Odour code</b>
1	2	15	31	0	
2	1	15	32	0	
3	0		33	0	
4	0		34	0	
5	0		35	0	
6	0		36	0	
7	1	16	37	1	7
8	0		38	1	7
9	1	16	39	1	16
10	0		40	0	
11	0		41	1	18
12	1	15	42	1	18
13	1	15	43	1	18
14	0		44	1	18
15	1	16	45	0	
16	1	15	46	0	
17	1	16	47	0	
18	1	16	48	0	
19	2	16	49	1	18
20	1	16	50	0	
21	2	16	51	0	
22	1	16	52	0	
23	1	16	53	1	15
24	1	16	54	1	16
25	1	16	55	1	16
26	1	16	56	0	
27	1	18	57	0	
28	1	16	58	0	
29	0		59	0	
30	2	16	60	0	





<b>Assessor</b>			Emilie Aragnou		
<b>Date</b>			31/07/2023		
<b>Start time</b>			8:29am		
<b>End time</b>			9:01am		
<b>Survey Location</b>			Location 5 - 20 Davis Road (Project boundary)		
<b>No.</b>	<b>Intensity rating</b>	<b>Odour code</b>	<b>No.</b>	<b>Intensity rating</b>	<b>Odour code</b>
1	0		31	0	
2	0		32	0	
3	0		33	0	
4	0		34	0	
5	0		35	2	15
6	1	15	36	2	15
7	0		37	3	15
8	0		38	2	15
9	1	15	39	2	15
10	0		40	1	15
11	3	15	41	0	
12	2	15	42	1	17
13	2	15	43	1	17
14	1	15	44	1	15
15	0		45	2	17
16	2	15	46	1	17
17	1	15	47	1	17
18	1	11	48	1	17
19	1	11	49	1	15
20	0		50	1	15
21	0		51	1	15
22	0		52	1	17
23	1	15	53	1	15
24	0		54	0	
25	0		55	3	15
26	1	16	56	0	
27	1	16	57	0	
28	1	15	58	2	3
29	0		59	2	3
30	0		60	1	3



Inspections List

Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
11159	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 27/5/2024	100.00%			Nicholas Monteagudo	27/05/2024	Completed	Completed
11158	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 20/5/2024	100.00%			Nicholas Monteagudo	20/05/2024	Completed	Completed
11155	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 29/4/2024	100.00%			Nicholas Monteagudo	08/05/2024	Completed	Completed
11156	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 6/5/2024	100.00%			Nicholas Monteagudo	06/05/2024	Completed	Completed
11131	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 13/11/2023	100.00%			Steven Buchanan	30/04/2024	Completed	Completed
11154	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 22/4/2024	100.00%			Nicholas Monteagudo	23/04/2024	Completed	Completed

Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
11153	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 15/4/2024</a>	100.00%			Nicholas Monteagudo	16/04/2024	Completed	Completed
11152	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 8/4/2024</a>	100.00%			Nicholas Monteagudo	08/04/2024	Completed	Completed
11148	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 11/3/2024</a>	100.00%			Nicholas Monteagudo	11/03/2024	Completed	Completed
11147	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 4/3/2024</a>	100.00%			Nicholas Monteagudo	04/03/2024	Completed	Completed
11146	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 26/2/2024</a>	100.00%			Nicholas Monteagudo	26/02/2024	Completed	Completed
11145	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 19/2/2024</a>	100.00%			Nicholas Monteagudo	19/02/2024	Completed	Completed
11144	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 12/2/2024</a>	100.00%			Nicholas Monteagudo	12/02/2024	Completed	Completed



Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
11132	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 20/11/2023</a>	100.00%			Nicholas Monteagudo	21/11/2023	Completed	Completed
8794	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 16/8/2023</a>	100.00%			Nicholas Monteagudo	15/08/2023	Completed	Completed
8793	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 9/8/2023</a>	100.00%			Nicholas Monteagudo	11/08/2023	Completed	Completed
8792	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 2/8/2023</a>	100.00%			Nicholas Monteagudo	02/08/2023	Completed	Completed
8791	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 26/7/2023</a>	100.00%			Steven Buchanan	25/07/2023	Completed	Completed
8790	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 19/7/2023</a>	100.00%			Steven Buchanan	18/07/2023	Completed	Completed
8789	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 12/7/2023</a>	100.00%			Steven Buchanan	11/07/2023	Completed	Completed



Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
8781	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 17/5/2023</a>	100.00%			Steven Buchanan	16/05/2023	Completed	Completed
8780	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 10/5/2023</a>	100.00%			Steven Buchanan	09/05/2023	Completed	Completed
8779	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 3/5/2023</a>	100.00%			Steven Buchanan	02/05/2023	Completed	Completed
8778	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 26/4/2023</a>	100.00%			Steven Buchanan	26/04/2023	Completed	Completed
8777	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 19/4/2023</a>	100.00%			Steven Buchanan	18/04/2023	Completed	Completed
8776	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 12/4/2023</a>	100.00%			Steven Buchanan	11/04/2023	Completed	Completed
8775	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 5/4/2023</a>	100.00%			Steven Buchanan	04/04/2023	Completed	Completed



Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
8774	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 29/3/2023</a>	100.00%			Steven Buchanan	28/03/2023	Completed	Completed
8773	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 22/3/2023</a>	100.00%			Steven Buchanan	21/03/2023	Completed	Completed
8772	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 15/3/2023</a>	100.00%			Steven Buchanan	14/03/2023	Completed	Completed
8771	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 8/3/2023</a>	100.00%			Steven Buchanan	07/03/2023	Completed	Completed
8770	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 1/3/2023</a>	100.00%			Steven Buchanan	28/02/2023	Completed	Completed
8769	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 22/2/2023</a>	100.00%			Steven Buchanan	21/02/2023	Completed	Completed
8768	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 15/2/2023</a>	100.00%			Steven Buchanan	14/02/2023	Completed	Completed

Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
8767	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 8/2/2023</a>	100.00%			Steven Buchanan	07/02/2023	Completed	Completed
8766	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 1/2/2023</a>	100.00%			Steven Buchanan	31/01/2023	Completed	Completed



## APPENDIX I      AIR AND DUST ASSESSMENT



# | VEOLIA ENVIRONMENTAL SERVICES (AUSTRALIA) PTY LTD |

## OCCUPATIONAL HYGIENE - AIR AND DUST ASSESSMENT

REFERENCE NO. S12937

WETHERILL TRANSFER STATION | 04<sup>TH</sup> & 10<sup>TH</sup> JANUARY 2024

## **Occupational Hygiene - Air and Dust Assessment**

20 Davis Road, Wetherill Park, NSW, 2164

Prepared for

### **Veolia Environmental Services (Australia) Pty Ltd**

Level 4, 65 Pirrama Road, Pyrmont, NSW, 2009

by

### **HIBBS & ASSOCIATES PTY LTD**

**Suite B, 255 Rawson Street, Auburn NSW 2144**

P.O. Box 4266, Homebush NSW 2140

[www.hibbs.com.au](http://www.hibbs.com.au)

Telephone: (02) 9746 3244

Copyright © Hibbs & Associates Pty Ltd 2024

Our Reference: S12937

Prepared by:

**Albie Louw**

**Senior Occupational Hygienist, ROH, MAIOH**



Reviewed by:

**Jason Porras**

**Senior Occupational Hygienist, CIH, MAIOH**



Date: 04th & 10th January 2024

## Executive Summary

This report presents the results of an Occupational Hygiene - Air and Dust Assessment conducted for Veolia Environmental Services (Australia) Pty Ltd on the 04<sup>th</sup> & 10<sup>th</sup> January 2024 at the Wetherill Transfer Station. The survey was conducted by Albie Louw (Senior Occupational Hygienist, ROH, MAIOH) from Hibbs. The conditions in the depot were normal on the days of the surveys and, therefore, the results obtained during the surveys are representative of a standard workday.

The scope of work included:

- Determining the concentrations of Inhalable and Respirable Dust at the Wetherhill Park Transfer Station, by conducting personal air monitoring.
- Facilitate laboratory analysis of the samples collected.
- Evaluate the data collected and compare with the relevant workplace exposure standards.
- Prepare a report including observations, findings and conclusions, and recommendations, as necessary.

The following results were obtained, and observations or recommendations were made during the survey:

The concentrations for the personal Inhalable Dust samples taken ranged from 0.076 mg/m<sup>3</sup> to 0.605 mg/m<sup>3</sup>. Additionally, the concentrations for the personal Respirable Dust samples taken ranged from 0.010 mg/m<sup>3</sup> to 0.102 mg/m<sup>3</sup>. Therefore, based on the previous statements, the concentrations of dust on all the samples taken at the Wetherhill Transfer Station were well below the prescribed Work Exposure Standards (WESs) of 10 mg/m<sup>3</sup> for Inhalable Dust and 3 mg/m<sup>3</sup> for Respirable Dust respectively.

The highest concentration of Inhalable Dust was detected on one of the samples worn by the machine operators [Sample ID 231218-5; 0.605 mg/m<sup>3</sup>]. This is predominantly due to the employee spending the majority of the day inside of the drop-off depot, where larger particles are generated when waste is unloaded and moved.

Whereas the highest concentration of Respirable Dust was detected on the sample worn by a worker conducting various tasks around the facility [Sample ID 230905-2; 0.102 mg/m<sup>3</sup>], which included predominantly operating heavy plant machinery and cleaning the facility. Sweeping, either manually or mechanically, can re-introduce fine settled particles into the air which subsequently be inhaled by the worker. This could be a contributing factor to the higher levels of respirable dust detected, compared to other workers.

The current control measures, as listed below, do effectively control exposure to Inhalable and Respirable Dust particles generated by the waste off-loading process:

- Misting system installed throughout the drop-off depot.
- Enclosed operator cabins, which are in a good condition.
- Regular maintenance of air conditioning and ventilation systems installed on the heavy plant machinery.
- Pre-start checklist.
- Effective housekeeping methods.
- Trained staff.

- Minimal staff interaction with the contaminant source.

Site management should be cognizant of the fact that, based on the results obtained for inhalable and respirable dust, workers are not required to wear particulate respirators whilst working at the Wetherill Transfer Station. However, due to fact that various unknown contaminants may be present in the waste dropped-off at the site, it would be advisable to implement the recommendations made under Section 8 of the report to keep exposure as low as possible.

It should be noted that Asbestos containing material is present on the site. However, it is stored in a sperate outdoors area, inside of sealed skips. Additionally, employees of Veolia Environmental Services (Australia) Pty Ltd do not interact with the Asbestos containing materials at all when it is being unloaded or removed from the transfer facility. Therefore, it's presence at the transfer station is a low risk to employees on the premises and no further recommendations were made.



