


Annual Environmental Management Report - Clyde Transfer Terminal 2022-2023



**NSW Resource Recovery Annual Environmental
Management Report - Clyde Transfer Terminal**

Issue Date 14/03/2023

Name of operation	Clyde Transfer Terminal
Name of operator	Veolia Environmental Services
Development consent / project approval #	DA 205-08-01
Name of holder of development consent / project approval	Veolia Environmental Services
Mining lease #	NA
Name of holder of mining lease	NA
Water licence #	NA
Name of holder of the water licence	NA
MOP/RMP start date	NA
MOP/RMP end date	NA
Annual Review start date	15th of January 2022
Annual Review end date	14th of January 2023
<p>I, Anae Ressos, certify that this audit report is a true and accurate record of the compliance status of Clyde Transfer Terminal for the period 15 January 2022-14 January 2023 and that I am authorised to make this statement on behalf of Veolia Environmental Services.</p> <p>Note:</p> <p>a) The Annual Review is an 'environmental audit' for the purposes of section 122B(2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000.</p> <p>b) The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud by false or misleading statement—maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents—maximum penalty 2 years imprisonment or \$22,000, or both).</p>	
Name of authorised reporting officer	Anae Ressos
Title of authorised reporting officer	Environmental Management Representative - Clyde Transfer Terminal
Signature of authorised reporting officer	
Date	14/03/2023

Quality Information

Prepared by



.....

Anaë Ressos
Environmental
Coordinator/Environmental
Management Representative -
Clyde
BEnv

Reviewed by



.....

Kelly Gee
Environmental Manager
(NSW/ACT)

Authorised by



.....

Rod Jones
Facilities Manager
Clyde/Greenacre

Address:

Veolia Australia and New Zealand
Corner Unwin and Shirley streets,
Rosehill, NSW 2142

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Executive Summary

This Annual Environmental Management Report (AEMR) is the 19th report prepared to detail the environmental performance of the Clyde Transfer Terminal (The Terminal), owned and operated by Veolia Australia and New Zealand (Veolia). This AEMR covers the period from the 15th January 2022 to 14th January 2023 (reporting period).

Veolia has prepared this AEMR in accordance with Consent Condition 58 and 59 of the Development Consent DA 205-08-01 (the Consent) and subsequent modifications, as well as relevant legislative requirements and industry best practices.

This AEMR provides a summary of environmental monitoring conducted at the Terminal and any non-compliances identified against the Consent during the reporting period, as well as the corrective actions, where implemented, to address such non-compliances.

An Independent Environmental Audit (IEA), undertaken in accordance with Condition 60 of the Consent, identified 3 non-compliances against the Conditions of the Consent (hereby referred to as Consent Conditions) during this reporting period which are as follows:

- Condition 50, did not include all the required content of the development consent.
- Condition 66, the Waste Management Plan (WMP) does not specifically include detail for asbestos identification and disposal.
- Condition 114, no specific training program for rail operators to minimise potential noise nuisance was observed.

1. Introduction

1.1 Site Background

The Terminal is located within a portion of the Clyde Rail Yard at 322 Parramatta Road and forms part of Lot 21 of DP10076683 in the Cumberland City Council area (Council). A site layout and location plan is provided in **Appendix A**.

The Terminal was granted ministerial approval in 2003 to operate under the Clyde Waste Transfer Terminal (Special Provisions) Act 2003 (assented 8 December 2003). The Consent was modified (29 April 2019) to permit the Terminal to receive up to 600,000 tonnes per annum (TPA) of mixed waste.

Clyde Waste Transfer Terminal commenced operations in 2004, accepting putrescible waste from the Sydney metropolitan area, which is containerised and loaded onto rail wagons for transportation in the Southern Tablelands (approximately 250 kilometres southwest of Sydney) for treatment, recycling and energy recovery.

1.2 Legislative Requirements

The key environmental legislation for the Terminal includes the *Environmental Planning and Assessment Act 1979* (EP&A Act) regulated by the DPE, and the *Protection of the Environment Operations Act 1997* (POEO Act) regulated by the NSW Environment Protection Authority (EPA), as well as their respective associated regulations.

Legislative instruments governing the environmental performance for the Terminal include the Consent, under the *Clyde Waste Transfer Terminal (Special Provisions) Act 2003* and an Environment Protection Licence (EPL) 11763 issued by the EPA, under the POEO Act. These permits regulate the operational activities conducted at the Terminal.

The table provided in **Appendix B** addresses the compliance against all Consent Conditions. Those relevant to the preparation of this AEMR are provided in **Table 1.1** below.

Table 1.1 Consent Conditions for the preparation of this AEMR

Relevant Condition	Requirement
GENERAL ENVIRONMENTAL MANAGEMENT	
<i>Environmental Monitoring Program</i>	
58	The Applicant shall include a report on the Environmental Monitoring Program in the Annual Environmental Management Report. The report must: <ul style="list-style-type: none"> (a) Summarise the results from the Environmental Monitoring Program over the previous year

	<ul style="list-style-type: none"> (b) Analyse the results in relation to both past performance, and the relevant standards and performance measures of the development (c) Identify any emerging trends in the data over the life of the development (d) Include a copy of the detailed monitoring results as an attachment.
Annual Environmental Management Report	
59	<p>Between twelve and fourteen months after the issue date of an environmental protection licence for the development; and annually thereafter for the duration of the development, the Applicant shall submit an Annual Environmental Management Report to the Secretary, the EPA and the Community Consultative Committee. The report shall be made available to the public on request to the Application. The report combined with the Annual Return required by the environment protection licence to be submitted to the EPA. The report must:</p> <ul style="list-style-type: none"> (a) Identify all the standards, performance measures, and statutory requirements the development is required to comply with (b) Review the environmental performance of the development to determine whether it is complying with the standards, performance measures and statutory requirements (c) Identify each occasion during the previous year when the standards, performance measures, or statutory requirements have not been complied with (d) where any non-conformance is identified, describe the actions or measures taken to ensure compliance, who is responsible for carrying out the actions, and when the actions were (or will be) implemented (e) include a summary of any complaints made about the development, and indicate the actions taken to address the complaints (f) include a report on the Environmental Monitoring Program as specified in this Consent.
Independent Environmental Audits	
60	<p>Every year following the date of this consent or at periods otherwise agreed to by the Planning Secretary, and until such time as agreed to by the Planning Secretary, the Applicant shall arrange for an independent audit of the environmental performance of the development. The audits shall:</p> <ul style="list-style-type: none"> (a) be conducted pursuant to ISO 14010 – Guidelines and General Principles for Environmental Auditing, ISO 14011 – Procedures for Environmental Monitoring and any specifications of the Planning Secretary; (b) be conducted by a suitably qualified independent person approved by the Planning Secretary; (c) assess compliance with the requirements of this consent; (d) assess the implementation of the EMP (Construction) and EMP (Operation) and review the effectiveness of the environmental management of the development; and (e) be carried out at the Applicants' expense. <p>The audits shall be submitted to the Planning Secretary.</p>

	The Applicant shall comply with all reasonable requirements of the Planning Secretary in respect of any measures arising from or recommended by the audits and within such time as agreed to by the Planning Secretary.
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1.3 Responsibilities

The Environmental Management Representative (EMR) for this reporting period was Anae Ressos (Environmental Coordinator) as per Consent Condition 55.

Environmental monitoring was undertaken by Anae Ressos (Environmental Coordinator) and Mary Wong (Environmental Officer).

The Odour Unit PTY LTD (TOU) was appointed to conduct biannual odour audits.

Hydrometric Consulting Services completed calibrations/servicing of the weather station.

Expert Judgement Pest Management Pty Ltd (Expert) was appointed for pest and vermin control throughout this reporting period and inspections are undertaken on a routine basis. In addition to this, there are routine inspections undertaken by the Terminal's operators, as part of general housekeeping and recorded on relevant Housekeeping and Inspection checklists.

Epic Environmental conducted an IEA in December 2022. The audit team associated with this IEA included Kirsty Douglas (Lead Auditor), Christopher Griffiths (auditing assistant) and Romin Nejad (auditing assistant) submitted and awaiting approval by the DPE in accordance with Consent Condition 60.

2. Environmental Monitoring and Management

2.1 Monitoring Requirements

The following sections detail the monitoring undertaken throughout the reporting period in accordance with the Environmental Monitoring Program proposed within the Operational Environmental Management Plan (OEMP).

The Environmental Monitoring Program provides details on all monitoring requirements of the Consent and other appropriate regulations to measure and assess the continuing suitability, adequacy and effectiveness of on-site environmental management measures.

Table 2.1 summarises the environmental monitoring program for the Terminal and a monitoring location plan is provided in **Appendix C**.

Table 2.1 - Summary of the environmental monitoring program for the Terminal

Consent Condition	Type of Monitoring	Frequency	Commentary
48 (f)	Odour Audits	Biannual	Condition satisfied, monitoring conducted on 8 June and 21 December 2022
49	Dust monitoring	Following receipt of dust complaint, as required	Not triggered
50	Traffic Monitoring	Monthly	Ongoing basis
60	Independent Environmental Audit	Annual	Condition satisfied, audit conducted in December 2022
91	Meteorological monitoring	Continuous (15 minute intervals)	Ongoing basis
117	Pest and Vermin Inspections	Quarterly	Ongoing basis

2.1.1 Meteorology

Veolia operates an automated onsite weather station (Campbell Scientific Model CR800) to continuously log meteorological data, in accordance with Consent Condition 91. This allows sampling and analysis of the parameters specified in **Table 2.2** below, along with standards and statutory requirements to collect and record this data.

Table 2.2 - Meteorological data parameters and performance measures

Parameter	Performance Measure	Standards	Statutory Requirement
Wind Speed	Data correlated with other environmental monitoring results for Terminal operations and complaint resolution	AM-2 & AM-4	Consent Condition 91
Wind Direction		AM-2 & AM-4	
Sigma Theta		AM-2 & AM-4	
Temperature		AM-4	
Rainfall		AM-4	
Solar Radiation		AM-4	
Evaporation		Penman-Monteith method	

Captured meteorological data provides a general understanding of the ambient air conditions at the Terminal, which in turn allows us to use this data within investigations of potential odour and dust complaints as well as other environmental incidents. Justification for the collection of specific meteorological data is provided below.

Wind Speed, Wind Direction and Sigma Theta

Wind speed, direction and sigma theta (which are used to calibrate turbulence) are logged at 15-minute intervals, the data from which is used to respond to odour and noise complaints, on receipt.

Temperature and Solar Radiation

In combination with wind speed, temperature and sunlight (solar radiation) play an important role in odour and dust emission modelling to predict airflow patterns and atmospheric stability. In the event that a complaint is received, these parameters would be used to conduct assessments to identify whether adverse air quality impacts can be attributed to operations at the Terminal.

Evaporation

Evaporation measures the extent of vaporisation of a liquid into gaseous phase. Water molecules are small and highly polar which can bind to many substances including odorous gases and dust particles. Therefore, evaporation can be used to conduct dispersion modelling in the event of an odour/or dust complaint.

Rainfall

Rainfall data is measured and recorded at 15-minute intervals at the Terminal to provide an understanding of rainfall patterns and to highlight significant rainfall events. Rainfall generally affects the emissions of dust and odours, as it is able to wash particulate matter and dissolves gaseous pollutants out of the atmosphere. Given this, rainfall data is utilised within responses to odour and/or dust complaints.

In addition, the intensity and duration of stormwater events at the Terminal can be used to assess the performance of the stormwater management system.

A summary of monthly rainfall and evaporation rates, as well as minimum and maximum monthly temperatures at the Terminal during this reporting period is presented below in **Figures 2.1** and **2.2** respectively.

Overall, the average rainfall for the Terminal during this reporting period was recorded at 137 mm per month.

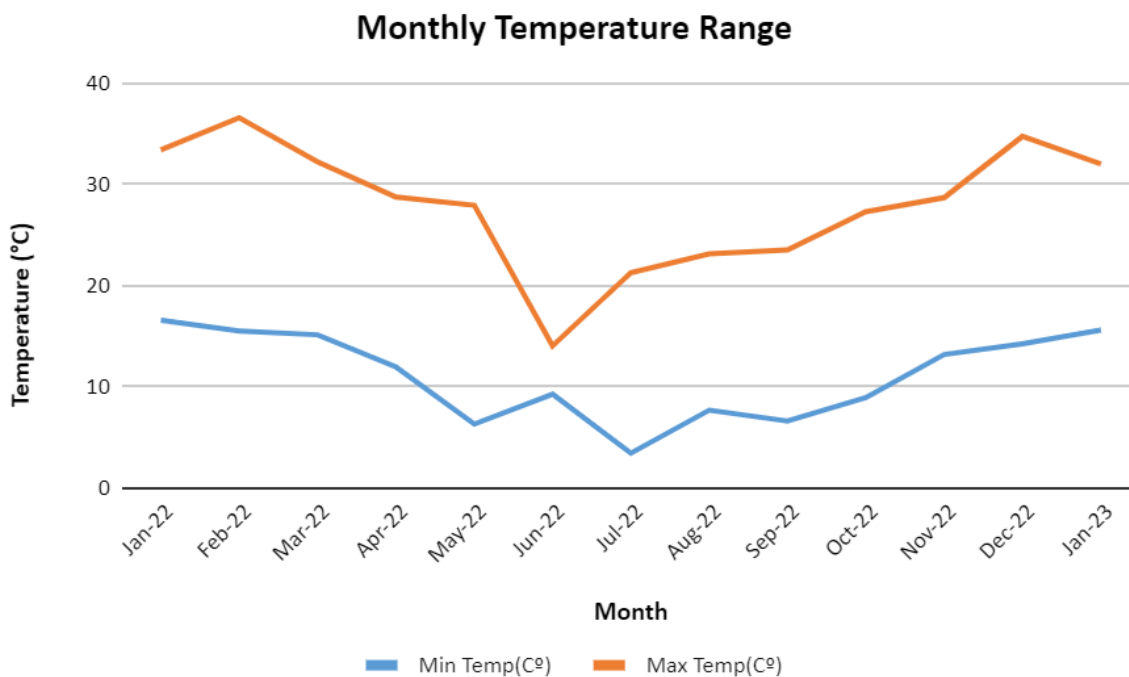


Figure 2.1 - Average Monthly Temperature rates at the Terminal

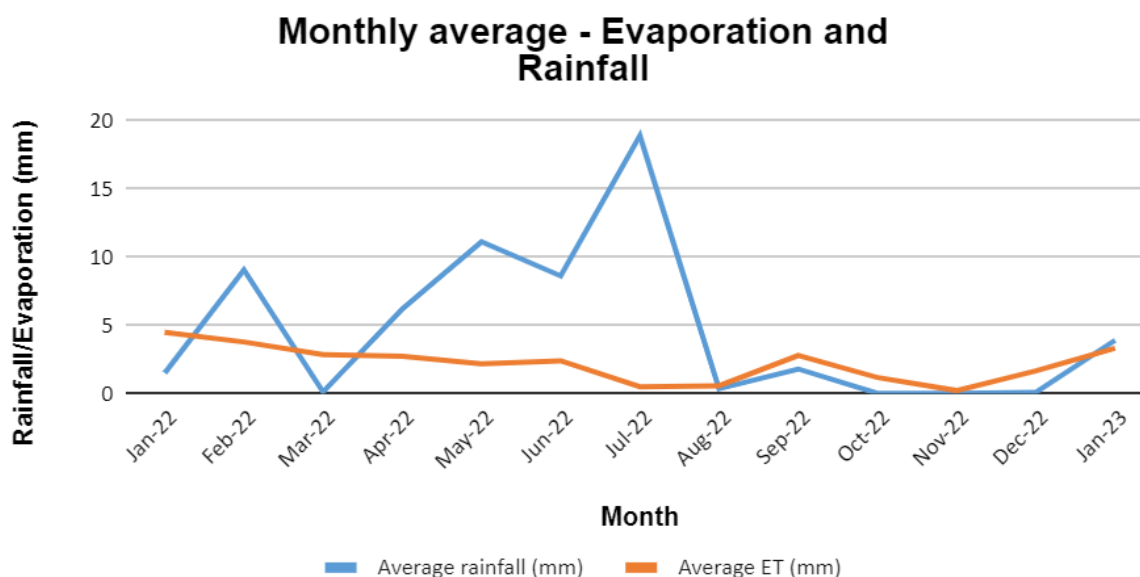


Figure 2.2 - Average Evaporation and Rainfall rates at the Terminal

Note: Some data in October, November and December is missing due to multiple issues affecting the meteorological station during this time period, including failures to the solar regulator, modem and data logger as a result of a suspected lightning strike.

During the reporting period, no non-compliances relating to the collection of meteorological data occurred.

Servicing and calibration of the meteorological station was carried out by Hydrometric Consulting Services (HCS). Calibration records for the months of April 2022, July 2022, October 2022 and January 2023 can be found in **Appendix D1**.

2.2 Air Quality

In accordance with the Consent, the Terminal has adopted performance criteria pertaining to dust and odour emissions, which are summarised in **Section 2.2.1** and **Section 2.2.2** respectively.

Air quality monitoring was carried out as required to determine whether activities conducted at the Terminal impacted ambient air quality. Further details regarding air quality monitoring and management practices undertaken at the Terminal are provided in the following sections.

2.2.1 Dust

To manage dust, Veolia utilises and maintains a dust suppression system in the waste shed. Further controls for areas within close proximity of the waste shed are regularly maintained with the use of the road sweeper and general housekeeping.

In accordance with Consent Condition 49, following the receipt of any dust related complaints, investigations would be undertaken to monitor or implement additional measures aimed to mitigate identified dust impacts on residential or commercial areas, associated with the operation of the Terminal. The NSW EPA (2007 and 2017) air quality parameters that would be measured to determine dust emissions, are provided in **Table 2.3**.

Table 2.3 - NSW EPA air quality impact Dust assessment criteria

Parameters	Performance Measure	Standards	Statutory Requirement
Total Suspended Particulates (TSP) - Annual Average	90µg/m ³	Approved Methods for the Sampling and Analysis of Air Pollutants in NSW	Consent Condition 49
Deposited Dust (DD) - Incremental	2 g/m ² /month		
Deposited Dust (DD) - Cumulative	4 g/m ² /month		

The EIS prediction expected some minor air quality impacts during operation (Maunsell McIntyre, 2001). The level of impact is minimised through effective site control measures so that residents and commercial industries surrounding the site are not impacted at a level likely to cause nuisance.

No dust complaints were received during this reporting period therefore monitoring requirements were not triggered.

2.2.2 Odour

The requirements of Consent Conditions 48(e) and 77 are to ensure site operations meet the EPA's odour goal of less than 2 odour units (OU) at the nearest sensitive receiver (Refer to **Table 2.4**).

Table 2.4 - Odour Emission Performance Criteria

Parameter	Performance Measure	Standards	Statutory Requirement
Odour Emissions	2 OU	German Standard VDI 3940 "Determination of Odorants in Ambient Air"	Consent Condition 48E

		by Field Inspections"	
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To achieve this goal, the Terminal operates an air extraction system within the Terminal's building, which was designed to both ventilate the building, and capture and disperse odour emissions from within the building. In addition, containers used for the transportation of waste are fitted with activated carbon filtration systems on the air exhaust vents.

In accordance with Consent Condition 48, the performance of odour control and ventilation equipment is assessed in biannual odour audits which were conducted by the Odour Unit PTY LTD. Records of the May and December 2022 odour audits are provided in **Appendix D2. Table 2.5** below provides a summary of the odour audit results.

The odour audits were conducted using the ranking scale stipulated within the German Standard VDI 3940 "Determination of Odorants in Ambient Air by Field Inspections". The standard ranking system is based on the following seven-point intensity scale, as follows:

VDI 3940	Intensity Scale
0	Not Detectable
1	Very Weak
2	Weak
3	Distinct
4	Strong
5	Very Strong
6	Extremely Strong

Table 2.5 - Summary of Odour Audit Results 2022

Assessment Location	Wind Direction	08/06/2022	Assessment Location	Wind Direction	21/12/2022
1 - Onsite (North-West)	NW	0	1 - Onsite (North-West)	ESE	0
2 - Onsite (South-East)	NW	0	2 - Onsite (South-East)	ESE	0
3 - Onsite (South-East)	NW	0	3 - Onsite (South-East)	ESE	0

4 - Offsite (Auburn Residential)	NW	0	4 - Offsite (Clyde/Auburn Residential)	E	0
5 - Offsite (Auburn Residential)	NW	0	5 - Offsite (Auburn Residential)	ESE	0
6 - Offsite (Auburn Residential)	NW	0	6 - Offsite (Auburn Residential)	SE	0

Odour audits undertaken on the 8th of June and 21st of December 2022, detected 0 odorants in the Field Ambient Odour-Assessments.

The results of the two odour audits indicate the Terminal complies with Consent Condition 48(e), which states that odour at the Terminal shall not exceed 20U at the nearest receiver.

The Terminal continues to meet the requirements of the *Technical framework: assessment and management of odour from stationary sources in NSW (DEC, November 2006)*. Veolia also maintains a thorough housekeeping regime, combined with odour management controls, which help to minimise the likelihood of odour impacts on surrounding neighbours/receivers.

No odour complaints were received during this reporting period.

2.3 Noise Monitoring

Table 2.6 lists the parameters, respective performance measures, standards and statutory requirements for background noise levels and vehicle emissions limits.

Table 2.6 - Noise Monitoring Requirements

Parameter	Performance Measure (dB(A))	Standards	Statutory Requirement
Day - LAeq (15 minute)	44,40,41	Noise Management	EPL Condition L3.1
Evening - LAeq (15 minute)	38,38,39		
Night - LAeq (15 minute)	39,38,39		
Night - LA1 (15 minute)	56,54,52		
Vehicle Emissions	89	Australian Design Rule (ADR) 28/01	Consent Condition 112

Noise monitoring was undertaken at the Terminal to ensure that waste vehicles entering the Terminal are not emitting nuisance noise emissions.

In the EIS, day and night time scenarios and sound power level designated for the plant equipment, calculated noise levels are predicted to comply with the EPA's intrusiveness and amenity criteria at the closest residential, commercial and industrial premises (Maunsel McIntyre, 2001).

There were no registered noise complaints from either industrial, commercial or residential neighbours throughout this reporting period.

2.3.1 Truck Noise Monitoring

The truck noise monitoring was undertaken on the 4th of October 2022 in accordance with Consent Condition 112 for this reporting period. Noise levels of 69 truck movements out of a daily total of 255 truck movements were measured, equivalent to 27% of truck movements. A summary of the results is illustrated in **Figure 2.3**. Further details regarding truck movements at the site are discussed in **Section 2.4.1**.

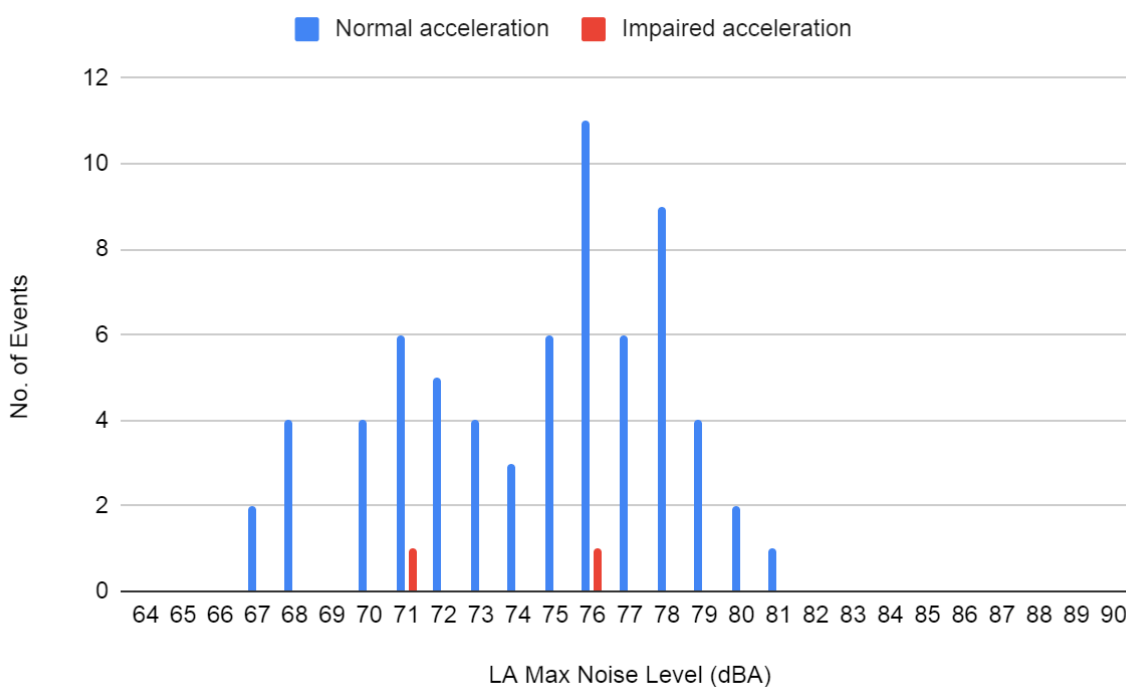


Figure 2.3 -Noise level distribution from Truck Noise Monitoring – 4 October 2022

All trucks monitoring were between 67.2dBA to 81.8dBA, and fell within or below the thresholds of 81dBA to 87dBA for Heavy Goods Vehicles with a GVM > 12 tonne in accordance with the Australian Design Rules (ADR) 28/01.

There were no registered noise complaints from either industrial, commercial or residential neighbours throughout this reporting period.

2.4 Traffic Monitoring

2.4.1 Traffic Movements

Vehicle movements at the Terminal during this reporting period totalled at 83,176 as summarised in **Table 2.7** below.

Table 2.7- Traffic movements per month for 2022/2022 & 2022/2023 reporting periods

Monitoring Period	2021/2022 Truck Movement	2022/2023 Truck Movement
15 to 31 January	6,618	3,475
February	6,471	6,154
March	7,117	5,598
April	6,800	7,441
May	6,622	7,902
June	6,502	7,186
July	6,388	7,152
August	5,958	7,504
September	5,915	6,739
October	5,944	7,006
November	6,339	6,768
December	7,358	7,165
1 to 14 January	2,995	3,086
TOTAL	81,027	83,176

In the EIS, it was predicted that there would be minimal disruption from existing traffic within the site and Parramatta Road (Maunsel McIntyre, 2001).

No noise, odour and traffic complaints were received during this reporting period which demonstrates that the movements of trucks at the Terminal did not contribute to any significant noise/odour/ traffic impacts to the surrounding environment.

2.4.2 Traffic Infringements

Veolia continues to implement mitigation measures including ongoing spot monitoring of vehicle movements as described in the TMP.

2.5 Waste Monitoring

The Waste Management Plan (WMP), which forms part of the OEMP, was prepared for the Terminal in accordance with Consent Condition 47, and 62–69, and details the procedures for the acceptance and management of waste at the Terminal.

All waste received at the Terminal is recorded and maintained in the Systems, Applications and Products in Data Processing (SAP) software. The program records vehicle registration, date and time of entry and exit, the gross and tare weight of the vehicle, as well as the nature and origin of waste received by each contractor.

Procedures are in place to reject or separate non-conforming waste upon arrival at the site. These procedures include visual assessments of incoming wastes by weighbridge operators assisted by closed circuit television (CCTV), as well as inspecting the waste as it is unloaded onto the tip floor. No records of non-conforming waste were reported during this reporting period.

Furthermore, data is recorded and tracked for the containers and includes container status, container weight comparisons and carbon filter replacement. This information is maintained daily by Terminal personnel.

2.5.1 Waste Volume Monitoring

The amount of waste accepted at the Terminal in the 2022 calendar year totalled 457,332 tonnes as summarised in **Table 2.8** below.

Table 2.8 - Summary tonnage per month during 2021 and 2022

Monitoring Period	Incoming Waste Volumes 2021 (tonnes)	Incoming Waste Volumes 2022 (tonnes)
January	36,875	37,918
February	36,888	35,167
March	41,004	33,118
April	38,024	41,917
May	35,995	43,195
June	34,617	36,242
July	33,431	37,697

August	30,718	38,455
September	31,128	36,602
October	32,422	40,424
November	35,106	37,489
December	42,584	39,108
TOTAL	428,792	457,332

Table 2.8 indicates that during the 2022 calendar year there was an increase in waste by 28,540 tonnes compared to the 2021 calendar year. This demonstrates the Terminal operated within the annual waste limit as stipulated within Consent Condition 10.

2.6 Pests and Vermin

Pests and vermin management is undertaken at the Terminal to ensure that the control measures implemented to minimise the potential for birds, rodents, flies and other pests, remain effective. The primary means of controlling pest and vermin activity is through good housekeeping measures, daily inspections, and quarterly pest control services. **Table 2.9** below identifies the housekeeping undertaken at the Terminal to manage pests and vermin.

Table 2.9 - Pest and Vermin Management

Parameter	Performance Measure	Standard	Statutory Requirement
Litter and Odour Control	Visual Inspection and housekeeping	Veolia Business Management System	Vermin and Pest Control Plan- Consent Conditions 51, 115-117
Vermin Habitat			

Pest control was undertaken by Expert throughout this reporting period. In addition, inspections are undertaken on a routine basis by the Terminal's operators, as part of general housekeeping and recorded on relevant housekeeping and inspection checklists.

The checklists provide a record of the visual monitoring undertaken at the Terminal and provide opportunity to identify where additional corrective actions may need to be applied.

During the quarterly pest and vermin control services this reporting period, the external contractor inspected and treated all internal, external areas of the waste shed and site facilities for cockroaches, ants, spiders and rodents. These areas were treated with Roban rodent bait and Cislin 25 spray respectively. The reports can be found in **Appendix D4**.

During the 2022 IEA, the auditors found that Veolia has taken all suitable measures to minimise the attraction and infestation of vermin and pests on site.

2.7 Community Consultation

Under Condition 134 the Terminal is required to establish and maintain a Community Consultative Committee (CCC). This is to ensure the Committee may make comments and recommendations about the Terminal's development, management and environmental plans. Veolia continues to send interested stakeholders biannual Clyde community newsletter which details any site updates.

3. Environmental Performance

The environmental performance of the Terminal is assessed through the results of environmental monitoring, internal inspections, as well as external environmental audits.

An IEA of the Terminal's environmental performance was undertaken on 13 December 2022 by Epic Environmental. The objective of this IEA was to assess the environmental performance of the Terminal and identify any non-compliances against environmental approval issued to the Terminal, as required by Condition 6 of the Consent. The status of each condition of the consent can be found in the Development of Consent table provided in **Appendix B**.

A discussion of the non-compliances identified by the IEA, as well as the corrective actions, where implemented, is provided within this section. A comparison is also made to the non-compliances/regulatory actions and corrective actions implemented in the previous reporting period to present the changes to the environmental performance of the Terminal.

3.1 Previous Non-Compliances

Two non-compliances were identified during the 2021 reporting period and the status of corrective actions to resolve/manage the non-compliances are detailed in **Table 3.1** below.

Table 3.1 - Non-compliances and observations against the Consent in the 2021 reporting period

Consent Condition	Non-compliance/ Observations	Corrective Action and Evidence	Status and Date Completed	Person/Team Responsible
Condition 50	<p>The TMP was reviewed and largely addressed the consent condition, with the exception of Veolia not having:</p> <p>b) A monitoring and recording program to identify and record any waste vehicle and its driver that breaches the "left turn only" restriction upon entering or leaving the premises via Parramatta Road. The TMP only provides for sporadic spot checks of trucks entering or leaving the CTT. The auditor understands a continuous monitoring for non-complying trucks would be impossible for Veolia, as the</p>	<p>Prepare and lodge a modification that removes the 'left turn only' restriction.</p> <p>If modification is denied, Veolia seeks to modify conditions 50b) and 50e) requiring continuous monitoring and enforcing punitive measures. Veolia has requested alternative monitoring frequency: monitoring for 4 hours every 3 months, and proposed implementation of proactive corrective measures and</p>	<p>Open, evidence of substantial progress was observed.</p> <p>Veolia submitted a request to the Planning Secretary (DPE), dated 14/3/2022, for modification to consent conditions, requesting that condition 50 be amended. DPE have indicated that Veolia will be required to submit an EIS to support the application. Therefore, this recommendation is yet to be closed out.</p>	Facility Manager - NSW Resource Recovery

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	<p>weighbridge does not have a proper line of site to the intersection with Parramatta Road and the 'legal' right turn from Parramatta Road is utilised by trucks that are associated with the neighbouring industrial tenancies.</p> <p>e) An enforcement program including the imposition of identified punitive measures against any driver or vehicle owner whenever the above restrictions are breached. The auditor understands punitive measures would be difficult for a commercial business to enforce. Veolia stated at the time of the IEA that they prefer to re-train offending parties</p>	re-training of offending drivers instead of enforcement of punitive measures.		
Condition 114	<p>The condition requires Veolia to implement an induction program with Pacific National (rail operator) for all train drivers and other rail staff. This program should emphasise noise mitigation measures through "Good Neighbour" rail techniques and shall form an integral part of the operational noise management plan. During the IEA, a training program developed alongside Pacific National was not observed. The NMP did not include specifications for such a training program. It is understood Pacific National has internal training processes for "Good Neighbour" rail techniques that may be sufficient to address this condition, however it was</p>	<p>Prepare and lodge a modification that replaces the requirement for Veolia to undertake training with rail operators and change this to a requirement for Veolia to verify the existing training programs provided by the rail operators to minimise the risk of nuisance being caused to neighbouring properties.</p>	<p>Open, evidence of substantial progress was observed.</p> <p>Veolia submitted a request to the Planning Secretary (DPE), dated 14/3/2022, for modification to consent conditions, requesting that condition 114 be amended. DPE have indicated that Veolia will be required to submit an EIS to support the application. Therefore, this recommendation is yet to be closed out.</p>	<p>Environmental Compliance Advisor (NSW/ACT)</p> <p>Facility Manager - NSW Resource Recovery</p>

	beyond the scope of this IEA to verify that this is the case.			
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3.2 Current Non-Compliances

Three non-compliances were identified during the 2022 reporting period and are detailed in **Table 3.2** below, the status of corrective actions to resolve/manage the non-compliance is also provided.

Table 3.2 Non-compliances against the Consent in the 2022 reporting period

Consent Condition	Non-compliance Recommendation	Corrective Action and Evidence	Status	Person/Team Responsible
Condition 50	<p>Complete the action from the 2021 IEA:</p> <p>Prepare and lodge a modification to the development consent that removes the requirement for Veolia to enforce punitive measures to non-conforming customers. As part of the modification Veolia should propose a revised condition that requires Veolia to provide further training with offending drivers.</p> <p>Note: This condition was identified as a NC in the 2021 IEA with an action to request that this condition be amended. Veolia submitted a request for modification to consent conditions (14/3/2022) requesting that the condition be changed. The decision to amend the condition is yet to be approved by DPE, therefore the NC is to remain open and the status to be confirmed during the 2023 IEA.</p>	Veolia has submitted a Modification Application to DPE and is awaiting approval.	Open. Awaiting DPE's response.	Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
Condition 66	Review and update the Waste Management Plan to include detail for training provided to staff for the identification of asbestos in waste.	Veolia will update the WMP accordingly	Open, in progress.	Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
Condition 114	<p>Complete the action from the 2021 IEA:</p> <p>Prepare and lodge a modification to the development consent that</p>	Veolia has submitted a Modification Application to DPE and is awaiting	Open. Awaiting DPE's response.	Environmental Coordinator / Environmental Management Representative -

	<p>replaces the requirement for Veolia to undertake training with rail operators and change this to a requirement for Veolia to verify the existing training programs provided by the rail operators are suitable to minimise the risk of nuisance being caused to neighbouring properties.</p> <p>Note: This condition was identified as a NC in the 2021 IEA with an action to request that this condition be amended. Veolia submitted a request for modification to consent conditions (14/3/2022) requesting that the condition be changed. The decision to amend the condition is yet to be approved by DPE, therefore the NC is to remain open and the status to be confirmed during the 2023 IEA.</p>	approval.		NSW Resource Recovery
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3.3 Previous Opportunities for Improvement

A total of eleven opportunities for improvement were identified during the 2021 IEA. The opportunities for improvement are detailed in **Table 3.3** below.

Table 3.3 Recommendations for Opportunities for Improvements for the 2021 reporting period

Consent Condition	Recommendation	Proposed Actions	Status	Person/Team Responsible
Condition 54	Provide a copy of the Noise Management Plan to Pacific National and Cumberland Council for review and comment.	A copy of the Noise Management Plan was provided to Pacific National and Cumberland Council.	Completed.	Facility Manager - NSW Resource Recovery Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
Condition 63	Prepare and lodge a modification to the development consent that adjusts the condition to contemporary guideline references.	Lodge a modification to adjust the condition to contemporary guideline references.	Open, evidence of substantial progress was observed. Awaiting approval from DPE for the modification.	Facility Manager - NSW Resource Recovery Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery

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Condition 87	Prepare and lodge a modification to the development consent that removes the requirement for monitoring of the forced ventilation system in accordance with the EPL. As EPL 11763 does not require monitoring of the forced ventilation system, condition 87 should be updated to remove any ambiguity.	Lodge a modification to remove the development consent that removes the requirement for monitoring the forced ventilation system, as EPL does not require monitoring of the forced ventilation system.	Open, evidence of substantial progress was observed. Awaiting approval from DPE for the modification.	Environmental Management Representative - NSW Resource Recovery
Condition 113	Implement the online driver induction process across the CTT customer base.	During the reporting period an electronic induction system was commenced to manage COVID-19 restrictions. The electronic induction system was implemented across the CTT customer base.	Completed. The online driver induction has been implemented and was sighted during the audit interviews.	Facility Manager - NSW Resource Recovery
Condition 136	Prepare and lodge a modification to the development consent that removes the requirement for Veolia to establish and maintain a trust fund for a Community Consultative Committee.	Lodge a modification to remove the requirement for Veolia to establish and maintain a trust fund for Community Consultative Committee	Open, evidence of substantial progress was observed. Awaiting approval from DPE for the modification.	Facility Manager - NSW Resource Recovery Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
OEMP s4.2.2.1	Update the OEMP to have a 2-yearly retraining program for any site-specific environmental training. Remove the requirement to have site-specific training reassessed twice in the first year.	WMP has been updated accordingly.	Completed.	Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
WMP s4.3	Remove the commitment to identify waste material that is odorous or dusty and prioritise such waste for compaction.	WMP has been updated accordingly.	Completed.	Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
WMP s4.4.1	Remove the commitment for the weighbridge attendant to have	WMP has been updated	Completed.	Environmental Coordinator /

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	printed material available for provision to drivers.	accordingly.		Environmental Management Representative - NSW Resource Recovery
WMP s4.4.1.1	Update the section of the WMP to reflect the actual process for measures taken in the event of breaches of waste acceptance criteria, including notifying offending companies.	WMP has been updated accordingly.	Completed.	Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
NMP s4.2.3	Remove the requirement for Veolia to have any responsibility for assets that are under the operational control of other organisations.	NMP has been updated accordingly.	Completed.	Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
EMP s2	Update the EMP to include the surface water monitoring program implemented at the CTT.	EMP has been updated to include stormwater monitoring.	Completed.	Environmental Officer - NSW Resource Recovery

3.4 Opportunities for Improvement

A total of six opportunities for improvement were identified during the 2022 IEA. The opportunities for improvement are detailed in **Table 3.4** below.

Table 3.4 Recommendations for Opportunities for Improvements for the 2022 reporting period

Consent Condition	Recommendation	Proposed Actions	Status	Person/Team Responsible
Condition 45	Finalise the training matrix and develop a centralised location within the Veolia document control system for the storage and maintenance for training records of all personnel	Training matrix to be developed accordingly.	Open - to be completed in the next reporting period	Facility Manager - NSW Resource Recovery
Condition 56	Review and update the Environmental Monitoring Program (MAN-14012) to include detail describing: How monitoring will be recorded and reported to the Director-General and other relevant authorities Actions to be taken and procedures to be followed if any non-compliance is detected Alternatively - replicate Table 5.4 from the OEMP into the EMP.	EMP to be updated accordingly.	Open - to be completed in the next reporting period	Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
Condition 102	Review and update the Stormwater Management Plan (MAN-14636-1) to include detail of new infrastructure and its purpose/function (i.e. the installation of the automatic gate and float).	SMP to be updated accordingly.	Open - to be completed in the next reporting period	Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
Condition 134	Prepare and lodge a modification to the development consent that removes the requirement for Veolia to maintain a Community Consultative Committee.	Veolia will seek to have this condition amended by submitting an EPL variation application.	Open - to be completed in the next reporting period	Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
Condition 135	Prepare and lodge a modification to the development consent to remove this condition. The Community Consultative Committee was unsuccessful; therefore, the requirements of this condition are not relevant.	Veolia will seek to have this condition updated/removed by submitting an EPL variation application.	Open - to be completed in the next reporting period	Environmental Coordinator / Environmental Management Representative - NSW Resource Recovery
OEMP s4.2.2.1	OEMP: Prepare a standardised training package for all site personnel that specifically addresses:	Veolia will prepare a standardised training package accordingly.	Open - to be completed in the next reporting period	Environmental Coordinator / Environmental Management

	<p>OEMP and related documents Site environmental objectives and targets</p> <p>Understanding individual authorities and responsibilities Significant project aspects, impacts and controls</p> <p>Potential consequences of departure from procedures Emergency procedure and response</p> <p>Understanding the legal obligations</p>		period	Representative - NSW Resource Recovery
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3.5 Complaints

The Veolia company website contains a general enquiries line whereby a complaint can be lodged and directed to the relevant facility. These contact details are also provided on-site via signage erected at the entrance of the Terminal.

Complaints (either written or verbal) are documented to record the following:

- Nature and extent of the complaint;
- Method by which the complaint was made;
- Name and address of the person lodging the complaint (the complainant);
- Details of all related factors including location, dates, frequency, duration, site conditions and effects of the complaint; and
- Action taken to address the complaint including follow up contact with the complainant.

No complaints were received during this reporting period.

Details of nominated personnel relevant to the complaints handling process for the Terminal are provided in **Table 3.5** below.

Table 3.5 - Details of the Terminal's nominated personnel

Contacts Name	Position
Steve Lawrence	Sydney Facilities Operations Manager
Rod Jones	Clyde Facility Manager
Anae Ressos	Environmental Coordinator / Environmental Management Representative

Nicole Boukarim	Environmental Compliance Advisor (NSW/ACT)
Sioi Matele	Site Leading Hand

3.6 Conclusion

A performance review of the Terminal between 2022 - 2023 reporting period and the outcome of the IEA indicates that Veolia achieved 99% compliance against the conditions for the 2022 IEA. A total of three conditions were identified to be non-compliant. Veolia was found to be 100% compliant with the conditions of the EPL OEMP and associated sub-plans and will continue to maintain that level.

Veolia will address and implement the IEA audit recommendations to improve its environmental compliance performance against the Consent.

Overall, the Terminal operations are satisfying the requirements of the Consent and EPL.