## TABLE OF CONTENTS

<b>Executive Summary</b>	<b>3</b>
<b>1. Introduction</b>	<b>6</b>
1.1 Scope of Assessment	6
1.2 Abbreviations	6
<b>2. Report Limitations and Disclaimer</b>	<b>7</b>
<b>3. Process description</b>	<b>8</b>
<b>4. Methodology</b>	<b>9</b>
4.1 Inhalable Dust	9
4.2 Respirable Dust	9
<b>5. Workplace Exposure Standards (WES)</b>	<b>10</b>
5.1 Airbourne WES Information	10
5.2 Shift Adjustment Model	11
<b>6. Results Summary</b>	<b>12</b>
6.1 Inhalable Dust	12
6.2 Respirable Dust	13
<b>7. Discussion</b>	<b>14</b>
<b>8. Recommendation</b>	<b>15</b>
<b>9. Conclusions</b>	<b>16</b>
<b>Appendix A Laboratory Results</b>	<b>17</b>

## LIST OF PHOTOGRAPHS

Photograph 3.1: Indicating the misting system used on site.	8
Photograph 3.2: Indicating normal operation in the facility.	8
Photograph 3.3: Indicating a housekeeping method used to clean the premises.	8
Photograph 3.4: Indicating the heavy plant machinery with enclosed cabins used on site.	8

## LIST OF TABLES

Table 5.1: Workplace Exposure Standards	10
Table 6.1: Summary of the personal Inhalable Dust samples.	12
Table 6.2: Summary of the personal Respirable Dust samples.	13

## 1. Introduction

This report presents the results of an Occupational Hygiene - Air and Dust Assessment conducted for Veolia Environmental Services (Australia) Pty Ltd on the 04<sup>th</sup> & 10<sup>th</sup> January 2024 at the Wetherill Transfer Station. The survey was conducted by Albie Louw (Senior Occupational Hygienist, ROH, MAIOH) from Hibbs. The conditions in the depot were normal on the days of the surveys and, therefore, the results obtained during the surveys are representative of a standard workday.

### 1.1 Scope of Assessment

The scope of work included:

- Determining the concentrations of Inhalable and Respirable Dust at the Wetherhill Park Transfer Station, by conducting personal air monitoring.
- Facilitate laboratory analysis of the samples collected.
- Evaluate the data collected and compare with the relevant workplace exposure standards.
- Prepare a report including observations, findings and conclusions, and recommendations, as necessary.

### 1.2 Abbreviations

HCIS	Hazardous Chemical Information System
LOQ	Limit of Quantitation
mg/m <sup>3</sup>	Milligrams per cubic metre
PPE	Personal Protective Equipment
STEL	Short Term Exposure Limit(s)
SWA	Safe Work Australia
TWA	Time Weighted Average
WES	Workplace Exposure Standard

## 2. Report Limitations and Disclaimer

Hibbs & Associates Pty Ltd prepared this report for Veolia Environmental Services (Australia) Pty Ltd solely for the purposes set out herein and we do not intend that any other person use or rely on the contents of the Report. The information contained in this report is based on a limited review of the site, interviews with site personnel and review of documentation provided to Hibbs & Associates Pty Ltd at the time of the review. Whilst the information contained in the Report is accurate to the best of our knowledge and belief, Hibbs & Associates Pty Ltd cannot guarantee the completeness or accuracy of any of the descriptions or conclusions based on the information supplied to it or obtained during the investigations, site surveys, visits and interviews. Furthermore, conditions can change within limited periods of time, and this should be considered if the Report is to be used after any elapsed period subsequent to its issue.

Hibbs & Associates Pty Ltd has exercised reasonable care, skill and diligence in preparation of the Report. However, except for any non-excludable statutory provision, Hibbs & Associates Pty Ltd gives no warranty in relation to its services or the Report, and is not liable for any loss, damage, injury or death suffered by any party (whether caused by negligence or otherwise) arising from or relating to the services or the use or otherwise of this Report. Where the Client has the benefit of any non-excludable condition or warranty, the liability of Hibbs & Associates Pty Ltd is, to the extent permitted by law, limited to re-performing the services or refunding the fees paid in relation to the services or sections of the Report not complying with the conditions or warranty.

Exposure data collected were representative of the working conditions on the day. Operator and process variability can affect results significantly. As such, it is generally recommended that the number of samples taken should be statistically significant. In this case, conclusions and recommendations are based upon a limited data set. The Report must be read in its entirety and must not be copied, distributed or referred to in part only.

### 3. Process description

The waste transfer station is a warehouse with large doors on opposing sides of the area, which has ample natural ventilation to reduce the accumulation of airborne contaminants. Additionally, there is a misting system installed in the area, which disperses mist periodically at the entrances to the area and at strategic locations within the facility. The majority of the workers operate driven machinery on the premises, transferring waste from the drop-off area to the underground holding area. Moreover, other workers clean the surrounding premises and control traffic entering or leaving the area. Workers at the site work an average 40 hour per week (8-hour shifts for five days). Refer to the photographs below:



**Photograph 3.1:** Indicating the misting system used on site.



**Photograph 3.2:** Indicating normal operation in the facility.



**Photograph 3.3:** Indicating a housekeeping method used to clean the premises.



**Photograph 3.4:** Indicating the heavy plant machinery with enclosed cabins used on site.

## 4. Methodology

### 4.1 Inhalable Dust

The inhalable airborne dust measurements were conducted in accordance with AS 3640-2009 *Workplace Atmospheres - Method for Sampling and Gravimetric Determination of Inhalable Dust*.