Terms and Definitions

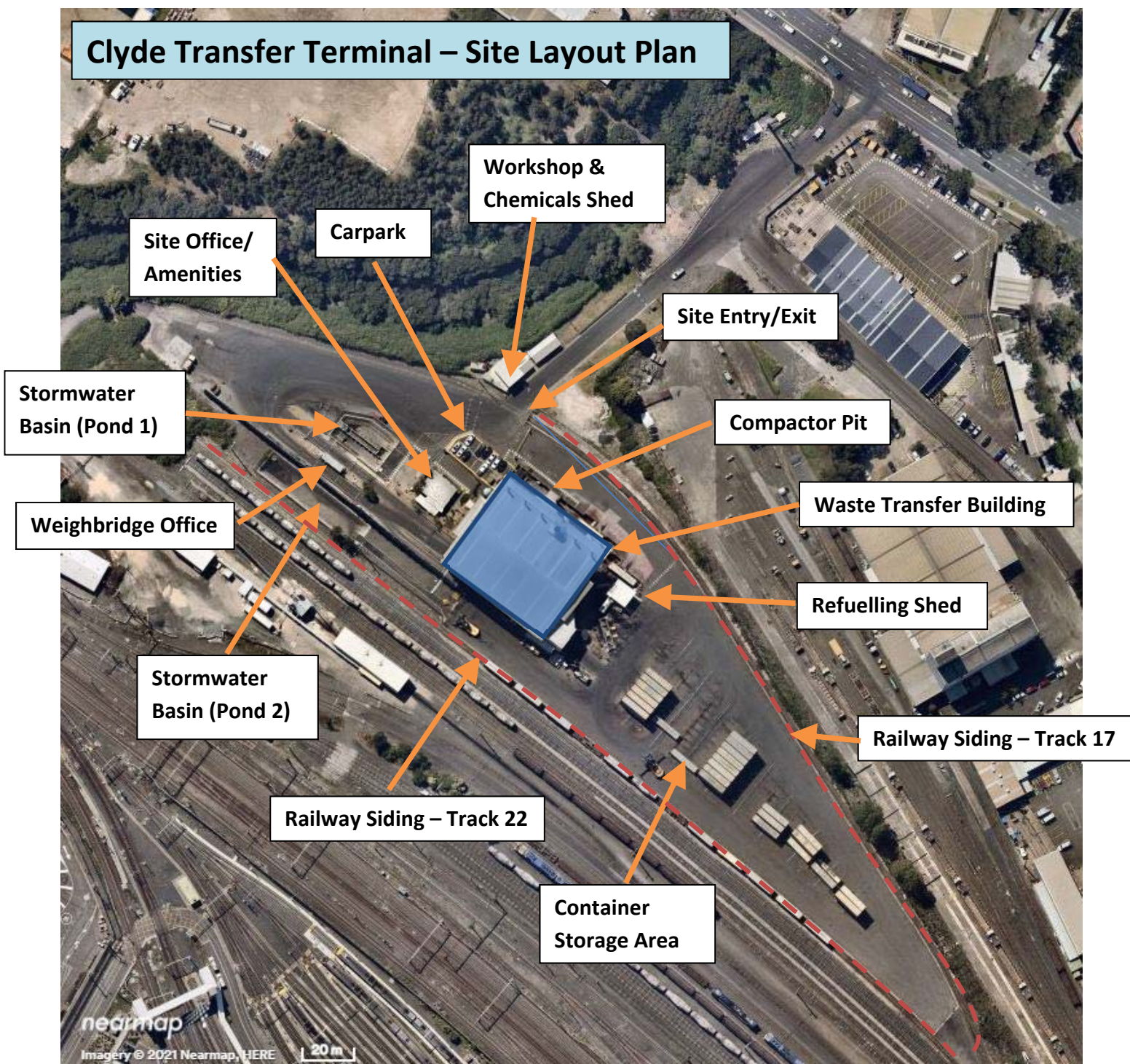
Term	Definition
AEMR	Annual Environmental Management Report
Consent	Development Consent DA 205-08-01 (and subsequent modifications)
DPE	Department of Planning and Environment
EMR	Environmental Management Representative
EPA	NSW Environment Protection Authority
EPL	Environment Protection Licence
IEA	Independent Environmental Audit
OEMP	Operational Environmental Management Plan
Rivo Safeguard	Veolia's online system for reporting and managing incidents, recording audits and regulator enforcement information
SHEQ	Safety Health Environment Quality
TOU	The Odour Unit PTY LTD
The Terminal	Clyde Transfer Terminal
TPA	Tonnes per annum
TMP	Traffic Management Plan
Veolia	Veolia Australia and New Zealand
WMP	Waste Management Plan

Reference Documents

Document Name
DEC (2006). <i>Technical framework: assessment and management of odour from stationary sources in NSW</i> , Department of Environment and Conservation. November 2006
NSW EPA (2014). <i>NSW Waste Classification Guidelines</i> , NSW Environmental Protection Agency. January 1996.
NSW EPA (2007). <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> . January 2007
NSW EPA (2017). <i>Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales</i> . January 2017.
NSW EPA (2000). <i>NSW Industrial Noise Policy (2000)</i> , NSW Environmental Protection Agency. January 2000.
Maunsell McIntyre (2001). <i>Clyde Transfer Terminal Environmental Impact Statement</i> , Maunsell McIntyre Pty Ltd. August 2001
Epic Environmental (2022). <i>2022 Independent Environmental Audit Report - Clyde Waste Transfer Terminal</i> . March 2023
Veolia (2022). <i>Clyde Transfer Terminal Annual Environmental Monitoring Report 2021-2022</i> . Veolia. March 2022.

Appendix A - Site Location Plan

Clyde Transfer Terminal – Site Layout Plan



Appendix B - Conditions of Development Consent Compliance Table



CONFIDENTIAL

**Veolia Australia & New Zealand
Clyde Transfer Terminal –
2022 Independent Environmental Audit – Audit Table**

IEA Date: 13-Dec-22

Auditor: Kirsty Douglas

A handwritten signature in black ink, appearing to read 'K. Douglas', is written over a horizontal line.

9/03/2023

Date

(Name)

(Sign)

Key for Compliance Assessment

Audit Rating	Rating	Definition
Compliant	C	The auditor has collected sufficient verifiable evidence to demonstrate that all elements of the condition or OEMP requirement have been complied/conformed with within the scope of the audit.
Non compliant	NC	The auditor has determined that one or more specific elements of the conditions or OEMP requirements have not been complied/conformed with within the scope of the audit.
Not Triggered	NT	A condition or requirement has an activation or timing trigger that has not been met during the temporal scope of the audit being undertaken (may be a retrospective or future requirement), therefore an assessment of compliance/conformance is not relevant.

Clyde Transfer Terminal 2022 Independent Environmental Audit Determination of a Development Application for State Significant, Development Consent (205-08-01)					
Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
General Conditions					
1	Development shall be carried out in accordance with: (a) DA No. 205-08-01; (b) the EIS prepared for the “Clyde Transfer Terminal” by Maunsell McIntyre Pty Ltd, dated 14 August 2001; (c) the Supplementary EIS prepared for the “Clyde Transfer Terminal” by Maunsell McIntyre Pty Ltd, dated 18 December 2001; (d) all additional information supplied by the Applicant or the Applicant’s consultants or subconsultants to the Department or integrated approval bodies pertaining to the development, including: ·Noise Mitigation Details provided to the EPA by Vipac Engineers & Scientists Ltd by facsimile dated 15 February 2002; ·Stormwater Outlet Design, dated 18 February 2002, provided to the Department by Maunsell Australia Pty Ltd; ·Information on traffic, odour and noise, dated 9 April 2002, provided to the independent assessor Mr John Court by Maunsell Australia Pty Ltd; ·Information on the construction EMP, stormwater drainage, site contamination, landscaping and rehabilitation of Duck River, and the property boundary, dated 10 April 2002, provided to Waterways Authority by Maunsell Australia Pty Ltd; ·Information on odour management, Duck River cycleway, and traffic management, dated 10 April 2002, provided to the independent assessor Mr John Court by Maunsell Australia Pty Ltd; ·Information on the property boundary, dated 17 April 2002, provided to Waterways Authority by Maunsell Australia Pty Ltd; ·Information on modifications to pipeline, pipe outlet, scour protection works, detention basin, weighbridge and noise barrier, dated 19 April 2002, provided to Waterways Authority by Maunsell Australia Pty Ltd; ·Information on a proposed community consultative committee and possible community enhancement projects, dated 4 June 2002, provided to the Department by the Applicant; ·Information on Parramatta Road plans and odour control procedure, dated 12 June 2002, provided to the Department by Maunsell Australia Pty Ltd; ·Information on odour management, dated 4 July 2002, provided to the Department by the Applicant (e) Modification application MOD-133-11-2006, accompanied by Statement of Environmental Effects Modification to the Terminal Building Forced Ventilation Sydney Clyde Waste Transfer Station, prepared by Environ and dated October 2006, the Odour Mitigation Study Clyde Waste Transfer Terminal Addendum to Final Report, prepared by the Odour Unit and dated July 2006, and Veolia Environmental Services’ letter (and attachments) to the Department of Planning dated 15 February 2007, (f) modification application DA-205-08-01-MOD-2 and; (g) modification application DA-205-08-01-MOD-3 and accompanying letter dated 14 December 2009 (h) modification application DA-05-08-01-MOD-4 and accompanying Environmental Assessment letter prepared by Veolia Environmental Services (Australia) Pty Ltd and dated 20 January 2014. (i) modification application DA-05-08-01-MOD-5 and accompanying Environmental Assessment prepared by SG Haddad Advisory and CW Strategic Planning Services and dated 30 March 2017, except as modified by the following conditions	C	1. The findings of this IEA	The auditor did not identify any major issues that would indicate non-compliance with this condition.	
2	In the event of any inconsistency between; (a) the conditions of this consent and any document listed from condition 1(a) to 1(g) inclusive, the conditions of this consent shall prevail to the extent of the inconsistency; and (b) any document listed from condition 1(a) to 1(g)inclusive, the most recent document shall prevail to the extent of the inconsistency	NT	N/A	This is a note only not auditable	
2A	The Proponent shall comply with any reasonable requirements of the Planning Secretary arising from the Department’s assessment of; (a) any reports, plans, programs, strategies or correspondence that are submitted in accordance with the conditions of this approval; and (b) the implementation of any actions or measures contained in these reports, plans, programs, strategies or correspondence.	C	1. Operational Environmental Management Plan (MAN-14631-1) Rev 0.3, July 2021	OEMP dated 30/7/2021 includes detail for the revision number and submission to DPE. The OEMP and subplans are published on the Veolia CTT website.	
2B	The Proponent shall prepare revisions of any strategies, plans or programs required under this approval if directed to do so by the Planning Secretary. Such revisions shall be prepared to the satisfaction of, and within a timeframe approved by, the Planning Secretary	C	1. DPE letter confirming compliance dated 7/2/2022	Evidence of updated OEMP and sub-plans being provided to the DPE was observed during the IEA.	
Compliance					
3	It shall be the ultimate responsibility of the Applicant to ensure compliance with these conditions	C	The findings of this IEA	There were no major issues identified during the audit that would indicate non-compliance with this condition.	
4	The conditions do not relieve the Applicant of the obligation to obtain all other approvals and licenses from all relevant authorities required under any other Act.	NT	N/A	This is a note only not auditable	
5	The Applicant shall comply or ensure compliance with all the requirements of the Director-General in respect of the implementation of any measures arising from these Conditions.	C	1. The findings of this IEA	There were no major issues identified during the audit that would indicate non-compliance with this condition.	
6	The Applicant must bring to the attention of the Director-General any matter that may require further investigation, or the issuing of instructions from the Director-General, to enable compliance with these Conditions. The Applicant shall comply or ensure compliance with any instruction issued by the Director-General to enable compliance with these Conditions.	NT	N/A	Site personnel confirmed that this requirement was not triggered during the audit period.	
7	Where the results of any monitoring demonstrate an exceedance of a limit in this consent, the Applicant shall provide, within 30 days of the monitoring, the monitoring results to the Director-General and Auburn Council stating: (a) The reason for the exceedance; (b) Action taken to ensure the limit is not exceeded in the future; (c) Proposed action to ensure the limit is not exceeded in the future; (d) Timetable for implementing the proposed action in (c); and (e) Results of additional monitoring which has been conducted within 7 days of the action taken in (b) and (c) above, to demonstrate compliance with the limit.	C	1. Annual Environmental Management Report Clyde Transfer Terminal 2021-2022 (AEMR) 2. Odour Audit XXXIX Final Report, June 2022 3. Truck Monitoring Report 16 (November 2021) 4. 2022 Noise monitoring raw data	A review of the 2022 AEMR identified that there were no exceedances for air quality or noise monitoring during the audit period. The internal reporting system (RIVO) was reviewed and confirmed that no exceedances had been recorded for the audit period. It was confirmed during audit interviews that the raw data/reports are reviewed internally to confirm whether there have been any exceedances triggering the requirement for reporting. Veolia representatives demonstrated sound knowledge of reporting requirements.	

<p style="text-align: center;">Clyde Transfer Terminal 2022 Independent Environmental Audit Determination of a Development Application for State Significant, Development Consent (205-08-01)</p>					
Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
Waste Volumes					
8	No waste shall be received at the development except waste to be transported by rail from Clyde to the Crisps Creek Intermodal Facility for disposal or treatment at Woodlawn.	C	1. Waste Records 2021 2. PWS Report 3. CTT Train data records	It was confirmed during the audit that all waste received onsite is transported to Woodlawn with the exception of: '- Leachate temporarily collected by Enviro Waste Management Group Yennora NSW, EPA licence #20444 (receipts sighted during the audit interviews). Woodlawn has reached capacity and is in the process of constructing additional storage capacity. - Steel is temporarily stored in a skip bin - collected by Infrabuild Recycling (formerly Onesteel) Chipping Norton NSW, EPA Licence #872 once bin is full - Gas cylinders are temporarily stored in a clean empty ICB - collected by East Coast Re-valves once ICB is full Details for incoming and outgoing waste sighted on internal document control system.	
9	Condition was deleted - Mod 4	NT	N/A	Condition deleted (MOD4)	
10	The Proponent must ensure that no more than 600,000 tonnes per annum of waste is received at the development in any calendar year.	C	1. Annual Environmental Management Report - Clyde Transfer Terminal 2021- 2022 2. Waste records	1. Section 2.5 of the AEMR includes detail for waste volume monitoring. Table 2.8 includes a summary of tonnage per month during 2020 (438,258t) and 2021 (428,792t). The total tonnage for both years did not exceed 600,000 tonnes. Tonnage details for 2022 to date were also sighted electronically confirming compliance with the requirements of this condition.	
10A	The Proponent must ensure that no more than 500 tonnes of waste is present on the terminal floor at any one time, except under the limited circumstances detailed in the Operational Contingency Management Plan for the development, required by condition 54A and approved by the Development Secretary.	C	1. Site inspection	There is electronic signage in the terminal shed that identifies tonnage and clearance areas for each compactor. Observations during the site inspection confirmed that the quantity of waste on the terminal floor was well below 600,00 t. Site personnel interviewed stated the terminal building was cleared of waste at the end of each day. Observations during the site inspection also confirmed that the floor was being cleared throughout the day with waste being pushed into the compactors for transfer into shipping containers.	
Fit and Proper Person					
11	The applicant must, in the opinion of the EPA, be a fit and proper person to hold a licence under the Protection of the Environment Operations Act 1997, having regard to the matters in s.83 of that Act.	C	1. Environment Protection Licence (EPL)	Site personnel interviewed confirmed that no regulatory action has been taken in last 12 months.	
Obligation to Prevent and Minimise Harm to the Environment					
12	The Applicant is to take all practicable measures to prevent and minimise harm to the environment as a result of the Development.	C	1. Inspection forms completed and online system (RIVO).	Weekly and monthly site inspection forms were sighted during the audit confirming sufficient checks for actual/potential environmental harm have been implemented. Interviews with site personnel also confirmed that pro-active ad hoc site inspections are also undertaken to ensure compliance is being achieved. The number of additional inspections/audits depends on the sites risk, whether the Department has requested a site inspection, if potential issues /incidents have been identified on site etc.	
13	If at any time the Director-General is made aware of the occurrence of any impact from the project that poses serious environmental or amenity concerns, and is due to the failure of measures required by these Conditions or those measures identified in the documentation referred to in Condition 1 to ameliorate the impact, the Director-General may request the Applicant to cease the activities causing the impact.	C	1. Observed the incident management system	Site personnel navigated though the RIVO system to demonstrate how an incident is captured, managed investigated and closed out: Incidents: Action officer gets email notification with details of the incident including a due date for actioning. They continue to get reminders until closed (gets escalated t o upper management if not closed out on time). Inspections: Weekly and monthly inspections are also uploaded into this system. Actions get allocated to appropriate personnel to action (report includes photos), get email reminders until closed out.	
14	The Applicant may recommence the activities that were ceased, upon written advice by the Director-General that those concerns have been satisfactorily addressed.	NT	N/A	Site personnel conformed no incidents have occurred in the audit period.	
Date of Commencement					
15	The date of commencement shall be the date that the Applicant determines to proceed with the development. The Applicant must provide the date of commencement in writing to the Director-General before commencement of the development.	NT	N/A	Condition was not triggered within the IEA period.	
Pre-Construction Compliance Report					
16	At least two weeks prior to commencement of construction (or within such period as otherwise agreed in writing by the Director-General), the Applicant shall submit to the Director-General a report detailing the level of compliance with each Condition of this Consent that relates to pre-construction activities. The report shall include, but not necessarily be limited to: (a) the identification of each relevant Condition (b) the details of any study or report required by the relevant Conditions (c) the level of compliance with each relevant Condition (d) the reasons for any non-compliance (e) any action taken or proposed to make good any non-compliance, and (f) any action taken or proposed to implement the recommendations made in any study or report required by the relevant Conditions	NT	N/A	Condition was not triggered within the IEA period.	

<p style="text-align: center;">Clyde Transfer Terminal 2022 Independent Environmental Audit Determination of a Development Application for State Significant, Development Consent (205-08-01)</p>					
Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
Pre-Operation Compliance Report					
17	At least one month prior to the receipt of containerised waste at the premises (or within such period as otherwise agreed in writing by the Director-General), the Applicant shall submit to the Director-General a report detailing the level of compliance with each Condition of this Consent that relates to pre-operation activities. The report shall include, but not necessarily be limited to: (a) identification of each relevant Condition (b) the details of any study or report required by the relevant Conditions (c) the level of compliance with each relevant Condition (d) the reasons for any non-compliance (e) any action taken or proposed to make good any non-compliance, and (f) any action taken or proposed to implement the recommendations made in any study or report required by the relevant Conditions	NT	N/A	Condition was not triggered within the IEA period.	
Dispute Resolution					
18	The Applicant shall endeavour to resolve any dispute arising out of the implementation of these Conditions.	NT	N/A	Site personnel conformed no incidents have occurred in the audit period.	
19	For any unresolved dispute arising out of the implementation of these Conditions between the Applicant and a public authority, company or person (but excluding any dispute between the Applicant and its contractors and/or subcontractors engaged in the construction or operation of the development), in the first instance either party can refer the matter to the Director-General for resolution and, if not resolved, to the Minister. The Minister's determination of the disagreement shall be final and binding on all parties.	NT	N/A	Condition was not triggered within the IEA period.	
Monitoring Records					
20	The results of any monitoring required to be conducted by the Conditions of this Consent or a licence under the Protection of the Environment Operations Act 1997, in relation to the development, must be recorded and retained as specified in this Consent.	C	1. Odour Audit XXXIX, June 2022 2. Annual Truck Noise Measurements Report 16, November 2021 3. 2022 Truck noise monitoring raw data	All monitoring records are maintained on Veolia's internal drive and reports published on the Veolia CTT website. A review of the odour audit report identified that the site was well maintained and there was no evidence to suggest that significant fugitive odour emission released from the site is occurring. The next odour audit is due December 2022. A review of the 2021 Truck Noise Measurement Report identified that all noise measurements were within the noise criteria and no trigger limits were exceeded. Site personnel confirmed that the 2022 Truck noise monitoring has been completed and the report is in the process of being completed (due January 2023). The raw data was sighted during the audit interviews and there were no exceedance identified.	
21	All records required to be kept by this Consent or an environment protection 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) provided in a legible form to the Planning Secretary or any authorised officer of the EPA as soon as practicable after request.	C	1. Veolia CTT website	Records for the following are available on the Veolia CTT website: - Odour Audits I - XXXVII (2005 - 2021), XXXIX (2022) - Truck Noise Monitoring Report 1 - 16 (2008 - 2021). The 2022 report was being developed at the time of this IEA - AEMRs 2010 - 2021 - IEA's 2005 - 2021	
22	The following records must be kept in respect of any samples required to be collected: (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.	C	1. Odour Audit XXXIX 2. Annual Truck Noise Measurements Report 16	Odour audit monitoring and truck noise measurement reports reviewed during the IEA included the required records as outlined in this condition.	
GENERAL ENVIRONMENTAL MANAGEMENT					
Site Contamination					
23	The applicant shall obtain an environmental report prepared by a site auditor accredited under the <i>Contaminated Land Management Act 1997</i> to determine the nature and extent of contamination at the site and any investigation and/or remediation necessary before the land is suitable for commercial/industrial use. Prior to construction the Applicant shall obtain written endorsement from the site auditor for the following aspects of the Site Contamination Management Plan: (a) A plan to manage the disturbance of contaminated soil in a manner that protects sub-surface waters from contamination (b) A plan to manage dust during the construction and operational stages in a manner that protects the health of on-site and off-site personnel.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
24	Prior to completion of construction, any amelioration measures required to enable a site audit statement to be issued shall be implemented.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
Environmental Management Plan (EMP) (Construction Stage)					
25	The Applicant shall prepare an EMP (Construction Stage) which is specific to the development.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
25A	Prior to commencement of construction of the odour control system subject to MOD-133-11-2006, the Applicant shall prepare and obtain approval from the Planning Secretary for a Construction Environmental Management Plan (CEMP) specific to such works. The CEMP, to be submitted to the Planning Secretary and the EPA, shall include (but not necessarily be limited to) measures to be undertaken to minimise environmental impacts during construction with particular emphasis on measures for mitigating odour, dust, noise and traffic impacts on surrounding land uses. The CEMP shall provide details of how the environmental performance of the remediation works will be monitored, what actions will be taken to address identified adverse environmental impacts, and how the relevant requirements of conditions 26 to 38 shall be addressed. The CEMP shall reflect restrictions to construction hours as follows; Monday to Friday from 7am to 6pm, and Saturdays from 8am to 5pm, with no construction work on Sundays and Public Holidays. The CEMP shall be implemented during construction.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
26	The EMP (Construction Stage) shall be prepared in accordance with the Conditions of this Consent, all relevant Acts and Regulations and accepted best practice management procedures.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	

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Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
27	The Applicant must not commence any works until the EMP (Construction Stage) has been completed and submitted to the Director-General.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
28	The Applicant shall certify the EMP (Construction Stage) as being in accordance with the Conditions of Consent prior to submitting it to the Director-General.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
29	The EMP (Construction Stage) shall be made publicly available.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
30	The EMP (Construction Stage) shall include, but is not necessarily limited to, the following plans: (a) Soil and Water Management Plan (b) Construction Noise Management Plan (c) Dust Management Plan (d) Construction Waste Management Plan (e) Site Contamination Management Plan (f) Landscaping Plan	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
31	The Applicant shall address the elements outlined in Attachment 1 of this Consent when preparing the EMP (Construction Stage).	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
32	All site personnel (including contractors and subcontractors) during the construction stage must be inducted and trained to ensure compliance with the EMP (Construction Stage).	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
33	The Soil and Water Management Plan (SWMP) must describe the measures that will be employed to minimise soil erosion and the discharge of sediment and other pollutants to lands and/or waters during construction activities. The SWMP must be prepared in accordance with the requirements for such plans outlined in Managing Urban Stormwater: Soils and Construction (available from the Department of Housing).	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
34	The Construction Noise Management Plan must address, but is not necessarily limited to, the following issues: (a) compliance standards (b) community consultation (c) complaints handling monitoring/system (d) site contact person to follow up complaints (e) mitigation measures, including details of any noise attenuation measures (f) the design and operation of the proposed mitigation methods demonstrating best practice (g) construction times (h) contingency measures where noise complaints are received (i) monitoring methods and programs.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
35	The Construction Noise Management Plan must address, but is not necessarily limited to, the following issues: (a) compliance standards (b) community consultation (c) complaints handling monitoring/system (d) site contact person to follow up complaints (e) mitigation measures, including details of any noise attenuation measures (f) the design and operation of the proposed mitigation methods demonstrating best practice (g) construction times (h) contingency measures where noise complaints are received (i) monitoring methods and programs.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
36	The Construction Waste Management Plan must include, but not necessarily be limited to, strategies to ensure any waste generated during the construction stage is recycled, reused or disposed of in a lawful manner.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
37	The Site Contamination Management Plan must include, but not necessarily be limited to, the following issues that apply to construction stage activities: (a) A plan to manage the disturbance of contaminated soil in a manner that protects sub-surface waters from contamination (b) A plan to manage dust in a manner that protects the health of on-site and off-site personnel.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
38	The Landscaping Plan must include, but not necessarily be limited to: (a) the recommendations of the Visual Assessment Study in the EIS for landscaping and planting of native species, and (b) commitments by the Applicant for an appropriate financial or in-kind contribution towards landscaping the Parramatta Road frontage to soften and screen the access point as viewed from Parramatta Road.	NT	N/A	This condition relates to the construction phase of the site. The site is now operational - condition not triggered within the audit period.	
Environmental Management Plan (EMP) (Operation Stage)					
39	The Applicant shall prepare an EMP (Operation Stage) which is specific to the development.	C	1. Operational Environmental Management Plan (MAN-14631-1) Rev 0.3, July 2021	The OEMP has been updated. Revision details state Rev 0.3 was issued to the DPE dated 30 July 2021.	
40	The EMP (Operation Stage) shall be prepared in accordance with the Conditions of this Consent, all relevant Acts and Regulations and accepted best practice management procedures.	C	1. Operational Environmental Management Plan (MAN-14631-1) Rev 0.3	The 2021 OEMP was reviewed as part of the IEA, the auditor did not identify any inconsistencies with this condition. Detail pertaining to relevant Acts and regulations is identified in Table 2.1 and up to date information is maintained in the Veolia NSW Compliance Register (TEM-10143).	