The sample collection was carried out using portable air sampling pumps with Institute of Occupational Medicine (IOM) UK sampling heads fitted with 25 mm, 5 µm PVC membrane filters, at a sampling flow rate of 2.0 litres/min. SafeWork NSW TestSafe Laboratory provided pre-weighed filters loaded onto pre-labelled IOM cassettes for inhalable dust sampling. Laboratory and Field blanks were submitted with the samples for quality assurance purposes.

The personal exposure samples were collected from the operator's breathing zone during typical work tasks. The breathing zone is defined as a hemisphere of 300 mm radius on the front of the head and measured from the midpoint of an imaginary line joining the ears. This requires the operator to wear a battery-operated sampling pump connected by hose to the sampling head (IOM) mounted on the shirt collar or lapel.

NATA accredited SafeWork NSW TestSafe Laboratory analysed the samples using gravimetric analysis (method WCA.190) with a limit of quantitation (LOQ) of 0.01 mg/filter.

### 4.2 Respirable Dust

The respirable airborne dust measurements were conducted in accordance with AS 2985-2009 *Workplace Atmospheres - Method for sampling and gravimetric determination of respirable dust*.

The sample collection was carried out using portable air sampling pumps with a Dewell-Higgins plastic Cyclone for Respirable Dust, fitted with 25 mm, 5 µm PVC membrane filters, at a sampling flow rate of 2.2 litres/min. SafeWork NSW TestSafe Laboratory provided pre-weighed filters loaded onto pre-labelled cassettes for respirable dust sampling. Laboratory and field blanks were submitted with the samples for quality assurance purposes.

The personal exposure samples were collected from the operator's breathing zone during typical work tasks. The breathing zone is defined as a hemisphere of 300 mm radius on the front of the head and measured from the midpoint of an imaginary line joining the ears. This requires the operator to wear a battery-operated sampling pump connected by hose to the sampling head (Dewell-Higgins plastic cyclone for Respirable Dust) mounted on the shirt collar or lapel.

NATA accredited SafeWork NSW TestSafe Laboratory analysed the samples using gravimetric analysis (method WCA.191) with a limit of quantitation (LOQ) of 0.01 mg/filter.

## 5. Workplace Exposure Standards (WES)

### 5.1 Airbourne WES Information

Workplace Exposure Standards (WES) for the evaluation of atmospheric contaminants in the workplace are contained in Safe Work Australia (SWA) Workplace Exposure Standards for Airborne Contaminants – effective October 2022 (SWA 2022) <sup>1</sup>. Subsequent updates to the listed standards are available from the SWA Hazardous Chemical Information System (HCIS) website (<http://hcis.safeworkaustralia.gov.au/>). The SWA Guidance on the Interpretation of Workplace Exposure Standards for Airborne Contaminants – April 2013 was considered before adopting the selected WES used in this study.

The WES represent airborne concentrations of individual substances, exposure at which, according to current knowledge, should not impair the health of, nor cause undue discomfort to, nearly all workers. The WES do not represent a fine dividing line between a healthy and unhealthy work environment. Natural biological variation and the range of individual susceptibilities mean that a small number of people might experience adverse health effects below the exposure standard.

The exposure standards are expressed as time-weighted average (TWA) concentrations over an eight-hour working day, for a five-day working week, and reflect long-term exposure (over the employees working lifetime). During the eight-hour averaging period, excursions above the TWA exposure standard are permitted provided these excursions are compensated by equivalent excursions below the standard during the day. However, as some substances can give rise to acute health effects even after brief exposures to high concentrations, excursions above the TWA concentration are restricted by Short Term Exposure Limits (STEL), usually 15 minutes.

The STEL represents the concentration to which it is believed that workers can be exposed continuously for a short period of time without suffering from 1) irritation, 2) chronic or irreversible tissue damage, or 3) narcosis of sufficient degree to increase the likelihood of accidental injury, impair self-rescue or materially reduce work efficiency, and provided that the daily WES-TWA is not exceeded. It is not a separate independent exposure guideline; rather, it supplements the WES-TWA where there are recognized acute effects from a substance whose toxic effects are primarily of a chronic nature. STEL is applied where evidence has suggested that adverse health effects may result from excessive short-term exposures. Exposures at the STEL should not be longer than 15 minutes and should not occur any more than 4 times a day. A rest period of 60 minutes is required between each STEL exposure.

The table below presents a summary of the relevant WES values:

**Table 5.1: Workplace Exposure Standards**

Contaminant	WES-TWA (8 Hrs)	WES-STEL (15 Min)	Shift Adjust WES-TWA (10 Hrs)	Unit	Notation
Inhalable Dust	10	-	Not Required (See 5.2)	mg/m <sup>3</sup>	N/A
Respirable Dust	3	-	Not Required (See 5.2)	mg/m <sup>3</sup>	N/A



#### Table Notes:

- There is no WES for RD published by SafeWork Australia. Note that not all dusts have assigned exposure standards, however, it should not be assumed these dusts do not present a hazard to health. For guidance purposes the following values are provided:
  - 3 mg/m<sup>3</sup> mandated in NSW Coal Mines (Mines and Petroleum sites Regulations 2022).
  - 3 mg/m<sup>3</sup> is recommended by the American Conference of Governmental Industrial Hygienists (ACGIH).
  - 4 mg/m<sup>3</sup> is recommended by the Health and Safety Executive, UK (HSE UK).
  - 1 mg/m<sup>3</sup> is recommended by the Australian Institute of Occupational Hygiene as a trigger value to protect against lung overload and inflammation for dust which do not have any assigned WES value.