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Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
41	The EMP (Operation Stage) shall include, but is not necessarily limited to, the following plans: (a) Waste Management Plan (b) Odour Management Plan (c) Dust Management Plan (d) Traffic Management Plan (e) Vermin and Pest Control Plan (f) Stormwater Management Plan (g) Site Contamination Management Plan (h) Incident Response Plan (i) Noise Management Plan (j) Operational Contingency Management Plan	C	Operational Environmental Management Plan (MAN-14631-1) Rev 0.3, July 2021	Section 1.3 of the 2021 OEMP incudes reference and links to the subplans outlined in this condition.	
42	The Applicant shall address the elements outlined in Attachment 1 of this Consent when preparing the EMP (Operation Stage).	C	1. Operational Environmental Management Plan (MAN-14631-1) Rev 0.3, July 2021 2. OEMP Sub-Plans - 2021	The 2021 OEMP addresses the relevant elements in Attachment 1 of the consent.	
43	The Applicant must not accept any un-containerised waste at the premises until the EMP (Operation Stage) has been approved by the Director-General.	C	1. Site inspection	Site personnel confirmed interviewed all waste accepted on site is transported via compactor trucks or enclosed trucks. All trucks observed entering the site were containerised.	
44	The Applicant shall certify the EMP (Operation Stage) as being in accordance with the Conditions of Consent prior to seeking approval of the Director-General.	C	1. Email correspondence the updated OEMP and subplans were submitted to DPE 2. DPE letter confirming compliance dated 7/2/2022	The 2021 OEMP and sub-plans were confirmed to be in accordance with the consent. Evidence that they were accepted by DPE was received.	
45	All site personnel (including contractors and subcontractors) during the operational stage must be inducted and trained to ensure compliance with the approved EMP (Operation Stage).	C	1. Corporate Induction 2. Contractor and site visitor Induction 3. Training records	Site personnel interviewed confirmed that all contractor /subcontractors undergo a corporate and / or site induction. A copy of the contractor and site visitor induction was received. The online corporate training package (including the sustainability section) was sighted. Training attendance records for were received for: '- Dust Management - Odour Management - Stormwater Management - Traffic Management - Waste Management Training records were not readily accessible during the site inspection - site personnel advised that records are currently held across four different locations as per internal policy, and due to the incorporation of a number of different methods for training, depending on the content. Site personnel confirmed that all training records are maintained in compliance with regulatory requirements and if not easily accessible on site, they can be requested. Site personnel also advised that the training matrix is currently in development, however has been slightly delayed due to the integration of the SUEZ business with Veolia mid year in 2022.	CTT-DA-OFI-01
46	The approved EMP (Operation Stage) shall be made publicly available on request to the Applicant.	C	1. Veolia CTT website	The OEMP (2021) is available on the Veolia website.	
47	The Waste Management Plan must address, but is not necessarily limited to, the following issues: (a) Procedures for inspecting and recording each load of un-containerised waste received at the terminal and for separating and disposing of any component of the waste that is not permitted to be accepted (b) Priority waste handling given to the most offensive wastes, otherwise “first in/first out” waste handling (c) Procedures for cleaning vehicles before they leave the premises in a manner that prevents the tracking of waste from the premises (d) An education program for all drivers of waste vehicles using the site, about waste types permitted to be received at the premises and the need to ensure their vehicle does not track waste from the premises (e) The inclusion of conditions in contracts with waste transporters addressing acceptable waste types and punitive measures for non-compliances (f) An enforcement program to be maintained for the duration of the development which includes the imposition of punitive measures for delivering unacceptable waste types (g) Procedures for minimising wind blown litter from leaving the premises and for regular patrols of surrounding areas to collect any litter that has been carried from the premises (h) Procedures for preventing washdown waters and any other liquid that has been in contact with waste from entering the stormwater system (i) An operational contingency plan to be implemented in the event of equipment failure, industrial action or other situation that prevents the containerisation of waste that has been in the terminal building in excess of 18 hours (j) Fire management procedures including the management of fire water in a manner that will not pollute waters.	C	1. Waste Management Plan (MAN-14632-1) 2021	The WMP was reviewed and addressed the requirements of this condition: a) Procedures addressed in section 4.2.3 and 4.2.4 b) Priority waste handling addressed in section 4.2.3 c) Procedure for vehicle cleaning addressed in section 4.5.1 d) Education program for drivers is addressed in section 4.4 e) Contractor contract conditions is addressed in section 4.4.2 f) Enforcement program is addressed in section 4.4.1.1 g) Process for minimising letter is addressed in section 4.5.2 h) Process for protecting surface waters is addressed in section 4.5.3 i) Operation contingency plan addressed in section 4.5.5 j) Fire management is addressed in section 4.5.4	

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Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
48	<p>The Odour Management Plan must address, but is not necessarily limited to, the following issues:</p> <p>(a) Procedures for the management of waste at the premises at all times to minimise the generation of odours.</p> <p>(b) Protocols for the operation of the odour control mechanisms for the terminal building, including the forced air extraction and odour filtration system, to minimise the risk of any adverse impact on surrounding commercial and residential areas.</p> <p>(c) Procedures for the maintenance and repair of the forced air extraction and odour filtration system on the terminal building, including the replacement of the dust filters and odour adsorption material</p> <p>(d) Criteria to be utilised to determine when the replacement of dust filters and odour adsorption material for the terminal building is to be carried out.</p> <p>(e) An emission monitoring program designed to determine the odour generation rates from the waste in the terminal building and to establish the capture and removal efficiency of the forced air extraction and odour filtration system and appropriate equipment maintenance schedules for replacement of dust filters and odour adsorption material. The program is to include odour emission monitoring using dynamic olfactometry in such a way as to allow determination of the performance of the odour control system with and without each component of the forced air extraction and odour filtration system in operation.</p> <p>(f) An odour audit program which provides for a comprehensive odour audit of the premises and nearby commercial and residential areas, by an independent, appropriately qualified and experienced person, to be conducted 3-monthly for the initial 24 months of receiving un-containerised waste at the terminal, and 6-monthly thereafter, unless otherwise approved in writing by the Director-General.</p> <p>(g) An operational contingency plan to be initiated in the event of equipment failure, industrial action or any other situation that prevents the containerisation of any waste that has been in the terminal building in excess of 18 hours. Such a plan shall include suspending the acceptance of further un-containerised waste at the premises.</p> <p>(h) A testing program designed to determine appropriate maintenance schedules for replacement of odour adsorption material in the pressure relief vents of the waste containers.</p> <p>(i) Procedures for the maintenance and repair of the odour adsorption and pressure relief vents of the waste containers, including the replacement of the odour adsorption material; and</p> <p>(j) A community consultation program on odour. The community consultation program may include a community survey, to be developed in conjunction with the community consultative committee.</p>	C	1. Air Quality Management Plan (MAN-14633-1) - 2021	<p>A review of the AQMP confirmed it addresses the requirements of this condition:</p> <p>a) Management to minimise odour is addressed in section 4.1.4</p> <p>b) Protocols for operating air extraction and odour filtration system is addressed in section 4.</p> <p>c) Procedure for maintenance and repair of air extraction and odour filtration system is addressed in section 4.1.4.3</p> <p>d) Criteria for the replacement of dust filters and odour absorption material is addressed in section 4.1.2</p> <p>e) Emission monitoring addressed in section 5.1.1</p> <p>f) Odour audit program is addressed in section 3.2</p> <p>g) Operational contingency Plan is addressed in section 4.1.3</p> <p>h) Testing program is addressed in section 4.1.2</p> <p>i) Maintenance and repair procedures is addressed in section 4.1.2</p> <p>j) Community consultation is addressed in section 5.2.3</p>	
49	<p>The Dust Management Plan shall include but not necessarily limited to, control strategies to achieve compliance with any dust emission limits in this consent and any applicable environment protection license. The Dust Management Plan shall adopt the recommendations made by Turnkey Environmental Services Pty Ltd (dated 13 Feb 2006) and provided in Appendix D of the Statement of Environmental Effects Modification to the Termination Building Forced Ventilation System Clyde Waste Transfer Station (Environ, Oct 2006) in relation to the dust suppression spray system at the terminal. The Dust Management Plan shall provide for the monitoring of the performance of the dust suppression system and for improving its performance as it may be necessary. Following the receipt of any dust related complaints, the Planning Secretary may require the Applicant to undertake further investigations, monitoring or implement measures aimed to mitigate identified dust impacts on residential areas associated with the operation of the terminal</p>	C	1. Air Quality Management Plan (MAN-14633-1) - 2021	<p>A review of the AQMP confirmed it addresses the requirements of this condition.</p>	
50	<p>The Traffic Management Plan must address, but is not necessarily limited to, the following issues:</p> <p>(a) An education program for all drivers and owners of waste vehicles using the site, about the "left turn only" restrictions on entering and leaving the premises via Parramatta Road</p> <p>(b) A monitoring and recording program to identify and record any waste vehicle and its driver that breaches the "left turn only" restriction upon entering or leaving the premises via Parramatta Road.</p> <p>(c) An education program for all drivers and owners of waste vehicles using the site, about the waste transport routes permitted to be used in the vicinity of the development</p> <p>(d) A monitoring and recording program to identify and record any waste vehicle and its driver that breaches the permitted transport routes</p> <p>(e) An enforcement program including the imposition of identified punitive measures against any driver or vehicle owner whenever the above restrictions are breached</p> <p>(f) Contracts with waste transporters to include conditions addressing entry and exit restrictions and permissible waste transport routes and punitive measures for non-compliances.</p> <p>(g) Measures to minimise trucks and other heavy vehicles from entering or exiting the premises between the following hours: 10pm and 5am Mondays to Saturdays; 10pm and 7am Sundays and public holidays.</p>	NC	<p>1. Request for modification to consent conditions (14/3/2022)</p> <p>2. Traffic Management Plan (MAN-14634-1) 2021</p>	<p>This conditions was identified as a NC in the 2021 IEA with an action to request that this condition be amended. Veolia submitted a request for modification to consent conditions (14/3/2022) requesting that the condition be changed. The request included the following:</p> <ul style="list-style-type: none"> - Condition number and detail - Details of the requested change - justification for the requested change <p>DPE have indicated that Veolia will be required to submit an EIS to support the application. Site personnel advised that as part of this open modification request, a consultant has been engaged to undertake the EIS in order to fulfil the requirements of this consent modification application. The EIS will be submitted to the DPE upon completion.</p> <p>NC to remain open whilst modification application is being assessed by DPE. Status to be confirmed during the 2023 IEA.</p>	CTT-DA-NC-01
51	<p>The Vermin and Pest Control Plan must address, but is not necessarily limited to, the following issues:</p> <p>(a) Removing all waste from the tipping areas at the end of each day</p> <p>(b) Cleaning up all waste tipping and handling areas at the end of each day</p> <p>(c) Regular cleaning of catch drains and drainage sumps</p> <p>(d) Minimising onsite waste storage and handling</p> <p>(e) Maintaining any bird deterrent measures such as hanging wires</p> <p>(f) Routine inspection and action for potential vector habitats</p> <p>(g) Using commercial vector control specialists</p> <p>(h) Conducting routine litter patrols to collect trash on site, around the perimeter, on immediately adjacent properties and on approach roads.</p>	C	1. Vermin and Pest Control Plan (MAN-14635-1) - 2021	<p>A review of the VPCP confirmed it adequately addresses the requirements of this condition. Section 4.1.2 outlines the schedule and method of control on site.</p> <p>a) Waste removal requirements are outlined in sections 4.1.2, 4.1.3 and reference to section 4.3 of the Waste Management Plan</p> <p>b) Cleaning up of waste addressed in sections 4.1.3 and reference to section 4.3 of the Waste Management Plan</p> <p>c) Regular cleaning of catch drains addressed in section 4.1.3</p> <p>d) Onsite waste storage and handling addressed in section 4.1.2 and 4.1.3</p> <p>e) Bird deterrents addressed in sections 4.1.2 and 4.1.3</p> <p>f) Routine inspections addressed in section 5.1</p> <p>g) Vector control specialists addressed in section 5</p> <p>h) Routine litter patrols addressed in section 4.1.3</p>	
52	<p>The Stormwater Management Plan must describe the post construction measures to be employed to operate and maintain the stormwater controls at the premises in a manner that minimises the pollution of waters.</p>	C	1. Stormwater Management Plan (MAN-14636-1) 2021	<p>A review of the SMP confirmed it adequately addresses the requirements of this condition.</p>	
53	<p>The Site Contamination Management Plan must include any actions recommended in the environmental report by the site auditor that apply to operation stage activities.</p>	C	1. Site Contamination Management Plan (MAN-14637-1) 2021	<p>A review of the SCMP confirmed it adequately addresses the requirements of this condition. Section 5 outlines the requirements for monitoring and reporting.</p>	

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Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
54	<p>The Noise Management Plan shall be drafted in consultation with the rail operator for operation of the rail siding adjacent to the waste packaging terminal for the rail haulage services for Collex. The plan is to be submitted to Auburn Council. The plan must address the objective of mitigating operational rail noise from operations directly attributable to the loading and unloading of containers and associated rail operation on the siding adjacent to the Collex terminal, relating to the movement of containers from the Collex packing terminal. The plan must also identify reasonable noise mitigation strategies:</p> <p>a) Upgrade to hardstand areas utilised for loading and unloading of trains and rail track upgrade where feasible;</p> <p>b) Resurfacing of hardstand area with appropriate noise mitigation materials;</p> <p>c) Track repair and realignment where feasible and appropriate to minimise forklift travel having regard for other rail operations and heritage issues;</p> <p>d) Container management protocols to minimise movement and handling of containers with an emphasis on noise mitigation;</p> <p>e) Identification and utilisation of forklifts to minimise noise impacts and implement measures to minimise use of reversing alarms at night;</p> <p>f) Establishment of a noise complaints procedure;</p> <p>g) Investigating the scheduling of trains outside critical hours subject to metropolitan curfew, Rail Infrastructure Corporation slot management and rail operational considerations;</p> <p>h) Ongoing community consultation; and</p> <p>i) Employee education in noise mitigation practices.</p>	C	Noise Management Plan (MAN-14638-1) - 2021	<p>A review of the NMP confirmed it adequately addresses the requirements of this condition:</p> <p>a) upgrade of hardstand areas is addressed in section 4.2.1</p> <p>b) Resurfacing of hardstand areas is addressed in section 4.2.1</p> <p>c) Track repair addressed in section 4.2.2</p> <p>d) Container management is addressed in section 4.1.2</p> <p>e) Noise minimisation for Forklift usage is addressed in section 4.1.2</p> <p>f) Noise complaints procedure is addressed in section 5.3 and also references section 4.3.4 of the OEMP</p> <p>g) Train scheduling is addressed in section 4.1.4</p> <p>h) Community consultation is addressed in section 1.4</p> <p>i) Employee education is addressed in section 4.1.1</p> <p>This conditions was identified as an OFI in the 2021 IEA with an action to provide a copy of the Noise Management Plan to Pacific National and Cumberland Council for review and comment. Site personnel confirmed that the NMP was submitted to stakeholders for feedback, however they have not received any comments to date.</p>	
54A	<p>Prior to the commencement of expanded operations under DA No. 205-08-01 MOD 5, the Proponent must prepare an Operational Contingency Management Plan (OCMP) to the satisfaction of the Planning Secretary. The OCMP must form part of the EMP (Operation) required by condition 41. The OCMP must:</p> <p>(a) be prepared by a suitably qualified and experience person(s);</p> <p>(b) be prepared in consultation with the EPA;</p> <p>(c) detail the exception circumstances when the amount of waste in the terminal building would exceed 500 tonnes at any one time</p> <p>(d) describe the measures in place to minimise the number of instances of these exceedances;</p> <p>(e) identify all potential impacts arising from these instances;</p> <p>(f) characterise these impacts, such as effects, duration, receptors, level of impact;</p> <p>(g) detail appropriate mitigation measures;</p> <p>(h) describe the monitoring of potential environmental impacts during exceptional circumstances; and</p> <p>(i) describe reporting to the appropriate regulatory authorities</p>	C	<p>1. Waste Management Plan (MAN-14632-1) 2021</p> <p>2. Business Continuity Plan (BCP) (MAN-5523-2) 17/05/2022</p>	<p>The Waste Management Plan includes:</p> <p>- Section 4.5 of the Waste Management Plan (WMP) states that the operational Contingency Plan (Table 4.1) will be implemented in the event waste containerisation is prevented in excess of 18 hours as well as identifying issues relating to the delivery of waste</p> <p>- Section 4.5.5 includes reference to the requirements of this condition</p> <p>- Table 4.1 identifies the remedial measures to be implemented in the event of operational disruption</p> <p>The Business Continuity Plan incudes:</p>	
54B	<p>The Proponent must</p> <p>(a) not commence expanded operations until the OCMP required by condition 54A is approved by the Planning Secretary; and</p> <p>(b) implement the most recent version of the OCMP approved by the Planning Secretary for the duration of the development.</p>	C	Business Continuity Plan (BCP) (MAN-5523-2) 17/05/2022	The requirements of this condition are being complied with.	
Environmental Management Representative (EMR)					
55	<p>The Applicant shall employ or contract a suitably qualified Environmental Management Representative (EMR) throughout the duration of the development. The EMR shall:</p> <p>(a) be the principle person responsible for overseeing environmental management of the development and supervision of environmental services</p> <p>(b) have the authority to stop work if an adverse impact on the environment has occurred or is likely to occur</p> <p>(c) be responsible for the certification of all environmental management plans and procedures</p> <p>(d) be responsible for considering and advising on matters specified in the Conditions of Consent and compliance with such matters</p> <p>(e) oversee the receipt of, and response to, complaints about the environmental performance of the development</p> <p>(f) be present on-site during any critical construction or operational activity as defined in the relevant Environmental Management Plan</p> <p>(g) be a member of the Community Consultative Committee for the development</p>	C	1. DPE approval of EMR dated 15/10/2021	DPE approval in 2021 received confirming the nominated EMR. It was confirmed during the audit interviews that the EMR responsibilities align with the requirements of this condition and that they have not changed since the previous audit in which the EMR position description was received and confirmed as compliant.	
Environmental Monitoring Program					
56	<p>The Applicant shall prepare and implement a detailed Environmental Monitoring Program for the proposed development. The program shall include, but is not necessarily limited to, all the monitoring required by this Consent, the environment protection licence, the EMP (Construction Stage) and the EMP (Operation Stage) for the development. The program must:</p> <p>(a) Identify the environmental issues to be monitored</p> <p>(b) For each issue, indicate whether its monitoring is required by this Consent, the environment protection licence, the EMP (Construction Stage), the EMP (Operation Stage), or by another instrument</p> <p>(c) Set standards and performance measures for each issue</p> <p>(d) Describe in detail how each issue is to be monitored, who will conduct the monitoring, how often the monitoring will be conducted, and how the results of the monitoring will be recorded and reported to the Director-General and other relevant authorities</p> <p>(e) Indicate the actions taken and procedures to be followed if any non-compliance is detected.</p>	C	<p>1. Environmental Monitoring Program (EMP) - 2021</p> <p>2. WIS-8466-CTT - Exceedances Notification Work Instruction</p>	<p>A review of the EMP confirmed it adequately addresses the requirements of this condition. The table in section 2 lists:</p> <p>a) Environmental issues to be monitored and monitoring requirements for each environmental issue</p> <p>b) Includes detail of condition that issue relates to</p> <p>c) Standards / performance measures to be used for sampling/monitoring</p> <p>d) Frequency for monitoring each environmental issue, the parameters to be monitored (reference to the appropriate guideline). The EMP does not include detail on how the results will be recorded and reported to the Director General /other relevant authorities, however section 1.3 references the OEMP for this detail.</p> <p>Section 2.1 also includes a monitoring calendar</p> <p>e) Section 1.3 includes a statement that the OEMP provides detail for recording and reporting of monitoring results and actions required for any non conformances</p>	CTT-DA-OFI-02
57	<p>All monitoring required by this Consent must be:</p> <p>(a) conducted by suitably qualified persons approved by the Director-General</p> <p>(b) conducted in accordance with established standards and protocols</p> <p>(c) reported annually in the Annual Environmental Management Report.</p>	C	<p>1. Odour Audit XXXIX (June 2022)</p> <p>2. AEMR (2021 - 2022)</p> <p>3. Annual Truck Noise Measurements (November 2021) - Clyde Truck Noise Report 16</p>	<p>Site personnel interviewed confirmed that</p> <p>a) All monitoring is undertaken internally or by contractors that are suitably qualified:</p> <p>- Odour monitoring and reporting is undertaken by The Odour Unit</p> <p>- Truck noise monitoring and reporting is undertaken by Environmental Officer - NSW Resource Recovery</p> <p>- Water quality sampling is undertaken internally and samples are sent to a NATA accredited lab (ALS)</p> <p>b) Relevant standards are referenced in the report</p> <p>c) A review of the AEMR confirmed that the monitoring results are included</p>	

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Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
58	The Applicant shall include a report on the Environmental Monitoring Program in the Annual Environmental Management Report. The report must: (a) summarise the results from the Environmental Monitoring Program over the previous year (b) analyse the results in relation to both past performance, and the relevant standards and performance measures of the development (c) identify any emerging trends in the data over the life of the development (d) include a copy of the detailed monitoring results as an attachment.	C	1. AEMR (2021 - 2022)	A review of the AEMR confirmed it adequately addresses the requirements of this condition: a) A summary of the previous years results are included in the report (section 2) b) Table included in Appendix B conditions of Development Consent Compliance Table c) Monitoring results are included in Section 2 d) Monitoring data is included in Appendix D	
Annual Environmental Management Report					
59	Between twelve and fourteen months after the issue date of an environment protection licence for the development, and annually thereafter for the duration of the development, the Applicant shall submit an Annual Environmental Management Report to the Director-General, the EPA and the Community Consultative Committee. The report shall be made available to the public on request to the Applicant. The report may be combined with the Annual Return required by the environment protection licence to be submitted to the EPA. The report must: (a) identify all the standards, performance measures, and statutory requirements the development is required to comply with (b) review the environmental performance of the development to determine whether it is complying with the standards, performance measures, and statutory requirements (c) identify each occasion during the previous year when the standards, performance measures, or statutory requirements have not been complied with (d) where any non-compliance is identified, describe the actions or measures taken to ensure compliance, who is responsible for carrying out the actions, and when the actions were (or will be) implemented (e) include a summary of any complaints made about the development, and indicate the actions taken to address the complaints (f) include a report on the Environmental Monitoring Program as specified in this Consent.	C	1. AEMR (2020 - 2021) 2. Annual Return (2021 - 2022) 3. eConnect email confirming AR submitted (14/03/2022)	A review of the AEMR confirmed it adequately addresses the requirements of this condition: a) Requirements are identified in: - Table 2.2 Meteorological data parameters and performance measures - Table 2.3 NSW EPA air quality and dust assessment criteria - Table 2.4 odour emission performance criteria - Table 2.6 Noise monitoring requirements - Table 2.9 Pest and vermin management b) Environmental performance is outlined in section 3: c) Compliance for each monitoring type is outlined in the relevant subsections of section 2 and section 3 d) Table 3.1 lists any non- compliances, corrective actions, status and date completed and responsible person(s) e) Section 3.5 outlines the detail to be recorded for complaints. It also includes a statement that no complaints were received during the reporting period f) Section 2 outlines the monitoring requirements and Table 2.1 summarises the environmental monitoring program for the site	
Independent Environmental Audits					
60	Every year following the date of this consent, or at periods otherwise agreed to by the Director-General, and until such time as agreed to by the Director-General, the Applicant shall arrange for an independent audit of the environmental performance of the development. The audits shall: (a) be conducted pursuant to ISO 14010 – Guidelines and General Principles for Environmental Auditing, ISO 14011 – Procedures for Environmental Monitoring and any specifications of the Director-General; (b) be conducted by a suitably qualified independent person approved by the Director-General; (c) assess compliance with the requirements of this consent; (d) assess the implementation of the EMP (Construction) and EMP (Operation) and review the effectiveness of the environmental management of the development; and (e) be carried out at the Applicants’ expense.	C	1. 2021 Independent Environmental Audit (IEA) (Epic Environmental)	A review of the 2021 IEA conducted by Epic Environmental confirmed: a) The audit was undertaken in accordance with the relevant standards and procedures b) The IEA was undertaken by suitably qualified persons. The audit team was approved by the Planning Secretary c) The consent conditions formed the compliance assessment criteria d) The OEMP and the implementation of the OEMP on site was reviewed e) Veolia engaged Epic Environmental to undertake the audit based on an agreed scope and fees.	
Monitoring and audit results to be publicly available					
61	The results of all monitoring and auditing required by this Consent must be made publicly available at the same time they are submitted to the Director-General	C	1. Veolia CTT website	Monitoring reports and audits available eon the Veolia CTT website. Note: 2022 Truck noise monitoring report was being prepared at the time of this audit. Once finalised it will be submitted to the DG and published on the website. The raw data was sighted during the audit interviews.	
WASTE MANAGEMENT					
Waste Receipt and Removal					
62	The Applicant must not cause, permit or allow any waste generated outside the premises to be received at the premises unless permitted to do so by an environment protection licence.	C	1. IEA of the EPL 2. Site inspection 3. Records for incoming waste	Waste accepted on the site was observed to be in accordance with this condition and the conditions of the EPL.	
63	The Applicant must ensure that waste received at the premises is restricted to inert and solid waste as defined in Schedule 1, Part 3 of the Protection of the Environment Operations Act 1997 or is assessed as inert waste or solid waste following the technical assessment procedure outlined in Technical Appendix 1 of the Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes (EPA, 1999).	C	1. Site Inspection 2. Records for incoming waste 3. Audit interviews (weighbridge supervisor) 4. Request for modification to consent conditions (14/3/2022)	All incoming waste is brought under contracts only. Upon arrival on site, the weighbridge supervisor checks the waste type from the contractor verbally and also via cameras. Terminal personnel check waste is conformant when its tipped on the terminal floor (visually). Site personnel confirmed the process for checking conformance during the site inspection. They also confirmed the process for when non-conformant waste is identified: - steel and gas bottles removed and placed in bins outside of the terminal shed for recycling - other non conformant waste is removed, contractor contacted and required to return and collect it for transfer to an appropriate facility. This conditions was identified as an OFI in the 2021 IEA with an action to request that this condition be amended. Veolia submitted a request for modification to consent conditions (14/3/2022) requesting that the condition be changed. The request included the following: - Condition number and detail - Details of the requested change - justification for the requested change	

<p style="text-align: center;">Clyde Transfer Terminal 2022 Independent Environmental Audit Determination of a Development Application for State Significant, Development Consent (205-08-01)</p>					
Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
64	No waste shall be removed from the premises except: (a) construction waste arising from activities during the construction stage of the development (b) waste in sealed shipping containers to be transported by rail for disposal at the Woodlawn Bioreactor (c) small quantities of waste not permitted by the EPL to be received at the terminal, that have been separated out from the incoming waste stream through a documented operational procedure of regular waste inspections and associated control measures: these wastes are to be disposed of to a lawful waste facility (d) waste generated from onsite activities such as plant maintenance and repairs, that is not suitable for acceptance at the Woodlawn Bioreactor: these wastes are to be disposed of to a lawful waste facility (e) wastewater generated onsite: these wastes are to be disposed of to sewer (f) leachate generated from the onsite management of waste: these wastes are to be disposed of to sewer or a lawful liquid waste treatment plant (g) recyclable materials generated from the onsite office: these wastes are to be directed to a suitable recycling facility.	C	1. Site Inspection 2. Records for outgoing waste	Waste removed from site complies with the requirements of this condition: a) N/A site is operational and not under construction b) Waste transferred to Woodlawn is compacted into shipping containers and placed on rail carts for transport c) Regular waste inspections are undertaken an nonconformant waste is separated d) Any onsite waste produced is disposed of appropriately e) Water on site is either collected in tanks for removal offsite or flows to the stormwater ponds f) Leachate is collected and transported offsite g) Waste material produced on site is minimal. Records for outgoing waste were sighted in the Veolia system during the audit interviews.	
65	The Applicant shall implement the approved Waste Management Plan to the satisfaction of the Director-General.	C	1. Waste Management Plan (MAN-14632-1) Revision 0.3, 30/7/2022	Observations made on site and interviews with site personnel demonstrated the WMP has been implemented on site.	
Asbestos Waste					
66	The Applicant will not accept asbestos at the premises. The Waste Management Plan must make provision for identification of asbestos in waste not knowingly received at the premises and for the proper and safe disposal of any asbestos so identified.	NC	1. Waste Management Plan (MAN-14632-1) 2. Site inspection, 3. Training records (asbestos training) 4. Audit interviews	Section 4.2.2 of the WMP includes a reference that Asbestos is an unaccepted waste, however the WMP does not specifically include detail for asbestos identification and disposal. Guides on what asbestos looks like area located on notice boards in the site office. Although staff are trained in how to identify asbestos and site personnel interviewed demonstrated an understanding of the process to follow in the event asbestos is identified, the condition is explicit that provision for the identification of asbestos <u>must</u> be detailed in the WMP.	CTT-DA-NC-02
Waste Management and Record Keeping					
67	Records shall be made and maintained of each load of waste entering the premises, including the identification of the vehicle, weight, nature and origin of the waste received, and whether the waste was received in pre-packaged shipping containers or for on-site containerisation.	C	1. Waste records for incoming waste 2. Site Inspection	Waste records for incoming waste were sighted during the site inspection, confirming compliance with the requirements of this condition. The weighbridge system was also observed during the site inspection.	
68	Records shall be made and maintained of any waste leaving the premises by motor vehicle, including the identification of the vehicle, and the weight, classification and destination of the waste.	C	1. Waste records for outgoing waste 2. Site Inspection	Records for all outgoing waste was sighted on Veolia's internal system.	
69	Records shall be made and maintained of all events involving the removal of any waste received at the premises which is not permitted to be accepted at the premises.	C	1. Waste records for outgoing waste 2. Site inspection	Waste steel and gas cylinders were observed on site - separated and stored in separate bins for recycling. These are collected once the bn is full/minimum number of cylinders.	
ODOUR MANAGEMENT					
70	The Applicant shall install a forced ventilation system in the Terminal Building in accordance with MOD-133-11-2006, the design specified in the report Addendum to Final Report – Odour Mitigation Study – Clyde Waste Transfer Terminal – Collex Pty Ltd prepared by the Odour Unit Ltd and dated July 2006, and drawing N3630/100 tilted Clyde Transfer Terminal Roof and Gallery Level Proposed Ducting Layout Details prepared by Turnkey Environmental Systems Pty Ltd. The system shall include a single air exhaust stack to discharge all air from the waste receival and compaction/loading building, in accordance with the following specifications; Minimum Stack Height (meters above existing ground level) Minimum Stack Height above the top of the roof (meters) Minimum Stack Diameter (meters) Minimum Stack Exit Velocity (m/s) Minimum Stack Exit Volumetric Flowrate (m3/s) Location (X coordinate) Location (Y coordinate) 21 4 2.64 20 109.48 317145 6254129 The six original fans drawing air from the building through the odour control system shall be replaced with six fans of at least 18kW capacity (each) as per MOD-133-11-2006. The forced air extraction system installed under MOD-133-11-2006 shall be capable of operating in a proper and efficient manner under continuous duty Any variations of the design and specifications indicated above resulting from the detailed design of the odour control system shall be approved by the Planning Secretary, in consultation with the EPA, prior to the commencement of construction. As part of such approval, the Planning Secretary may require the Applicant to provide information demonstrating that the final design will not result in increased impacts as those predicted in the documents referred to under condition 1(e)	NT	N/A	Not applicable to this audit period. Ventilation systems were sighted during the site inspection.	
71	Construction of the Terminal Building force ventilation system in accordance with MOD-133-11-2006 shall be undertaken under continuous operation of the original forced ventilation system (as per design approved by the Planning Secretary in correspondence to Collex dated 5 January 2003). Forced ventilation in the Terminal Building, by the operation of the original system or the new system subject to MOD-133-11-2006, shall not be interrupted at any time during the period of transferring odour control systems, unless otherwise approved by the Planning Secretary following a written application for temporary stoppage of the ventilation system during that period. Such application shall provide details of stoppage time required, impacts predicted, and proposed mitigation measures and notification requirements. This condition does not apply at times when waste is not contained within the building.	NT	N/A	Not applicable to this audit period	
72	Prior to commencement of construction of the works required under MOD-133-11-2006, the Applicant shall notify the Planning Secretary, Auburn Council, the EPA and the Community Consultative Committee in writing of the date of commencement of construction, details of the main construction activities and anticipated duration of construction and times of the main construction activities.	NT	N/A	Condition relates to construction phase.	
73	The Applicant shall implement the approved Odour Management Plan to the satisfaction of the Director-General.	C	1. DPE letter confirming compliance dated 7/2/2022	DPE confirmed compliance with this condition in writing.	

**Clyde Transfer Terminal
2022 Independent Environmental Audit
Determination of a Development Application for State Significant, Development Consent (205-08-01)**

Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
74	The Applicant must not cause or permit the emission of offensive odours from the premises, as defined under section 129 of the Protection of the Environment Operations Act 1997.	C	1. Site inspection 2. Complaint records 3. Weekly inspection records	Site personnel interviewed that there has not been any odour complaints during the audit period. Site personnel verbally described the complaints process and navigated through the complaints system in RIVO. Weekly inspection forms were sighted and confirming the form includes a checkbox for odour. There was minimal noticeable odour outside of the terminal shed. There was no noticeable odour outside of the site boundary at the time of the site inspection.	
75	The Applicant shall continuously operate the forced ventilation system subject to MOD-133-11-2006 (and the original forced ventilation system until the system subject to MOD-133-11-2006 becomes operational) whenever waste is contained within the building, unless otherwise approved by the Planning Secretary. As part of such approval, the Planning Secretary may require the Applicant to carry out additional investigations and implement additional measures to mitigation any off-site impacts that may be anticipated or identified from such investigations	C	1. Hardcopy maintenance records for forced ventilation system	Site personnel interviewed confirmed the ventilation system is continuously operated. Maintenance records from Equilibrium Air conditioning Service Pty Ltd were sighted during the site inspection (31/10/22 and 29/9/22 November receipt yet to be received) demonstrating that the system is functioning.	
76	Within three months of the commissioning of the forced ventilation system subject to MOD-133-11-2006, the Applicant shall conduct; (a) odour emission rate sampling and analysis from the single stack (conducted in accordance with Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (EPA, January 2007); and (b) odour dispersion modelling for the stack odour discharge conducted in accordance with the Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA, August 2005) and the Technical Framework – Assessment and Management of Odour from Stationary Sources in NSW (EPA, November 2006) to confirm whether the operation of the modified stack design meets the DEC's odour goal of less than 2 OU at the nearest sensitive receiver.	NT	N/A	Condition was not triggered within the IEA period.	
77	The results of any odour performance testing and modelling conducted in accordance with the conditions of this consent, including those required under condition 77, shall be submitted to the Community Consultative Committee, the EPA, the Planning Secretary and shall be made publicly available, within eight weeks of the testing and modelling having been completed.	C	1. Veolia CTT website - Odour Audit Reports I (2005) to XXXIX (to 2022)	Odour monitoring is undertaken and reports are made available on the CTT website.	
78	Following the review of the investigations required under condition 77, or any other odour related investigations and documentation required under this consent, the Planning Secretary in consultation with the EPA may require the Applicant to carry out additional investigations and implement additional measures to mitigate any identified off-site odour impacts.	NT	N/A	Condition was not triggered within the IEA period.	
79	The results of any odour performance testing conducted in accordance with the conditions of this Consent may be submitted to the Director-General together with a proposal to vary the continuous operation of the forced air extraction and odour filtration system. The proposal must be prepared in consultation with the Community Consultative Committee and the EPA. Any variation to the continuous operation of the forced air extraction and odour filtration system must not be carried out except with the written approval of the Director-General.	NT	N/A	Condition was not triggered within the IEA period.	
80	All odour monitoring and management plans shall be made available to the public on request to the Applicant.	C	1. Veolia CTT website	The odour monitoring reports and the air quality management plan are available on the Veolia CTT website.	
81	Any containerised waste shall not be exposed to the atmosphere at the site, except via a pressure release mechanism and odour filtration system on a container maintained and operated in accordance with the Conditions of this Consent.	C	1. Site inspection	All waste containers observed during the site inspection were sealed and the pressure release was observed to be directed via a filtration system.	
82	The design of the pressure release mechanism and odour filtration system on the waste containers shall be approved by the Director-General prior to the acceptance of any containerised waste at the premises.	NT	N/A	Condition relates to design phase.	
83	Any waste that has been packed into containers on the site, shall not be re-exposed to the atmosphere at the site, except via a pressure release mechanism and odour filtration system on a container maintained and operated in accordance with the Conditions of this Consent.	C	1. Site inspection	Once a container is packed, its closed and cleaned down and moved to the storage area ready for loading onto the train carts for transport to Woodlawn. Container filling and cleaning was observed during the site inspection.	
84	Deleted Condition (MOD-133-11-2006)	NT	N/A	Condition has been removed.	
85	Deleted Condition (MOD-133-11-2006)	NT	N/A	Condition has been removed.	
86	Deleted Condition (MOD-133-11-2006)	NT	N/A	Condition has been removed.	
87	The Applicant shall carry out monitoring the forced ventilation system subject to MOD-133-11-2006 (including air emissions monitoring or other) as may be required under any Environment Protection License. The monitoring results shall be reported in the Annual Environmental Management report required under condition 59.	C	1. Clyde Waste Transfer Terminal Odour Audit XXXIX (2022) 2. AEMR 2021 - 2022 3.Request for modification to consent conditions (14/3/2022)	A review of the AEMR identified that monitoring is undertaken in accordance with the requirements of this condition. Maintenance records from Equilibrium Air conditioning Service Pty Ltd for the ventilation system were also sighted during the site inspection. This conditions was identified as an OFI in the 2021 IEA with an action to request that this condition be amended. Veolia submitted a request for modification to consent conditions (14/3/2022) requesting that the condition be changed. The request included the following: - Condition number and detail - Details of the requested change - justification for the requested change	
88	Monitoring for the concentration of a pollutant emitted to the air must be done in accordance with: (a) any methodology which is required by or under the Protection of the Environment Operations Act 1997 to be used for the testing of the concentration of the pollutant; or (b) if no such requirement is imposed by or under the Protection of the Environment Operations Act 1997, any methodology which the general terms of approval or a condition of the licence (as the case may be) requires to be used for that testing; or (c) if no such requirement is imposed by or under the Protection of the Environment Operations Act 1997 or by the general terms of approval or a condition of the licence (as the case may be), any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.	C	1. Clyde Waste Transfer Terminal Odour Audit XXXIX (2022) 2. AEMR 2020 - 2021	Odour monitoring is undertaken in accordance with methods consistent with the EPA requirements.	
89	Deleted Condition (MOD-133-11-2006)	NT	N/A	Condition has been removed.	