## 5.2 Shift Adjustment Model

The Québec model (AIOH, 2016) was selected and applied for calculating the adjustment factor based on the adjustment category with regard to the daily and weekly average working hours relative to the WES. No shift adjustments were, however, required for Inhalable and Respirable Dust.



## 6. Results Summary

### 6.1 Inhalable Dust

**Table 6.1: Summary of the personal Inhalable Dust samples.**

Sample I.D.	Employee	Sample Location	Result (mg/m <sup>3</sup> )	WES-TWA (8 Hrs)	Shift Adjust WES-TWA (10 Hrs)	WES Exceedance	Comments
231218-5	Tyler Walzak	Personal sample worn by a worker operating various heavy plant machinery in the drop-off depot.	0.605	10	Not Required	No	The employee spent the majority of the shift indoors, either within the cabin of various heavy plant machinery or while conducting various tasks in the drop-off depot (directing traffic, doing inspections, general labour etc.).
231218-15	Julie Malcolm	Personal sample worn by a worker employed as a weighbridge operator at the access control point to the facility.	0.263	10	Not Required	No	The worker remained in the weighbridge office for the majority of the day, which is directly adjacent to the drop-off depot. Her duties include weighing the trucks entering and exiting the facility and controlling access to the drop off-depot.
231218-16	Victor Nguyen	Personal sample worn by a worker operating various heavy plant machinery in the drop-off depot.	0.121	10	Voided*		The employee spent the majority of the shift indoors, either within the cabin of various heavy plant machinery or while conducting various tasks in the drop-off depot (directing traffic, doing inspections, general labour etc.).
231218-19	Phong Phoung	Personal sample worn by a worker conducting various tasks in and around the facility.	0.076	10	Not Required	No	The worker conducted various tasks during the workday around the facility, which included operating the bulldozer and front loader, operating the sweeper outdoors and various other miscellaneous tasks for the remainder of the day (manual sweeping, general labour, going into tunnel etc.).

\*Personal air sampling pump automatically switched off during monitoring due to restricted airflow, consequently this sample was voided.

## 6.2 Respirable Dust

**Table 6.2: Summary of the personal Respirable Dust samples.**

Sample I.D.	Employee	Sample Location	Result (mg/m <sup>3</sup> )	WES-TWA (8 Hrs)	Shift Adjust WES-TWA (10 Hrs)	WES Exceedance	Comments
230905-6	Victor Nguyen	Personal sample worn by a worker operating various heavy plant machinery in the drop of depot.	0.066	3	Not Required	No	The employee spent the majority of the shift indoors, either within the cabin of various heavy plant machinery or while conducting various tasks in the drop-off depot (directing traffic, doing inspections, general labour etc.).
230905-68	Julie Malcolm	Personal sample worn by a worker employed as a weighbridge operator at the access control point to the facility.	0.010	3	Not Required	No	The worker remained in the weighbridge office for the majority of the day, which is directly adjacent to the drop-off depot. Her duties include weighing the trucks entering and exiting the facility and controlling access to the drop off-depot.
230905-2	Phong Phoung	Personal sample worn by a worker conducting various tasks in and around the facility.	0.102	3	Not Required	No	The worker conducted various tasks during the workday around the facility, which included operating the bulldozer and front loader, operating the sweeper outdoors and various other miscellaneous tasks for the remainder of the day (manual sweeping, general labour, going into tunnel etc.).

## 7. Discussion

The concentrations for the personal Inhalable Dust samples taken ranged from 0.076 mg/m<sup>3</sup> to 0.605 mg/m<sup>3</sup>. Additionally, the concentrations for the personal Respirable Dust samples taken ranged from 0.010 mg/m<sup>3</sup> to 0.102 mg/m<sup>3</sup>. Therefore, based on the previous statements, the concentrations of dust on all the samples taken at the Wetherhill Transfer Station were well below the prescribed Work Exposure Standards (WESs) of 10 mg/m<sup>3</sup> for Inhalable Dust and 3 mg/m<sup>3</sup> for Respirable Dust respectively.

The highest concentration of Inhalable Dust was detected on one of the samples worn by the machine operators [Sample ID 231218-5; 0.605 mg/m<sup>3</sup>]. This is predominantly due to the employee spending the majority of the day inside of the drop-off depot, where larger particles are generated when waste is unloaded and moved.

Whereas the highest concentration of Respirable Dust was detected on the sample worn by a worker conducting various tasks around the facility [Sample ID 230905-2; 0.102 mg/m<sup>3</sup>], which included predominantly operating heavy plant machinery and cleaning the facility. Sweeping, either manually or mechanically, can re-introduce fine settled particles into the air which subsequently be inhaled by the worker. This could be a contributing factor to the higher levels of respirable dust detected, compared to other workers.

The current control measures, as listed below, do effectively control exposure to Inhalable and Respirable Dust particles generated by the waste off-loading process:

- Misting system installed throughout the drop-off depot.
- Enclosed operator cabins, which are in a good condition.
- Regular maintenance of air conditioning and ventilation systems installed on the heavy plant machinery.
- Pre-start checklist.
- Effective housekeeping methods.
- Trained staff.
- Minimal staff interaction with the contaminant source.

Site management should be cognizant of the fact that, based on the results obtained for inhalable and respirable dust, workers are not required to wear particulate respirators whilst working at the Wetherill Transfer Station. However, due to fact that various unknown contaminants may be present in the waste dropped-off at the site, it would be advisable to implement the recommendations made under Section 8 of the report to keep exposure as low as possible.