Clyde Transfer Terminal 2022 Independent Environmental Audit Determination of a Development Application for State Significant, Development Consent (205-08-01)																																																																	
Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification																																																												
90	Prior to the installation of the forced ventilation system subject to MOD-133-11-2006, the Applicant shall provide to the EPA, manufacturer’s performance guarantees, demonstrating to the satisfaction of the EPA that the equipment will comply with the design parameters specified in this consent and/or the Environmental Protection License.	NT	N/A	Condition has been removed.																																																													
91	<p>A meteorological station must be sited and operated at the premises in accordance with the Approved Methods for the Sampling and Analysis of Air Pollutants in NSW. The Applicant shall undertake the sampling and analysis of the meteorological parameters specified in table below. Sampling and analysis of meteorological parameters shall be carried out strictly in accordance with the methods and references specified in the table.</p> <table><tr><th>Parameter</th><th>Units of measure</th><th>Averaging Period</th><th>Method¹</th><th>Frequency</th></tr><tr><td>Wind Speed @ 10 m</td><td>m/s</td><td>1 hour</td><td>AM-2 & AM-4</td><td>Continuous</td></tr><tr><td>Wind Direction @ 10 m</td><td>°</td><td>1 hour</td><td>AM-2 & AM-4</td><td>Continuous</td></tr><tr><td>Sigma Theta @ 10 m</td><td>°</td><td>1 hour</td><td>AM-2 & AM-4</td><td>Continuous</td></tr><tr><td>Temperature @ 10 m</td><td>K</td><td>1 hour</td><td>AM-4</td><td>Continuous</td></tr><tr><td>Temperature @ 2 m</td><td>K</td><td>1 hour</td><td>AM-4</td><td>Continuous</td></tr><tr><td>Solar Radiation</td><td>W/m²</td><td>1 hour</td><td>AM-4</td><td>Continuous</td></tr><tr><td>Rainfall</td><td>mm</td><td>24 hours</td><td>AM-4</td><td>Continuous</td></tr><tr><td>Evaporation</td><td>mm</td><td>24 hours</td><td>Note²</td><td>Continuous</td></tr><tr><td colspan="2">Additional Requirements</td><td colspan="3">Method¹</td></tr><tr><td colspan="2">Siting</td><td colspan="3">AM-1 & AM-4</td></tr><tr><td colspan="2">Measurement</td><td colspan="3">AM-2 & AM-4</td></tr></table> <p><small>Note: ¹ All methods are specified in the Approved Methods for the Sampling and Analysis of Air Pollutants in NSW. Note: ² Method approved by the EPA in writing.</small></p>	Parameter	Units of measure	Averaging Period	Method ¹	Frequency	Wind Speed @ 10 m	m/s	1 hour	AM-2 & AM-4	Continuous	Wind Direction @ 10 m	°	1 hour	AM-2 & AM-4	Continuous	Sigma Theta @ 10 m	°	1 hour	AM-2 & AM-4	Continuous	Temperature @ 10 m	K	1 hour	AM-4	Continuous	Temperature @ 2 m	K	1 hour	AM-4	Continuous	Solar Radiation	W/m²	1 hour	AM-4	Continuous	Rainfall	mm	24 hours	AM-4	Continuous	Evaporation	mm	24 hours	Note ²	Continuous	Additional Requirements		Method ¹			Siting		AM-1 & AM-4			Measurement		AM-2 & AM-4			C	1. Meteorological station data 2. Clyde Waste Transfer Terminal Odour Audit XXXIX (2022) 3. AEMR 2020 - 2021 4. Site inspection	Meteorological station present on site. Data was also sighted on Veolia's internal document control system. Weather data calibration reports are also included in appendix B of the Odour report. Meteorological data is included in Appendix D1 of the AEMR.	
Parameter	Units of measure	Averaging Period	Method ¹	Frequency																																																													
Wind Speed @ 10 m	m/s	1 hour	AM-2 & AM-4	Continuous																																																													
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DUST MANAGEMENT																																																																	
92	The Applicant shall implement the Dust Management Plan (Construction Stage) and the approved Dust Management Plan (Operation Stage) to the satisfaction of the Director-General.	C	1. Air Quality Management Plan (MAN-14633-1) - 2021	Observations made on site and interviews with site personnel demonstrated the AQMP has been implemented on site.																																																													
93	All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of dust from the premises.	C	1. Site inspection	Site personnel interviewed confirmed that they use a street sweeper twice a day to minimise dust. The street sweeper was no working at the time of the site inspection and has been booked in for repairs, therefore, Veolia have engaged a contractor to undertake sweeping one a day. There was no evidence of dust generation at time of audit.																																																													
94	All trafficable areas and vehicle manoeuvring areas in or on the premises shall be maintained at all times in a condition that will minimise the generation or emission from the premises, of wind-blown or traffic generated dust.	C	1. Site inspection	The site was observed to be relatively neat / clean during the site inspection (very minor amount of loose waste were observed). Site personnel confirmed that this waste gets collected during daily litter patrols. Street sweeping occurs once a day by a contractor until the Veolia street sweeper is repaired then sweeping will occur twice daily.																																																													
95	Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading. (EPA)	C	1. Site inspection 2. Driver induction	All trucks observed entering and exiting the site were covered/enclosed. A hard copy of the driver induction was sighted during the site inspection which included the Do's and Don't of the site. Site personnel interviewed confirmed that this induction is now available online .																																																													
96	The Applicant must prepare and implement an Ambient Air Quality Monitoring Plan. The Plan must address, but not necessarily be limited to, the following: (a) Monitoring methodologies and standards (sampling and analysis); (b) Monitoring for concentrations of total suspended particulates (TSP) and dust deposition rates; (c) Locations where monitoring will be carried out; (d) Detailed monitoring cycle and the duration of each monitoring cycle; and (e) Reporting.	C	1. EMP - 2021 2. AQMP - 2021	The requirements of this condition are addressed in the e OEMP and AQMP.																																																													
97	Deleted Condition (DA-205-08-01-MOD-3)	NT	N/A	Condition has been removed.																																																													
AIR MONITORING																																																																	
98	Detailed records of operating conditions inside the waste terminal building shall be made coincident with any monitoring for odour or dust required by Conditions of this Consent.	C	1. Odour Audit XXXVI	Records of operating conditions are outlined in section 2 of the odour report for: - transfer terminal building - container packing area and site roadways																																																													
WATER MANAGEMENT																																																																	
99	Except as may be expressly provided by a licence under the Protection of the Environment Operations Act 1997 in relation of the development, section 120 of the Protection of the Environment Operations Act 1997 must be complied with and in connection with the carrying out of the development.	C	1. Site Inspection 2.Stormwater Management Plan (MAN-14636-1) 2021	There was no release of water offsite at the time of the site inspection. Section 4 of the SMP outlines the stormwater management measures implemented on site. This appeared to be consistent with observations made during the site inspection.																																																													
100	Any water that comes into contact with waste at the premises must be directed to the leachate collection system.	C	1. Site Inspection 2. Stormwater Management Plan (MAN-14636-1) 2021	Section 4.2 of the SMP outlines the management of leachate on site. The leachate management system is independent of the stormwater system and leachate is captured in a 32 kilolitre tanks.																																																													
101	The approved Soil and Water Management Plan must be implemented prior to and for the duration of the construction stage of the development.	NT	N/A																																																														
102	Stormwater pollution controls must be implemented prior to and for the duration of the operation of the development. The controls shall be consistent with the Stormwater Management Plan for the catchment. Where a Stormwater Management Plan has not yet been prepared the Scheme shall be consistent with the guidance contained in Managing Urban Stormwater: Council Handbook (available from the EPA). The controls shall incorporate minimum levels of treatment in the following table:	C	1. Site Inspection 2. Stormwater Management Plan (MAN-14636-1) 2021	The SMP details the control measures in place on site are in accordance with the requirements of this condition. Site personnel confirmed that a new automatic gate (on a float) has been installed in between the entry zone and Pond 1A - although this is currently not reflected in the 2021 SMP, Site personnel advised the SMP will be updated to include this detail.	CTT-DA-OFI-03																																																												

Clyde Transfer Terminal 2022 Independent Environmental Audit Determination of a Development Application for State Significant, Development Consent (205-08-01)													
Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification								
SITE CONTAMINATION													
103	The Site Contamination Management Plan must be implemented to the satisfaction of the Director-General, prior to and for the duration of the development	C	1. Site Contamination Management Plan (MAN-14637-1) 2021	Observations made on site and interviews with site personnel demonstrated the SCMP has been implemented on site.									
NOISE MANAGEMENT													
104	The Applicant shall implement the approved Construction Noise Management Plan, to the satisfaction of the Director-General.	C	1. Noise Management Plan (MAN-14638-1) 2021 2. DPE letter stating compliance 7/2/2022	NMP previously approved,.									
105	The Applicant shall implement the Noise Management Plan, to the satisfaction of the Director-General.	C	1. Noise Management Plan (MAN-14638-1) - 2021	Observations made on site and interviews with site personnel demonstrated the NMP has been implemented on site.									
106	All construction work at the premises that creates audible noise at residential premises must only be conducted between 7:00am and 5:00pm on Mondays to Fridays and between the hours of 8:00am and 5:00pm on Saturdays. There shall be no construction activities on Sundays or public holidays. The allowable construction times may be varied by an environment protection licence.	NT	N/A	Condition relates to construction phase.									
107	The delivery of construction material outside the hours of construction permitted by this Consent is not permitted except when required by police or other authorities for safety reasons; and/or because the operation, personnel or equipment are endangered. In such circumstances, notification is to be provided to the EPA and affected residents at least 24 hours prior to the delivery, or within a reasonable period in the case of an emergency.	NT	N/A										
108	Deleted Condition (DA-205-08-01-MOD-3)	NT	N/A	Condition has been removed.									
109	Deleted Condition (DA-205-08-01-MOD-3)	NT	N/A	Condition has been removed.									
110	Deleted Condition (DA-205-08-01-MOD-3)	NT	N/A	Condition has been removed.									
111	Deleted Condition (DA-205-08-01-MOD-3)	NT	N/A	Condition has been removed.									
112	The Applicant shall implement a Heavy Vehicle Noise Monitoring Management Program for the development to the satisfaction of the Planning Secretary. This program must; (a) monitor heavy vehicle noise on site, in accordance with the methods outlined in the “Truck Noise Monitoring – Proposed Test and Management Plan” prepared by Heggies and dated 26 May 2008: (b) be undertaken quarterly for a year starting in October 2008, and annually thereafter, unless otherwise agreed by the Planning Secretary (c) measure at least 25% of the heavy vehicles visiting the site; (d) identify heavy vehicles exceeding the relevant noise criteria specified in Australian Design Rule 28/01, or its successor, and ensure that the owners of these subsequently comply with the relevant noise criteria (e) report the number of non-compliant heavy vehicles identified and the actions undertaken to address these non-compliances in the Annual Environmental Monitoring Report; and (f) be amended, should the monitoring activities not achieve the aim of the program to the satisfaction of the Planning Secretary	C	1. Environmental Monitoring Plan - 2021 2. Annual Truck Noise Measurements (Report 16)	A review of the 2022 Annual Truck Measurements (Report 16) and the EMP demonstrated compliance with the requirements of this condition: a) The introduction of the Truck noise measurements report includes a statement that monitoring has been completed in accordance with the proposed test management plan developed by Heggies b) The noise monitoring is undertaken on an annual basis (annual reports are available to eh Veolia CTT website) c) The noise measurement results section of the report outlines that a total measurement of 41.5% of all truck movements was achieved in the monitoring round d) Noise criteria is outlined in Table 1 of the report. Individual noise levels outlined in Table 2. e) No non-conformances were identified f) N/A Interviews with site personnel confirmed that most of the noisy activities occur during daytime hours: most waste is processed through the day, the afternoon shift finishes processing around 5:30pm, cleaning of compactors and then occurs and at approx. 9:30pm the train is stripped and reloaded.									
113	The Applicant shall implement an induction program for all drivers of trucks that deliver waste to the waste terminal with the objective of mitigating noise impacts of trucks entering and leaving the waste terminal, including driving procedures and throttle management. The program is to be designed in consultation with Auburn Council and is to emphasise the importance of noise emission control, driving and operating practices and procedures for night time activities.	C	1. Online induction program 2. Training records 3. Audit Interviews	A hard copy of the driver induction was sighted during the site inspection which included the Do's and Don't of the site. Site personnel interviewed confirmed that this induction is now available online. This conditions was identified as an OFI in the 2021 IEA with an action to implement the online driver induction process across the CTT customer base. Site personnel confirmed that his has been implemented and screen shots of the induction were sighted during the audit interviews.									
114	The Applicant shall, in conjunction with the rail operator, implement an induction program for all train drivers and other rail staff dedicated to transporting containers to and from the Collex terminal area by train to Woodlawn. The program is to emphasise noise mitigation measures through "Good Neighbour" rail techniques such as notch control, idling practices, shunting speeds and engine control and shall form an integral part of the operational noise management plan. <table><tr><th>Development component</th><th>Minimum level of stormwater treatment</th></tr><tr><td>Undeveloped sections of access road</td><td>Existing overland flow to Duck River</td></tr><tr><td>Roof water</td><td>On-site detention</td></tr><tr><td>Gatehouse and weighbridge area, carpark, access road and container loading area adjacent to the compaction units</td><td>First flush system, GPT, oil and grease separation, on-site detention</td></tr></table>	Development component	Minimum level of stormwater treatment	Undeveloped sections of access road	Existing overland flow to Duck River	Roof water	On-site detention	Gatehouse and weighbridge area, carpark, access road and container loading area adjacent to the compaction units	First flush system, GPT, oil and grease separation, on-site detention	NC	1. Audit Interviews 2. Request for modification to consent conditions (14/3/2022)	Interviews with site personnel confirmed that this condition is not achievable as it is out of their scope /control. The trains are owned/operated by Pacific National who have their own training /induction packages. This conditions was identified as a NC in the 2021 IEA with an action to request that this condition be amended. Veolia submitted a request for modification to consent conditions (14/3/2022) requesting that the condition be changed. The request included the following: - Condition number and detail - Details of the requested change - Justification for the requested change Site personnel advised that as part of this open modification request, a consultant has been engaged to undertake the EIS in order to fulfil the requirements of this consent modification application. The EIS will be submitted to the DPE upon completion.	CTT-DA-NC-03
Development component	Minimum level of stormwater treatment												
Undeveloped sections of access road	Existing overland flow to Duck River												
Roof water	On-site detention												
Gatehouse and weighbridge area, carpark, access road and container loading area adjacent to the compaction units	First flush system, GPT, oil and grease separation, on-site detention												

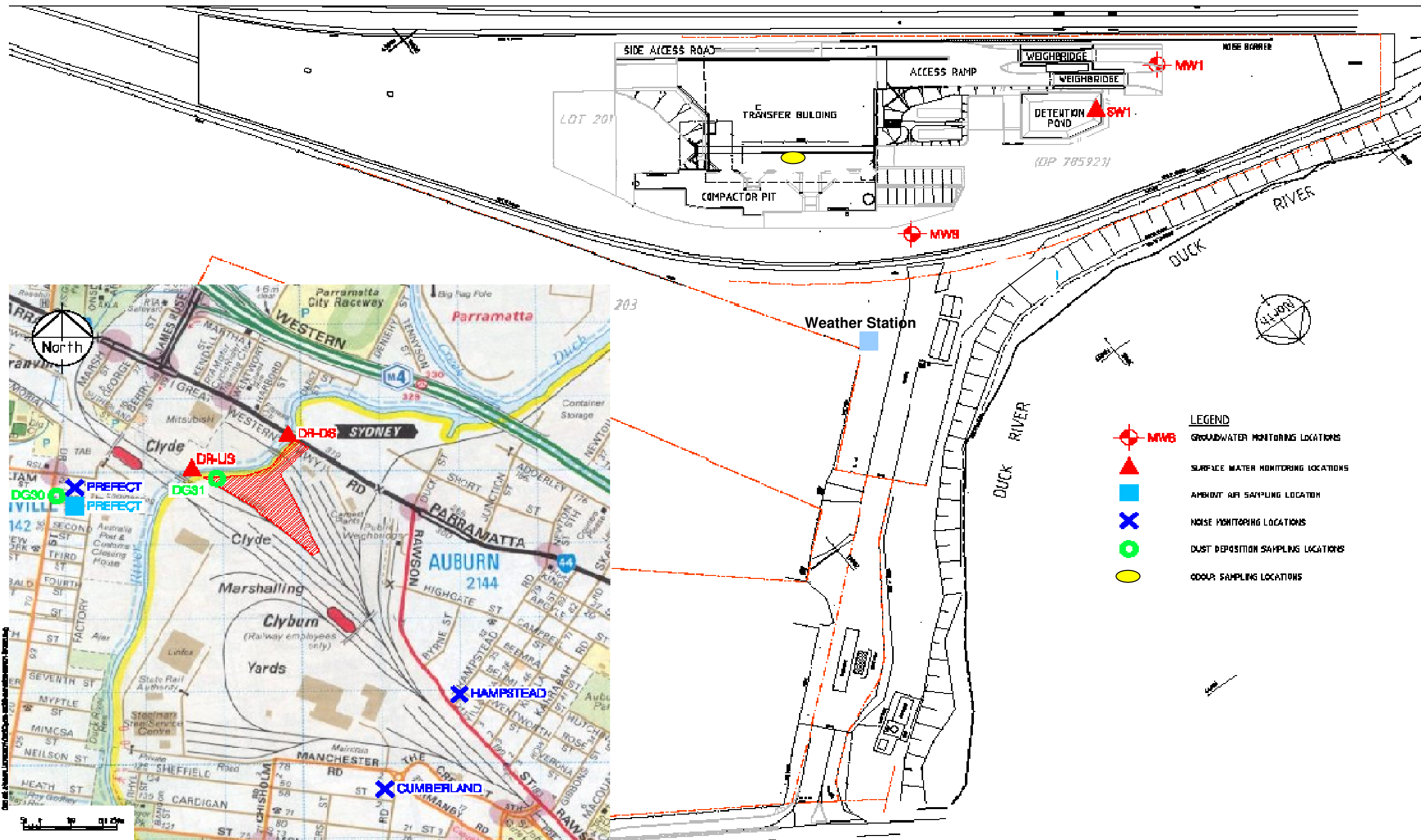
<p style="text-align: center;">Clyde Transfer Terminal 2022 Independent Environmental Audit Determination of a Development Application for State Significant, Development Consent (205-08-01)</p>					
Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
VERMIN AND PEST MANAGEMENT					
115	The design of the terminal building and associated waste handling facilities shall incorporate such reasonable measures to eliminate or minimise the potential for birds, rodents, flies and other pests to congregate at the development. Consideration shall be given to incorporating the following measures: (a) sealing surfaces to prevent moisture and odour absorption (b) elimination of crevices where waste, moisture and vermin can accumulate (c) providing screening of the ventilation openings in the building (d) eliminating horizontal surfaces where birds can congregate (e) minimising horizontal ledges where dust and litter can accumulate (f) using fencing and netting to prevent wind-blown litter from escaping.	NT	N/A	This condition relates to design. It was noted that there were several measures in place to minimise the presence of vermin and pests.	
116	The Vermin and Pest Management Plan must be implemented for the duration of the operation of the development, to the satisfaction of the Director-General.	C	1. Vermin and Pest Control Plan (MAN-14635-1) - 2021 2. Site inspection	Observations made on site and interviews with site personnel demonstrated the VPMP has been adequately implemented on site.	
117	The Applicant must take all practicable measures to prevent the attraction and infestation of the premises with vermin and pests.	C	1. Pest contractor inspection records 2. Vermin and Pest Control Plan (MAN-14635-1) - 2021	All reasonable and practical measures to prevent the attraction and infestation of vermin/pests was observed on site: - Bait stations present on site - Bird nets located on the roof of the terminal shed and the site offices - Electric Bird Deterrent System (Avishock) installed (confirmed that the solar system for this is due for a service) - Good housekeeping across the site - The time waste remains on the terminal floor is kept to a minimum - Litter patrols occur daily - Regular cleaning of the site occurs Pest contractor records were sighted during the site inspection.	
TRAFFIC MANAGEMENT					
118	All access to the development shall be via a sealed access road from Parramatta Road. No vehicle shall enter or exit the development via the internal road connecting the Clyde Marshalling Yards to Rawson Street	C	1. Site Inspection	The site access road from Parramatta Road is sealed. All vehicles entering the site were observed to be via this road during the site inspection.	
119	No vehicle is permitted to turn right into the site off Parramatta Road until the intersection upgrade works have been completed to the satisfaction of Cumberland Council and Roads and Maritime Services (RMS).	C	1. Site Inspection	No vehicles were observed to be turning right into the site from Parramatta Road at the time of the site inspection. This requirement was also reflected in the site induction and traffic management plan.	
119A	Prior to the commencement of construction of the intersection upgrade works, the design of the intersection must be prepared in consultation with and to the satisfaction of Cumberland Council and RMS. The intersection design must accommodate the largest vehicle associated with the development as follows: (a) turning right into the development from Parramatta Road (e.g. 12.5 metre rigid waste trucks); (b) turning left into the development from Parramatta Road (e.g. semi trailers); and (c) turning left out of the development onto Parramatta Road (e.g. semi trailers).	NT	N/A	Condition relates to pre-construction	
119B	All intersection works must be to the full cost of the Proponent and at no cost to RMS or Cumberland Council	NT	N/A	Condition relates to construction phase	
119C	The intersection upgrade works along Parramatta Road/private access road must be designed to meet RMS requirements, and endorsed by a suitable qualified practitioner. The design requirements must be in accordance with AUSTRROADS and other Australian Codes of Practice. The certified copies of the civil design plans must be submitted to RMS for consideration and approval prior to the release of the Construction Certificate by the Principle Certifying Authority and commencement of road works	NT	N/A	Condition relates to construction phase	
119D	The Proponent is required to enter into a Work Authorisation Deed (WAD) for the intersection works.	NT	N/A	Condition relates to construction phase	
119E	Within 6 months of commencement of right-turn movements into the site, a road safety audit (RSA) must be undertaken for the intersection of Parramatta Road and the private access road by a suitably qualified, independent professional. The results of the RSA, including a program for the implementation of any audit recommendations, must be submitted to Cumberland Council and RMS for consideration and review within 60 days of completion of the audit.	NT	N/A	Site has been operational for longer than 6 months	
120	No vehicle exiting the development shall turn right onto Parramatta Road.	C	1. Site Inspection	No vehicles were observed to be turning right onto Parramatta Road from the site at the time of the site inspection.	
121	The Traffic Management Plan must be implemented for the duration of the operation of the development, to the satisfaction of the Director-General.	C	1. TMP - 2021	Observations made on site and interviews with site personnel demonstrated the TMP has been adequately implemented on site.	
122	Prior to the commencement of construction activities, the Applicant shall demonstrate to the satisfaction of the Director-General, it has reasonable arrangements in place in respect of its use of the right of carriageway, concerning traffic sharing, protection of underground and above-ground services in the vicinity of the carriageway and the potential impacts on the existing weighbridge.	NT	N/A	Condition relates to pre-construction	
123	Deleted Condition (DA-205-08-01-MOD-5)	NT	N/A	Condition removed	
124	The Applicant shall fund a traffic study, to be conducted by an independent, suitably qualified person. The study is to be completed and submitted to the Director-General within 14 months from commencement of operations, review the operation of the access road in the first 12 months of the development and recommend any future actions to ensure sufficient future capacity of the access road. The Applicant shall provide a reasonable financial contribution towards any upgrade of the access road recommended by the study.	NT	N/A	Site has been operational for longer than 14 months	