It should be noted that Asbestos containing material is present on the site. However, it is stored in a sperate outdoors area, inside of sealed skips. Additionally, employees of Veolia Environmental Services (Australia) Pty Ltd do not interact with the Asbestos containing materials at all when it is being unloaded or removed from the transfer facility. Therefore, it's presence at the transfer station is a low risk to employees on the premises and no further recommendations were made.

## 8. Recommendation

- Additional air monitoring could be conducted to acquire a larger dataset of information in varying conditions, which will provide data that is a more accurate representation of employee exposure.
- Disposable P1 respirators could be made available on site for all employee to wear when required. It is advised that site management encourage workers to wear these respirators when conducting any work that may generate dust or when being near an activity generating dust, even if it is not legally required. Moreover, if the site management does decide to make P1 respirators available on site, it would be beneficial to have the employee's fit tested and trained in the proper use of the respirators.
- Although the results indicate that the employee conducting dry sweeping is not exposed to elevated levels of dust, it would be advantageous to make use of wet cleaning methods where possible to further reduce exposure to Dust as low as possible.

## 9. Conclusions

The employees are exposed to minimal concentrations of airborne dust on the premises. However, due to fact that various unknown contaminants may be present in the waste dropped-off at the site, it would be advisable to provide employees with appropriate P1 respirators.



## Appendix A Laboratory Results

The Manager  
Hibbs & Associates Pty Ltd  
PO Box 4266  
HOMEBUSH NSW 2140

**Lab. Reference:** 2024-0049

Samples analysed as received

**SAMPLE ORIGIN:** S12937 HW4791 - Veolia Wetherill Park

**DATE OF INVESTIGATION:** 04/01/2024

**DATE RECEIVED:** 8/01/24

**ANALYSIS REQUIRED:** Gravimetry

***REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal***

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw  
Manager

**Date:** 9/01/24



**Gravimetric Determination of Respirable Dust**

**Client : Albie Louw**

**Job No.: S12937**

**Company: Hibbs & Associates**

**Date Sampled: 04/01/2024**

**COC No.: S12937-HW4791- Veolia Wetherill Park**

**Date Analysed: 09/01/2024**

Laboratory Reference Number	Sample ID	Laboratory Filter ID	Pre-Weight (g)	Post-Weight (g)	Post-Pre (g)	Amount (mg)
-----------------------------	-----------	----------------------	----------------	-----------------	--------------	-------------

**BLANK FILTERS ENTRIES**

2024-0049-A-4	231117-32	231117-32	0.005 916	0.005 914	-0.000 002	
2024-0049-A-5	230905-1	230905-1	0.006 452	0.006 447	-0.000 005	
Average					-0.000 003 5	

**SAMPLE FILTER ENTRIES**

2024-0049-A-1	230905-6	230905-6	0.005 998	0.006 061	0.000 063	0.07
2024-0049-A-2	230905-68	230905-68	0.006 152	0.006 161	0.000 009	0.01
2024-0049-A-3	230905-2	230905-2	0.006 385	0.006 473	0.000 088	0.09

**Gravimetric Determination of Respirable Dust**

**Client : Albie Louw**

**Job No.: S12937**

**Company: Hibbs & Associates**

**Date Sampled: 04/01/2024**

**COC No.: S12937-HW4791- Veolia Wetherill Park**

**Date Analysed: 09/01/2024**

Method : WCA 191 Gravimetric Determination of Respirable Dust

Limit of Quantitation (LOQ) : 0.01 mg/Filter

Comment: Six (6) decimal balance used. The amount of dust on the filter has been blank corrected by subtracting the average blank value from the "post-pre" weight value.

Measurement Uncertainty : The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data. The measurement uncertainty relates to the analysis of the analyte on the sampling device and does not take into consideration the sampling parameters such as pump flowrate, time, temperature and pressure. Measurement Uncertainty is  $\pm 0.02$  mg.

The Manager  
Hibbs & Associates Pty Ltd  
PO Box 4266  
HOMEBUSH NSW 2140

**Lab. Reference:** 2024-0108

Samples analysed as received

**SAMPLE ORIGIN:** S12937-HW4790-Veolia Wetherill Park

**DATE OF INVESTIGATION:** 04/01/2024

**DATE RECEIVED:** 12/01/24

**ANALYSIS REQUIRED:** Gravimetry

***REPORT OF ANALYSIS OFFICIAL: Sensitive – Personal***

See attached sheet(s) for sample description and test results.

The results of this report have been approved by the signatory whose signature appears below.

For all administrative or account details please contact the Laboratory.

Increment and total pagination can be seen on the following pages.



Martin Mazereeuw

Manager

**Date:** 15/01/24

### Gravimetric Determination of Inhalable Dust

**Client : Albie Louw**

**Job No.: S12937**

**Company: Hibbs & Associates**

**Date Sampled: 04/01/2024**

**COC No.: S12937-HW4790- Veolia Wetherill Park**

**Date Analysed: 15/01/2024**

Laboratory Reference Number	Sample ID	Laboratory Filter ID	Pre-Weight (g)	Post-Weight (g)	Post-Pre (g)	Amount (mg)
-----------------------------	-----------	----------------------	----------------	-----------------	--------------	-------------

#### BLANK FILTERS ENTRIES

2024-0108-5	231218-4	231218-4	0.006 347	0.006 347	0.000 000	
2024-0108-6	231218-7	231218-7	0.005 921	0.005 918	-0.000 003	
2024-0108-7	231218-17	231218-17	0.005 155	0.005 156	0.000 001	
Average					-0.000 000 7	