<p style="text-align: center;">Clyde Transfer Terminal 2022 Independent Environmental Audit Determination of a Development Application for State Significant, Development Consent (205-08-01)</p>					
Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
EMERGENCY MANAGEMENT					
Emergency Management Plan					
125	In relation to activities, which in the event of a disruption to operations may result in significant pollution being emitted, the Applicant must: (a) conduct an assessment to determine the potential internal and external causes of disruption of operations at the premises; (b) determine how these disruptions would impact on operations; and (c) identify the pollution that would result due to the disruption of operations and what impact the pollution would have on the health of the community and the environment.	C	1. Emergency Response Plan (ERP) - 18/12/2022	A review of the ERP confirmed that the requirements of this condition have been addressed.	
126	In relation to matters identified in the previous condition, the Applicant must prepare an Emergency Management Plan. The Plan shall address, but not necessarily be limited to: (a) identification of threats to the environment and/or public health that could arise in relation to the construction and operation of development. These threats may include fire, overflow, power or other utility failure, natural disaster etc; (b) identification of strategies to minimise and ameliorate the effects of any water pollution identified from the groundwater and surface water monitoring programs; (c) an estimate of the cost of implementation; (d) actions to effectively respond to the disruption of operations so the risk of pollution is minimised; (e) a communications strategy for alerting relevant agencies and the potentially affected community in the event of the disruption to operations leading to significant pollution; and (f) ensuring that all relevant employees are familiar with the emergency management plan.	C	1. ERP - 2021 2. Clyde Transfer Terminal PIRMP Test (debrief) 8/12/2022	A review of the ERP confirmed that the requirements of this condition have been addressed: a) Threats t the environment/public health are outlined in section 6 b) An inventory of potential pollutants and how they are managed to minimise impacts is outlined in Section 1.1.2 c) Cost implications are outlined in a table in section 2 d) Incident response actions are outlined in section 6 e) Emergency communications are outlined in section 7 f) All staff undergo site inductions which includes ERP. A drill to test the hot load procedures, ERP, spill response and the pollution incident response Management Plan (PIRMP) was undertaken on 8/12/2022 to confirm the adequacy of the plans and the implementation of the plans. A copy of the emergency drill debrief was sighted during the sit inspection and audit interviews.	
127	The Applicant shall consult with the NSW Fire Brigades and install a fire main and hydrants as required by the Fire Brigades. The system shall comply with AS 2419.	NT	N/A	Condition has been removed.	
LANDSCAPING					
128	The Applicant shall implement the Landscaping Plan in consultation with Auburn Council and to the satisfaction of the Director-General.	NT	N/A	Landscaping works previously completed.	
DEVELOPMENT SETBACK					
129	The Applicant shall not construct any new buildings, hardstand, storage areas or vehicle manoeuvring areas within 30 metres of the Duck River Mean High Water Mark (as measured horizontally), to allow for the establishment of a viable riparian zone and multi-purpose recreation path.	NT	N/A	No new buildings have been constructed within the audit period	
RIPARIAN RESTORATION					
130	The Applicant shall prepare at its own expense a site specific Riparian Zone Management Plan to address the issues contained in Auburn's draft Duck River Riparian Management Plan. The Plan shall be submitted to Auburn Council's Director Service Planning prior to the issue of the Occupation Certificate, or as otherwise agreed to by Auburn Council. Any riparian restoration activities undertaken by the Applicant shall, where appropriate, be consistent with but not necessarily limited to the activities listed in Attachment 3.	C	1. Audit interviews	The proposed riparian / public space zone located between Duck River and the Clyde TT is owned by Council Site personnel confirmed that they have previously contacted Council to collaborate on the Duck River Riparian management, however there has been no response to date. No riparian restoration activities have been undertaken to date.	
DUCK RIVER ACCESSWAY					
131	The Applicant shall facilitate as appropriate and as required by the Director-General, the provision of a 3.0 metre wide reinforced concrete multi-purpose recreation path along the landward side of a 30 metre riparian/public open space dedication zone between the proposed development and Duck River, extending from Parramatta Road to the base of the Clyde railway bridge, along the edge of the development.	C	1. Audit interviews	The proposed riparian / public space zone located between Duck River and the Clyde TT is owned by Council Interviews with site personnel confirmed that they have previously contacted Council to collaborate on the Duck River Riparian management, however there has been no response to date. It was also confirmed that this footpath has not been installed.	
LAND DEDICATION					
132	The Applicant shall facilitate as appropriate and as required by the Director-General and/or contribute to the dedication to Auburn Council of land incorporating the riparian restoration zone and multi-purpose recreation path between the proposed development and Duck River, extending from Parramatta Road to the base of the Clyde railway bridge, along the edge of the development.	C	1. Audit interviews 2. Email correspondence with Council	Interviews with site personnel confirmed that they have previously contacted Council to collaborate on the Duck River Riparian management, however there has been no response to date.	
HERITAGE					
133	The Applicant shall contribute to the development and installation of heritage interpretation signage in consultation with Auburn Council, regarding the heritage significance of the Clyde Marshalling Yards and in particular Track 22 and associated pre-use of the area occupied by the development. The heritage signage is to be approved by Auburn Council and installed within 6 months of commencement of the approved use or as otherwise agreed to by Auburn Council.	NT	N/A	It was noted during the site inspection that there was no heritage signage present.	

<p style="text-align: center;">Clyde Transfer Terminal 2022 Independent Environmental Audit Determination of a Development Application for State Significant, Development Consent (205-08-01)</p>					
Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
COMMUNITY LIASON					
Community Consultative Committee					
134	The Proponent must make all reasonable attempts to establish and maintain a Community Consultative Committee generally in accordance with the Community Consultative Committee Guidelines for State Significant Projects, unless otherwise agreed to in writing by the Planning Secretary. The Proponent must submit a report to the Department every 12 months documenting its progress in establishing and maintaining the Community Consultative Committee over time.	C	1. Veolia CTT website 2. Audit Interviews 3. Community Newsletter	Interviews with site personnel identified that there was very little success/interest in the Community Consultative Committee. DPE provided a resource to assist with developing a community group, however there was little to no interest. Veolia also conducted door knocks and held a community day which had no interest from the community. Veolia sent a letter to DPE stating that his condition was not achievable. Alternative measures have been implemented which include: - Community newsletter - Dedicated website that includes details for where the community can provide feedback (phone number and email address). Site personnel advised that as part of this open modification request, a consultant has been engaged to undertake the EIS in order to fulfil the requirements of this consent modification application. The EIS will be submitted to the DPE upon completion	CTT-DA-OFI-04
135	The Applicant shall, at its own expense: (a) provide appropriate facilities for meetings of the Committee; (b) nominate a representative to attend all meetings of the Committee; (c) provide to the Committee regular information on the progress of the work and monitoring results; (d) promptly provide to the Committee such other information as the Chairperson of the Committee may reasonably request concerning the environmental performance of the development; and (e) provide reasonable access for site inspections by the Committee.	C	N/A	Refer to audit findings for condition 134. Given there is no Consultative Committee, the requirements of this condition are not considered applicable. Site personnel advised that as part of this open modification request, a consultant has been engaged to undertake the EIS in order to fulfil the requirements of this consent modification application. The EIS will be submitted to the DPE upon completion	CTT-DA-OFI-05
136	The Applicant shall establish a trust fund to be managed by the Chairperson of the Committee to facilitate functioning of the Committee, and pay \$2000 per annum to the fund for the duration of the development. The payment shall be indexed according to the Consumer Price Index (CPI) at the time of payment. The first payment shall be made by the date of the first Committee meeting. The Applicant shall also contribute reasonable funds for payment of the independent Chairperson, to the satisfaction of the Director-General.	C	1. IEA Interview 2. Meeting minutes between Veolia and DPE 3. Request for modification to consent conditions (14/3/2022)	The Community Consultative Committee was unsuccessful, therefore providing funds does not serve any purpose. Recommended that Veolia consider request this condition be removed under a modification the consent. This conditions was identified as an OFI in the 2021 IEA with an action to request that this condition be amended. Veolia submitted a request for modification to consent conditions (14/3/2022) requesting that the condition be changed. The request included the following: - Condition number and detail - Details of the requested change - justification for the requested change	
COMMUNITY ENHANCEMENT PROGRAM					
137	Prior to the commencement of construction, or as otherwise approved by the Director-General in consultation with Auburn Council, the Applicant shall take all reasonable steps to negotiate an agreed outcome with Auburn Council for an appropriate level of contribution (financial or in-kind) towards mitigating the social and community impacts resulting from the construction and operation of the development. The contribution shall provide, but not necessarily be limited to, the following: (a) the payment of \$50,000 (unless otherwise agreed to by the Director-General) to Auburn Council as a contribution to the drafting of a masterplan for the entire Clyde Marshalling Yards (b) appropriate monetary lump sum contributions to be negotiated with Auburn Council for the purposes of: '- the widening of the Western Overbridge; - establishing a vegetated riparian restoration zone along the eastern bank of Duck River from Parramatta Road to the Clyde railway bridge; - establishing a multi-purpose recreation path adjacent to the riparian zone from Parramatta Road to the Clyde railway bridge; and - the development and installation of heritage interpretation signage along the multi-purpose recreation path regarding the heritage significance of the Clyde Marshalling Yards and in particular Track 22 and associated pre-use of the area occupied by the development. (c) ongoing or as otherwise agreed to financial contributions proportional to the tonnage throughput of the terminal for the purpose of local community enhancement projects and/or activities in accordance with a community enhancement plan to be prepared by Auburn Council to reflect community priorities and needs. Should such a negotiated outcome not be reached, the Applicant shall abide by the requirements of the Director-General concerning community enhancement contribution in light of an independent investigation to establish such contribution. Such investigation is to be carried out by an independent person(s) to be appointed by the Director-General in consultation with the Applicant and Auburn Council. The commencement of any construction on-site shall not proceed unless the above outcomes have been agreed or otherwise approved by the Director-General in consultation with Auburn Council.	NT	N/A	Condition relates to pre-construction	

Clyde Transfer Terminal 2022 Independent Environmental Audit Determination of a Development Application for State Significant, Development Consent (205-08-01)					
Condition Ref	Requirement (Exact Wording)	Audit Findings	Evidence Reviewed	Independent IEA Findings	Unique Identification
Elements to be addressed in the Environmental Management Plan (Construction Stage) and the Environmental Management Plan (Operation Stage)					
Attachment 1	The EMP (Construction Stage) and EMP (Operation Stage) shall address but not be limited to: 1. identification of the statutory and other obligations which the Applicant is required to fulfil during construction stage including all approvals and consultations/agreements required from authorities and other stakeholders, and key legislation and policies which control the Applicant's implementation of the development 2. periodic or otherwise revision of the EMP to address changed or evolving circumstances 3. definition of the role, responsibility, authority, accountability and reporting of all personnel relevant (including sub-contractors) to compliance with the construction EMP 4. measures to avoid the occurrence of adverse environmental impacts 5. induction and training of all personnel (including sub-contractors) to ensure compliance with the construction EMP 6. the role of the EMR 7. measures to provide positive environmental offsets to unavoidable adverse environmental impacts 8. environmental management procedures for all construction processes which are important for the quality of the environment in respect of permanent and/or temporary works 9. monitoring, inspection and test plans for all activities and environmental qualities which are important to the environmental management of the project including performance criteria, specific tests, protocols (e.g. frequency and location) and procedures to follow including procedures for notifying all relevant authorities should non-compliance with any limits or performance standards specified in the construction EMP arise 10. environmental management instructions for all complex environmental control processes which do not follow common practice or where the absence of such instructions could be potentially detrimental to the environment 11. requirements to undertake environmental audits to ensure that the construction EMP is working and steps the Applicant intends to take to ensure that all plans and procedures are being complied with 12. delegation of responsibilities for compliance with the EMP and relevant environmental statutes 13. community consultation and notification strategy (including the local community and all relevant authorities) and complaint handling procedures 14. project records to be maintained to provide objective evidence of the level of compliance with the construction EMP.	C	1. OEMP - 2021 2. OEMP Sub-Plans - 2021	A review of the 2021 OEMP and its subplans confirmed they meet the requirements of this condition.	

Appendix C - Environmental Monitoring Locations Plan



REV	NO	DATE	DESCRIPTION	APPROVED
1	1	2010	ISSUED FOR TENDERS	

Notes concerning the site plan and drawings are contained in the site plan, particularly those relating to the proposed development, and are to be read in conjunction with the site plan and drawings.

Typical dimensions are provided as indicated in the site plan.

NOTES

1. The site plan and drawings are to be read in conjunction with the site plan and drawings.

2. The site plan and drawings are to be read in conjunction with the site plan and drawings.

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DESIGN	PREPARED	DESIGNED	APPROVED
DATE	2010		DATE

Maunsell

Maunsell Australia Pty Ltd

2010

Consulting Engineers, Planners, Environmental Scientists & Project Managers

WOODLAWN ALLIANCE

CLYDE TRANSFER TERMINAL CLYDE SITE MONITORING LOCATIONS	
SKETCH	104-07001-SK895 1

Appendix D - Monitoring Data

Appendix D1 - Meteorological Data

6/1/2023

Anea Ressos
Veolia Environmental Services (Australia) Pty Ltd

Re – Quarterly service of weather stations

Dear Anae,

As per our service agreement, on the 14/10/22 HS undertook the service, calibration and maintenance of the weather stations located at the Horsley Park and Clyde sites. Field

were obtained by a combination of a Kestral 3500, compass, Monitor Solar Radiation field unit and HS TBRG calibration device. Details are as follows:

[Horsley Park 6/1/23](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	16.8	16.8
2m*	16.8	16.9
Relative Humidity*	84.9	85.7
Wind Speed	1.7 m/s at ground	2.4 m/s at 10 metres
Wind Direction	220	220
Solar Radiation	55	57
TBRG	10mm	20 tips
Battery/Solar	13.4	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0730 EST as these were testing.

Additional Items

1. Solar panel and components cleaned. All components were very dirty.
2. Installation sprayed for insects.
3. Guy wires checked.

[Clyde 6/1/23](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	16.0	16.1
2m*	16.0	15.9
Relative Humidity*	88.0	87.1
Wind Speed	2.0 m/s at ground (poor exposure at ground)	2.4 m/s at 10 metres.

Wind Direction	250	250
Solar Radiation	150	151
TBRG	10mm	20 tips
Battery/Solar	12.6	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0945 EST as these were testing.

Additional Items

1. All components cleaned.
2. Installation sprayed for insects.

Both sites are now polled weekly by HS and data is downloaded and available on the HS website.

Should you require any further information on this report please do not hesitate to contact me on 0420316459.

Phil Evison.

Hydrometric Services Pty Ltd
 ABN 32655577567
 Mob 0420316459
 Email phil@hydrometric.com.au
www.hydrometric.com.au

06/4/2022

Mary Wong
Veolia Environmental Services (Australia) Pty Ltd

Re – Quarterly service of weather stations

Dear Mary,

As per our service agreement, on the 4/4/22 HS undertook the service, calibration and maintenance of the weather stations located at the Horsley Park and Clyde sites. Field readings were obtained by a combination of a Kestral 3500, compass, Monitor Solar Radiation field unit and HS TBRG calibration device. Details are as follows:

[Horsley Park 04/04/2022](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	18.0	17.8
2m*	18.0	17.6
Relative Humidity*	61.0	60.5
Wind Speed	0.4 m/s at ground	0.43 m/s at 10 metres
Wind Direction	300	300
Solar Radiation	310	307
TBRG	10mm	20 tips
Battery/Solar	14.3	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0800 EST as these were testing.

Additional Items

1. Solar panel and components cleaned. All components were very dirty.
2. Installation sprayed for insects.
3. Guy wires checked.

[Clyde 04/04/2022](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	23.0	22.8
2m*	23.0	22.7
Relative Humidity*	39.4	38.7
Wind Speed	1.0 m/s at ground (poor exposure at ground)	1.5 m/s at 10 metres.

Wind Direction	250	250
Solar Radiation	660	670
TBRG	10mm	21 tips
Battery/Solar	13.1	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0920 EST as these were testing.

Note 3: Ant infestation in TBRG, clean and spray, repair faulty switch.

Additional Items

1. All components cleaned.
2. Installation sprayed for insects.

Both sites are now polled weekly by HS and data is downloaded and available on the HS website.

Should you require any further information on this report please do not hesitate to contact me on 0420316459.

Phil Evison.

7/7/2022

Anea Ressos
Veolia Environmental Services (Australia) Pty Ltd

Re – Quarterly service of weather stations

Dear Anae,

As per our service agreement, on the 7/7/22 HS undertook the service, calibration and maintenance of the weather stations located at the Horsley Park and Clyde sites. Field readings were obtained by a combination of a Kestral 3500, compass, Monitor Solar Radiation field unit and HS TBRG calibration device. Details are as follows:

[Horsley Park 7/7/22](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	13.9	13.9
2m*	13.9	13.9
Relative Humidity*	81.0	81.2
Wind Speed	3.0 m/s at ground	4.3 m/s at 10 metres
Wind Direction	220	220
Solar Radiation	40	37
TBRG	10mm	20 tips
Battery/Solar	13.2	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0740 EST as these were testing.

Additional Items

1. Solar panel and components cleaned. All components were very dirty.
2. Installation sprayed for insects.
3. Guy wires checked.

[Clyde 7/7/22](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	15.1	15.4
2m*	15.1	15.2
Relative Humidity*	79.5	79.3
Wind Speed	2.3 m/s at ground (poor exposure at ground)	4.1 m/s at 10 metres.

Wind Direction	200	200
Solar Radiation	160	175
TBRG	10mm	21 tips
Battery/Solar	12.6	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0845 EST as these were testing.

Note 3: Replace switch on TBRG

Additional Items

1. All components cleaned.
2. Installation sprayed for insects.

Both sites are now polled weekly by HS and data is downloaded and available on the HS website.

Should you require any further information on this report please do not hesitate to contact me on 0420316459.

Phil Evison.

14/10/2022

Anea Ressos
Veolia Environmental Services (Australia) Pty Ltd

Re – Quarterly service of weather stations

Dear Anae,

As per our service agreement, on the 14/10/22 HS undertook the service, calibration and maintenance of the weather stations located at the Horsley Park and Clyde sites. Field readings were obtained by a combination of a Kestral 3500, compass, Monitor Solar Radiation field unit and HS TBRG calibration device. Details are as follows:

[Horsley Park 14/10/22](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	24.1	23.02
2m*	24.1	23.9
Relative Humidity*	39.0	37.0
Wind Speed	3.0 m/s at ground	4.5 m/s at 10 metres
Wind Direction	270	270
Solar Radiation	860	859
TBRG	10mm	20 tips
Battery/Solar	14.2	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 1045 EST as these were testing.

Additional Items

1. Solar panel and components cleaned. All components were very dirty.
2. Installation sprayed for insects.
3. Guy wires checked.

[Clyde 14/10/22](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	24.0	23.9
2m*	24.0	23.5
Relative Humidity*	40.0	39.0
Wind Speed	3.0 m/s at ground (poor exposure at ground)	4.2 m/s at 10 metres.

Wind Direction	260	260
Solar Radiation	250	260
TBRG	10mm	20 tips
Battery/Solar	12.6	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0945 EST as these were testing.

Note 3: TBRG had been knocked over. Repaired.

Additional Items

1. All components cleaned.
2. Installation sprayed for insects.

Both sites are now polled weekly by HS and data is downloaded and available on the HS website.

Should you require any further information on this report please do not hesitate to contact me on 0420316459.

Phil Evison.

Appendix D2 - Odour Monitoring Data



VEOLIA (AUSTRALIA) PTY LTD

Clyde Waste Transfer Terminal

Odour Audit XXXIX

Final Report

June 2022

THE ODOUR UNIT PTY LTD

ABN 53 091 165 061
ACN 091 165 061

Level 3, Suite 12
56 Church Avenue
MASCOT, NSW 2020
P: +61 2 9209 4420

THE ODOUR UNIT (QLD) PTY LTD

ABN 87 102 255 765
ACN 102 255 765



2/57 Neumann Rd
CAPALABA, QLD 4157
P: +61 7 3245 1700
F: +61 7 3245 1800

E: info@odourunit.com.au

W: www.odourunit.com.au

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Project Number: N1473L

Report Revision		
Revision Number	Date	Description
Initial Draft Report	28.07.2022	Pending documentation from Client
Draft Report	27.10.2022	Draft report issued to the Client
Final Report	27.11.2022	Final report issued to the Client
Report Preparation		
Report Prepared By:	Approved By:	
		
Isaac Farrugia B. Eng (Chem) Consultant Engineer	Michael Assal MEngSc, B. Eng (Hon)/B. Sc., AMIChemE, MIEAust, CAQP Operations Manager	
Report Title: Veolia (Australia) Pty Ltd Clyde Waste Transfer Terminal – Odour Audit XXXIX		

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APPENDIX B: Weather Data Calibration Reports (January 2022 & April 2022)

APPENDIX C: Field Ambient Odour Assessment Plot and Field Sheet (8 June 2022)

LIST OF ABBREVIATIONS AND DEFINITIONS

FAOA	Field Ambient Odour Assessment
HCS	Hydrometric Consulting Services
the Draft OEMP	The draft version of the <i>Operational Environmental Management Plan</i> dated 6 November 2020
the February 2010 OMP	Odour Management Plan dated February 2010
the Odour Audit	Odour Audit XXXIX covering the six months between 25 November 2021 and 8 June 2022
the September 2017 Container Preparation Document	Waste container preparation requirements for the Site
the September 2017 NSW RR Container Document	<i>NSW Resource Recovery – Container Maintenance</i> dated 15 September 2017
the Site	Veolia Clyde Transfer Terminal
TOU	The Odour Unit Pty Ltd
TTB	Transfer Terminal Building
Veolia	Veolia (Australia) Pty Ltd

UNITS OF MEASUREMENTS

°C	degrees Celsius
m/s	metres per second

1 INTRODUCTION

The Odour Unit Pty Ltd (**TOU**) was commissioned by Veolia (Australia) Pty Ltd (**Veolia**) to undertake the thirty-ninth (**XXXIX**) Odour Audit at the Clyde Transfer Terminal (the **Site**). The visit was undertaken on 8 June 2022 and is part of an on-going six-monthly odour audit surveillance program that has been completed since the commissioning of the forced air extraction system at the Site.

1.1 ODOUR AUDIT PERIOD

Odour Audit XXXIX covers the period between 25 November 2022 and 8 June 2022 (the **Odour Audit**).

1.2 ODOUR AUDIT REQUIREMENTS

The Odour Audit requirements originate from the *Conditions of Consent – 48(f)* and are outlined as follows:

“48. The Odour Management Plan must address, but is not necessarily limited to, the following issues:

(f) An odour audit program which provides for a comprehensive odour audit of the premises and nearby commercial and residential areas, by an independent, appropriately qualified and experienced person, to be conducted 3-monthly for the initial 24 months of receiving un-containerised waste at the terminal, 3-monthly for the 12 months following commissioning the odour control system subject to MOD-133-11-2006, and 6-monthly thereafter, unless otherwise approved in writing by the Director-General.”