#### SAMPLE FILTER ENTRIES

2024-0108-1	231218-5	231218-5	0.006 191	0.006 755	0.000 564	0.56
2024-0108-2	231218-15	231218-15	0.005 885	0.006 095	0.000 210	0.21
2024-0108-3	231218-16	231218-16	0.005 214	0.005 317	0.000 103	0.10
2024-0108-4	231218-19	231218-19	0.005 220	0.005 290	0.000 070	0.07

**Gravimetric Determination of Inhalable Dust**

**Client : Albie Louw**

**Job No.: S12937**

**Company: Hibbs & Associates**

**Date Sampled: 04/01/2024**

**COC No.: S12937-HW4790- Veolia Wetherill Park**

**Date Analysed: 15/01/2024**

Method : WCA 190 Gravimetric Determination of Inhalable Dust

Limit of Quantitation (LOQ) : 0.01 mg/Filter

Comment: Six (6) decimal balance used. The amount of dust on the filter has been blank corrected by subtracting the average blank value from the "post-pre" weight value.

Measurement Uncertainty : The measurement uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The uncertainty estimate is an expanded uncertainty using a coverage factor of 2, which gives a level of confidence of approximately 95%. The estimate is compliant with the "ISO Guide to the Expression of Uncertainty in Measurement" and is a full estimate based on in-house method validation and quality control data. The measurement uncertainty relates to the analysis of the analyte on the sampling device and does not take into consideration the sampling parameters such as pump flowrate, time, temperature and pressure. Measurement Uncertainty is  $\pm 0.02$  mg.

**Quality • Service • Integrity**



**HIBBS**

Excellence in Risk Management

**HIBBS & ASSOCIATES PTY LTD**

**Sydney**

Suite B, 255 Rawson Street, Auburn NSW 2144

P.O. Box 4266, Homebush NSW 2140

**Melbourne**

17 / 31 Queen Street, Melbourne VIC 3000

**Brisbane**

27 / 32 Turbot Street, Brisbane QLD 4000

**P 1300 444 227**

**E [info@hibbs.com.au](mailto:info@hibbs.com.au)**

**ABN 12 608 093 134**

**[www.hibbs.com.au](http://www.hibbs.com.au)**

Inspections List

Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
11159	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 27/5/2024	100.00%			Nicholas Monteagudo	27/05/2024	Completed	Completed
11158	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 20/5/2024	100.00%			Nicholas Monteagudo	20/05/2024	Completed	Completed
11155	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 29/4/2024	100.00%			Nicholas Monteagudo	08/05/2024	Completed	Completed
11156	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 6/5/2024	100.00%			Nicholas Monteagudo	06/05/2024	Completed	Completed
11131	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 13/11/2023	100.00%			Steven Buchanan	30/04/2024	Completed	Completed
11154	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 22/4/2024	100.00%			Nicholas Monteagudo	23/04/2024	Completed	Completed



Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
11153	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 15/4/2024</a>	100.00%			Nicholas Monteagudo	16/04/2024	Completed	Completed
11152	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 8/4/2024</a>	100.00%			Nicholas Monteagudo	08/04/2024	Completed	Completed
11148	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 11/3/2024</a>	100.00%			Nicholas Monteagudo	11/03/2024	Completed	Completed
11147	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 4/3/2024</a>	100.00%			Nicholas Monteagudo	04/03/2024	Completed	Completed
11146	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 26/2/2024</a>	100.00%			Nicholas Monteagudo	26/02/2024	Completed	Completed
11145	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 19/2/2024</a>	100.00%			Nicholas Monteagudo	19/02/2024	Completed	Completed
11144	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 12/2/2024</a>	100.00%			Nicholas Monteagudo	12/02/2024	Completed	Completed



Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
11132	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 20/11/2023</a>	100.00%			Nicholas Monteagudo	21/11/2023	Completed	Completed
8794	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 16/8/2023</a>	100.00%			Nicholas Monteagudo	15/08/2023	Completed	Completed
8793	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 9/8/2023</a>	100.00%			Nicholas Monteagudo	11/08/2023	Completed	Completed
8792	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 2/8/2023</a>	100.00%			Nicholas Monteagudo	02/08/2023	Completed	Completed
8791	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 26/7/2023</a>	100.00%			Steven Buchanan	25/07/2023	Completed	Completed
8790	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 19/7/2023</a>	100.00%			Steven Buchanan	18/07/2023	Completed	Completed
8789	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 12/7/2023</a>	100.00%			Steven Buchanan	11/07/2023	Completed	Completed

Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
8788	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 5/7/2023</a>	100.00%			Steven Buchanan	04/07/2023	Completed	Completed
8787	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 28/6/2023</a>	100.00%			Steven Buchanan	27/06/2023	Completed	Completed
8786	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 21/6/2023</a>	100.00%			Steven Buchanan	20/06/2023	Completed	Completed
8785	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 14/6/2023</a>	100.00%			Steven Buchanan	13/06/2023	Completed	Completed
8784	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 7/6/2023</a>	100.00%			Steven Buchanan	06/06/2023	Completed	Completed
8783	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 31/5/2023</a>	100.00%			Steven Buchanan	30/05/2023	Completed	Completed
8782	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 24/5/2023</a>	100.00%			Steven Buchanan	25/05/2023	Completed	Completed

Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
8781	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 17/5/2023</a>	100.00%			Steven Buchanan	16/05/2023	Completed	Completed
8780	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 10/5/2023</a>	100.00%			Steven Buchanan	09/05/2023	Completed	Completed
8779	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 3/5/2023</a>	100.00%			Steven Buchanan	02/05/2023	Completed	Completed
8778	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 26/4/2023</a>	100.00%			Steven Buchanan	26/04/2023	Completed	Completed
8777	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 19/4/2023</a>	100.00%			Steven Buchanan	18/04/2023	Completed	Completed
8776	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 12/4/2023</a>	100.00%			Steven Buchanan	11/04/2023	Completed	Completed
8775	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 5/4/2023</a>	100.00%			Steven Buchanan	04/04/2023	Completed	Completed

Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
8774	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 29/3/2023</a>	100.00%			Steven Buchanan	28/03/2023	Completed	Completed
8773	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 22/3/2023</a>	100.00%			Steven Buchanan	21/03/2023	Completed	Completed
8772	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 15/3/2023</a>	100.00%			Steven Buchanan	14/03/2023	Completed	Completed
8771	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 8/3/2023</a>	100.00%			Steven Buchanan	07/03/2023	Completed	Completed
8770	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 1/3/2023</a>	100.00%			Steven Buchanan	28/02/2023	Completed	Completed
8769	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 22/2/2023</a>	100.00%			Steven Buchanan	21/02/2023	Completed	Completed
8768	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 15/2/2023</a>	100.00%			Steven Buchanan	14/02/2023	Completed	Completed

Reco...	Location	State	Type of Ins...	Name	Progress	Person Resp...	Due ...	Completed By	Complete...	Workflow ...	Status
8767	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 8/2/2023</a>	100.00%			Steven Buchanan	07/02/2023	Completed	Completed
8766	Wetherill Park Transfer Station	NSW	Odour Monitoring Checklists	<a href="#">Wetherill Park RRF - Weekly - 1/2/2023</a>	100.00%			Steven Buchanan	31/01/2023	Completed	Completed



Environmental Resources Management Australia Pty Ltd



Inspection List Report												
Inspections List - Current and 12 months												
Record No.	Location	Type of Inspection	Name	# Questions	# Filled Questions	Progress	Status	Due Date	Assigned To	Completed By	Completed On	Person Responsible
8730	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Weekly - 31/7/2023	11	11	1	Completed		Nicholas Monteagudo - 10002760	Nicholas Monteagudo	2/08/2023	
8792	Wetherill Park Transfer Station	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 2/8/2023	21	21	1	Completed		Nicholas Monteagudo - 10002760	Nicholas Monteagudo	2/08/2023	
8791	Wetherill Park Transfer Station	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 26/7/2023	21	21	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	25/07/2023	
8729	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Weekly - 24/7/2023	11	11	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	24/07/2023	
8790	Wetherill Park Transfer Station	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 19/7/2023	21	21	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	18/07/2023	
8728	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Weekly - 17/7/2023	11	11	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	17/07/2023	
10101	Wetherill Park Transfer Station	Workplace Inspections - Collections & Infrastructure	Transfer Station - 12/7/2023	72	72	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	11/07/2023	
8789	Wetherill Park Transfer Station	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 12/7/2023	21	21	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	11/07/2023	
8727	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Weekly - 10/7/2023	11	11	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	10/07/2023	
8788	Wetherill Park Transfer Station	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 5/7/2023	21	21	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	4/07/2023	
8726	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Weekly - 3/7/2023	11	11	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	2/07/2023	
8805	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Monthly - 1/7/2023	5	5	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	30/06/2023	
8787	Wetherill Park Transfer Station	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 28/6/2023	21	21	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	27/06/2023	
8725	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Weekly - 26/6/2023	11	11	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	26/06/2023	
8786	Wetherill Park Transfer Station	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 21/6/2023	21	21	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	20/06/2023	
8724	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Weekly - 19/6/2023	11	11	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	19/06/2023	
8785	Wetherill Park Transfer Station	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 14/6/2023	21	21	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	13/06/2023	
8723	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Weekly - 12/6/2023	11	11	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	13/06/2023	
10100	Wetherill Park Transfer Station	Workplace Inspections - Collections & Infrastructure	Transfer Station - 12/6/2023	72	72	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	13/06/2023	
8784	Wetherill Park Transfer Station	Odour Monitoring Checklists	Wetherill Park RRF - Weekly - 7/6/2023	21	21	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	6/06/2023	
8722	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Weekly - 5/6/2023	11	11	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	5/06/2023	
8804	Wetherill Park Transfer Station	Monitoring Checklists	Transfer Station - Monthly - 1/6/2023	5	5	1	Completed		Steven Buchanan - 10002139	Steven Buchanan	1/06/2023	

Location: Wetherill Park Transfer Station  
Wednesday, 5 June 2024 2:13 PM (UTC+10:00) Canberra, Melbourne, Sydney by Ken Dekok



ERM HAS OVER 160 OFFICES ACROSS THE FOLLOWING  
COUNTRIES AND TERRITORIES WORLDWIDE

Argentina	The Netherlands
Australia	New Zealand
Belgium	Peru
Brazil	Poland
Canada	Portugal
China	Romania
Colombia	Senegal
France	Singapore
Germany	South Africa
Ghana	South Korea
Guyana	Spain
Hong Kong	Switzerland
India	Taiwan
Indonesia	Tanzania
Ireland	Thailand
Italy	UAE
Japan	UK
Kazakhstan	US
Kenya	Vietnam
Malaysia	
Mexico	
Mozambique	

**ERM's Newcastle Office**

Level 1, 45 Watt St  
Newcastle  
NSW, 2300

T: +61 2 4903 5500

**[www.erm.com](http://www.erm.com)**