As with previous odour audits, Odour Audit XXXIX focused on issues relating to general housekeeping, fugitive odour emissions from the transfer building, ground level odour impacts, meteorological monitoring, complaints handling, and actions on past odour audit recommendations. Specifically, the Odour Audit approach included:

- A general inspection and smoke testing of the transfer building;
- The inspection of the container packing area and site access roads;
- The examination of the complaint register;
- The review of the on-site meteorological data log and equipment maintenance/calibration;
- The analysis of relevant documentation relating to odour management; and
- The undertaking of an off-site downwind Field Ambient Odour Assessment (**FAOA**) survey.

1.3 PREVAILING WEATHER CONDITIONS

At the time of the Odour Audit visit, the prevailing weather conditions were light (1.0 – 3.0 metres per second (**m/s**)) wind speeds with the local wind direction blowing predominantly from the northwest. The skies were clear and the ambient temperature during the Odour Audit visit was between 13 and 18 degrees Celsius (**°C**) during the Odour Audit visit. No rainfall was observed during the Odour Audit visit.

2 ODOUR AUDIT FINDINGS

2.1 ASSESSMENT OF GENERAL HOUSEKEEPING

2.1.1 Transfer Terminal Building

During the Odour Audit visit, there were approximately 130-160 tonnes of waste on the floor. This tonnage is within the normal operating range of the Transfer Terminal Building (TTB). The TTB floor area not covered by waste material was observed to be reasonably clean, with little evidence of leachate or aged material. General housekeeping procedures of the TTB were good, as found during several truck-unloading sequences. It was also observed that the TTB's front-end loaders cleared the floor area of waste on a regular basis, minimising the exposed area of waste.

As with previous audits, and consistent with TOU's experience at other waste transfer stations, there was a weak to distinct level of odour observed within the TTB. A photo of the waste on the floor as found during the Odour Audit visit is shown in Photo 2.1.



Photo 2.1 – TTB waste on-floor as found on 8 June 2022 (during a smoke test)

2.1.2 Container Packing Area and Site Roadways

The container packing area and site roadways were found to be clean and well managed with no evidence of waste or exposed leachate. Like previous odour audits, the container compacting/train packing area had a weak to distinct odour that was intermittently detectable but was confined to this area only (refer to **Appendix B** for FAOA results). TOU was advised by a Veolia personnel that one of the two compactors

were in operation at the time of the Odour Audit visit. The general housekeeping around this area was observed to be of high quality, with no evidence to suggest otherwise.

As with previous Odour Audits, the containers are cleaned off-site at Veolia's Woodlawn Bioreactor Facility before being returned to the Site. The weight of each container is monitored to determine if there is any waste that has not been removed completely from each container, which in turn reduces the likelihood of the containers contributing to the Site's odour levels.

2.1.2.1 Container Management and Maintenance

Based on previous verbal discussions with the Veolia team and observations made during the visit, the Odour Audit finds that Veolia continues to implement the policies and procedures as outlined in the following documents:

- The container management and maintenance procedures titled *NSW Resource Recovery – Container Maintenance* dated 15 September 2017 (the **September 2017 NSW RR Container Document**), which details the following:
 - The design of the containers;
 - The maintenance and management of the activated carbon filter retrofitted to the containers;
 - The container management procedure; and
 - The container maintenance procedure.
- The waste container preparation requirements for the Site (the **September 2017 Container Preparation Document**), which details the following:
 - The inspections and actions to be undertaken by operators to enable containers to be prepared to an acceptable standard;
 - The steps to be undertaken should a damaged container be identified; and
 - The steps to be undertaken should a leaking container be identified.

2.1.3 Odour Management Plan

As per the Odour Management Plan dated February 2010 (the **February 2010 OMP**) for the Site, following the compaction of waste, all filled containers are entirely sealed and remain so while at the Site. All containers used are required to be in good condition, and unused/returned containers adequately clean. The Odour Audit finds that this continues to be current practice at the Site. A view of the condition of the container area as found on 8 June 2022 is shown in **Photo 2.2**.



Photo 2.2 – A view of the container area as found on 8 June 2022

2.1.4 Odour Extraction System Maintenance

The service documentation for the maintenance of the odour extraction system was supplied and reviewed as part of the Odour Audit (refer to **Appendix A**). The service logs were provided covering the period between November 2021 to May 2022.

Each service log provided to the Odour Audit indicated that the required inspection and maintenance works were taking place by a suitable service contractor, and the odour extraction system overall was operating efficiently. The service logs during this period noted that all the necessary support works such as checking the fan belts and unit operations, greasing bearings, component replacement, and other routine preventative maintenance works were being inspected and undertaken. It is noted that the variable speed drive (**VSD**) on Fan 2 experienced an earth fault on 14 April 2021. This was rectified on 21 April 2022.

Given the above and based on the positive results obtained for the smoke testing, odour complaints register, and the FAOA survey conducted as part of the Odour Audit visit, it appears that the current operation of the odour extraction system is satisfactory.

2.1.5 Odour Management Procedures/Plan

The Odour Management Procedures (formerly known as the Odour Minimising Procedures) continue to be regularly reviewed at toolbox meetings, and contemporary issues/recommendations are raised with all staff members at these meetings.

Veolia has advised The Odour Audit that the February 2010 OMP is still in the process of being reviewed and updated. However, TOU was provided a copy of the draft

Operational Environmental Management Plan for the Site dated 6 November 2020 (the **Draft OEMP**). Upon finalisation of the Draft OEMP and consolidation of all referenced documents, the Odour Audit will review this document in its entirety. Nevertheless, the annual review and commitment to continuous improvement to the operational and environmental management procedures and practices at the Site is endorsed by the Odour Audit.

2.1.6 Transfer Terminal Building

The Odour Audit inspected the fixed metal plates retrofitted along the TTB breezeways in December 2013. All metal plates were found to be intact and in good condition around the TTB. All doors and roller shutters of the TTB were found to be shut at the time of the Odour Audit, reducing the likelihood of odour impacts detected off-site. The louvres on the end walls of the TTB were observed to be permanently shut.

2.1.7 Truck Entrance Plastic Strips

The truck entrance plastic strips of the TTB, used to reduce odour escaping through the opening, were found to be intact and in good condition (refer to **Photo 2.3**).

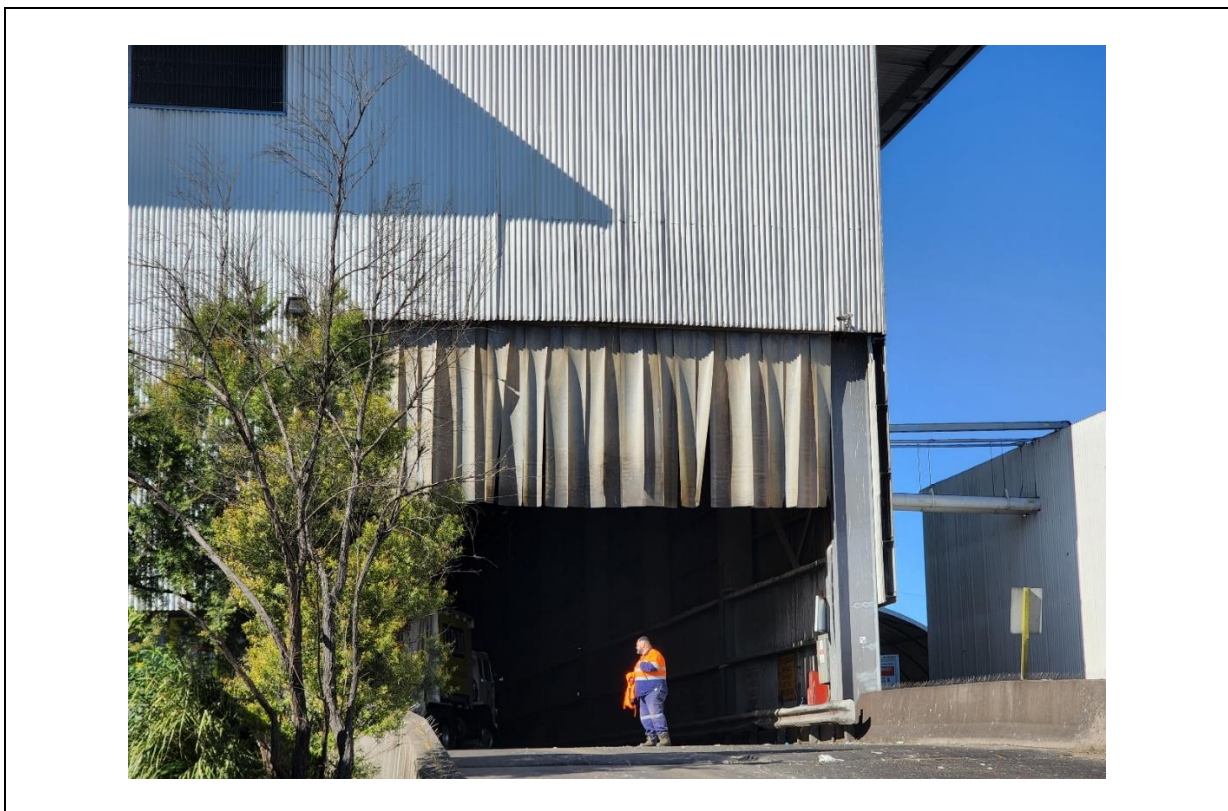


Photo 2.3 – A view of the truck entrance plastic strips as found on 8 June 2022

2.1.8 Smoke Testing

As per previous audits, smoke testing was carried out within the TTB to assist in determining the effectiveness of the forced air extraction system, as well as the extent to which the TTB has been sealed from leaks. As per previous audits, smoke was released from within the TTB at three points within the TTB. **Figure 2.1** shows the three points where the smoke was released within the TTB. **Photo 2.4** shows smoke testing

at the truck entrance of the TTB, which reflects an additional test location to the normal smoke testing release points shown in **Figure 2.1**.

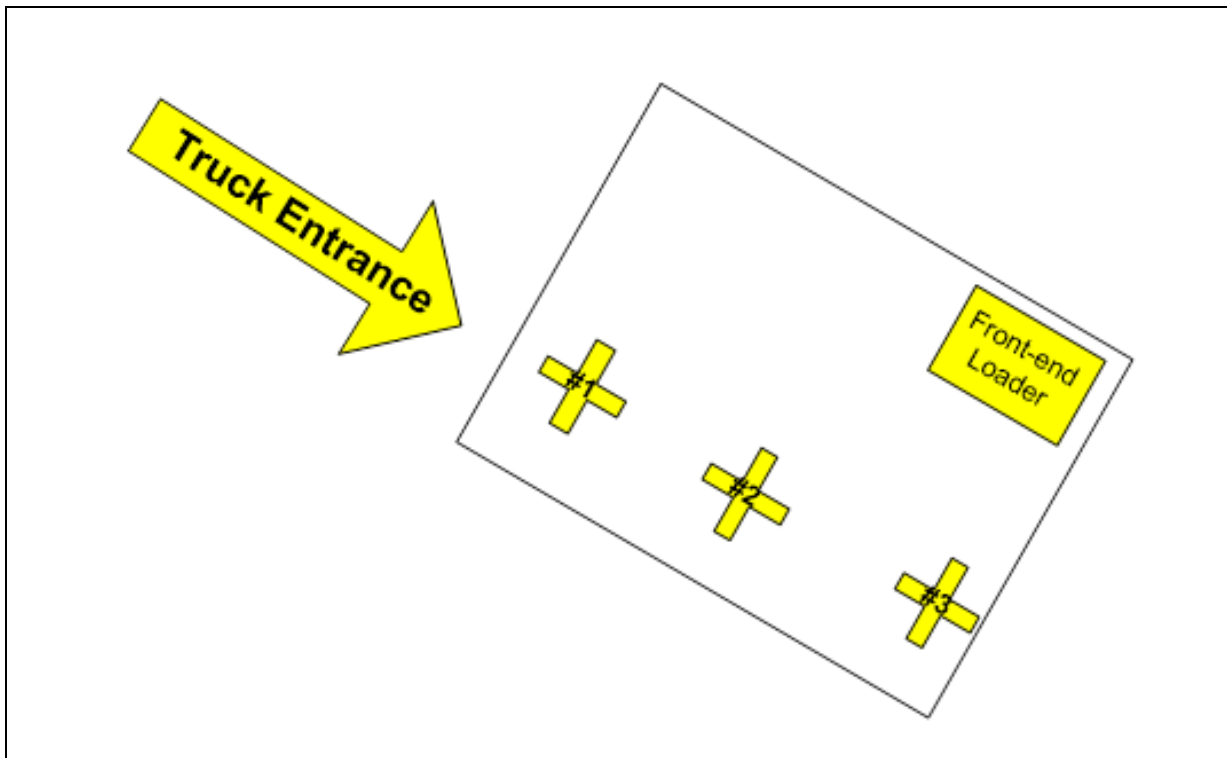


Figure 2.1 – Smoke testing release points within the TTB on 8 June 2022

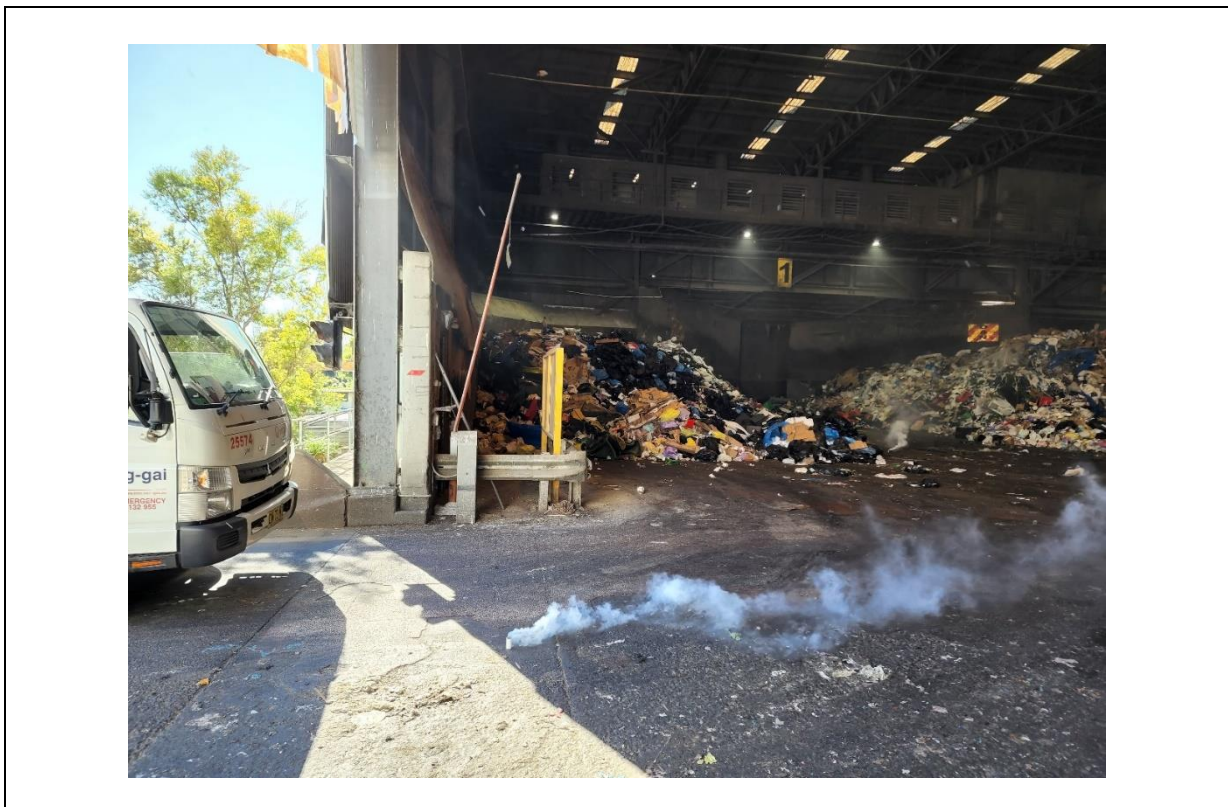


Photo 2.4 – A view of the truck entrance plastic strips during smoke testing on 8 June 2022

2.1.8.1 Smoke Testing Results

Smoke Testing Point #1

The smoke released at this point initially rose gradually, rising to the roof and moving slowly towards the extraction system. Visible smoke extraction at the overhead capture points was evident during the smoke testing at this point.

Smoke Testing Point #2

The smoke released at this point initially moved similarly to smoke testing point #1, but the flow pattern changed such that it moved away from the extraction system at ground level. As it travelled to the truck entrance-side wall, the smoke began to rise towards the roof and then towards the extraction system.

Smoke Testing Point #3

The smoke released at this point revealed a similar result to that documented for smoke testing point #1.

2.2 ODOUR COMPLAINTS HANDLING AND METEOROLOGICAL DATA

2.2.1 **Odour Complaints Handling**

As advised by Veolia personnel, there have been no complaints recorded in the Site's complaints register since March 2012.

2.2.2 **Meteorological Data**

The meteorological data provided to the Odour Audit, covering the period of between November 2021 and June 2022, was inspected and found to be in good order. As found in previous Odour Audits, the observations were provided in daily 15-minute intervals and included all parameters necessary to develop a meteorological dataset for odour dispersion modelling.

As indicated via service records completed by Hydrometric Consulting Services (**HCS**) supplied by Veolia to the Odour Audit, the weather station continues to remain located in an accessible area with the solar panel and components regularly cleaned, and installation sprayed periodically for insects and trimming of nearby vegetation as required to ensure no overgrowth immediately around the weather station pole. Overall, HCS indicated that the weather stations were operating well, and any identified issues were rectified. The weather data calibration and service reports by HCS are appended as **Appendix B**.

2.3 FIELD AMBIENT ODOUR ASSESSMENT METHODOLOGY

At present, no Australian Standard exists for field-based ambient odour assessment surveys. Consequently, TOU utilises a method for assessing the ground-level impacts of odour emissions using a modified version of the German Standard VDI 3940 (1993) – *'Determination of Odorants in Ambient Air by Field Inspections'*.

Field-based ambient odour surveys are considered a valuable odour impact assessment tool as previous experience with ambient odour sampling and subsequent

olfactometry testing suggests that accurate and useful ambient odour concentration data is difficult to obtain. Therefore, TOU has adopted a more practical approach based on the field measurement of odour intensity. With this method, calibrated and experienced odour specialists traverse the downwind surrounds of odour sources in a strategically mapped pattern, assessing the presence, character and intensity of any odours encountered and recording these observations along with wind speed and direction.

An ambient odour assessment was performed on 8 June 2022 between 1155 hrs and 1253 hrs. The FAOA survey was undertaken at strategic locations, both on-site and off-site. The ambient odour assessment focus was off-site, as required by the Conditions of Consent on “.....*nearby commercial and residential areas*.....” (Section 48 (f)). The TOU assessor firstly determined the wind direction using a Kestrel 4500 Pocket Weather Tracker Anemometer and then assessed upwind and downwind locations of the TTB.

The assessors spent approximately five minutes at each assessment location to gauge the effects of any odour impact. If an odour was detected at a location, the assessors attempted to characterise it. The general aim was to determine the extent of the impact of odours off-site and rank their intensity. The ranking scale for the German Standard VDI 3940 ‘*Determination of Odorants in Ambient Air by Field Inspections*’ was used for the intensity assessments. The standard’s ranking system is based on the following seven-point intensity scale, as shown in Table 2.1.

Table 2.1 – VDI 3882 Odour Intensity Categories		
Odour Strength	Intensity Rank (code)	TOU Interpretation (meaning)
Not detectable	0	No odour detected
Very weak	1	Odour detected but not strong enough to be characterised
Weak	2	Odour is weak but just able to be characterised
Distinct	3	Odour is distinct and easily characterised
Strong	4	Strong odour detectable
Very Strong	5	If offensive, the observer may consider moving from the area
Extremely Strong	6	Odour is sufficiently over-powering that assessor moves from the area

2.3.1 Field Ambient Odour Assessment - Results

The results of the FAOA survey conducted during the Odour Audit found that whilst intermittent odours were detected on-site, no odours were detectable off-site that could be linked back to the Site and its activities. This is a good outcome and reflects the

findings from previous odour audits. The field log sheets, and visual survey plot are appended as **Appendix C**.

3 RECOMMENDATIONS/FOLLOW-UP ACTIONS

3.1 PREVIOUS AUDIT ACTIONS

The following list provides an outline of the last November 2021 odour audit actions and status as of the Odour Audit:

- **Previous Audit Action 1:** *Action 1 – Continue with the on-going review and commitment to continuous improvement of the Draft OEMP and referenced documents.*
- **Status:** On-going and will be reassessed in the next odour audit.

3.2 TRANSFER TERMINAL BUILDING

All metal plates were found to be intact and in good condition around the TTB. All doors and roller shutters of the TTB were found to be shut at the time of the Odour Audit, reducing the likelihood of odour impacts detected off-site. The louvres on the end walls of the TTB were observed to be permanently shut. Overall, the TTB was found to be well managed.

Based on the findings in the Odour Audit, the following action is recommended:

- **No further action is required at this stage.**

3.3 COMPACTOR AREA

The general housekeeping around the compactor area was observed to be of high quality, with no evidence to suggest otherwise. As with previous Odour Audits, the container compacting/train packing area had a weak to distinct odour that was intermittently detectable but was found to be confined to this area only.

Based on the findings in this Odour Audit, the following action is recommended:

- **No further action is required at this stage.**

3.4 ODOUR EXTRACTION SYSTEM

The service logs indicate that all required maintenance works on the odour extraction system since the previous November 2021 odour audit have been adequately undertaken, and the odour extraction system is operating in a satisfactory condition.

Based on the findings in the Odour Audit, the following action is recommended:

- **No further action is required at this stage.**

3.5 WEATHER STATION

The dataset obtained from the weather station was found to be adequate. Moreover, the calibration and service reports from HCS indicate that all maintenance to the weather station and required calibrations were carried out as needed.

Based on the findings in the Odour Audit, the following action is recommended:

- **No further action is required at this stage.**

3.6 OFF-SITE ODOUR IMPACTS

The results of the FAOA survey conducted during the Odour Audit found that no odours were detectable off-site that could be linked back to the Site and its activities.

Based on the findings in the Odour Audit, the following action is recommended:

- **No further action is required at this stage.**

3.7 ODOUR MANAGEMENT PROCEDURES/PLAN

At the timing of the writing of the Odour Audit, the February 2010 OMP was last updated over eight years ago. Given the previous update, it is suggested that as part of good practice that Veolia reviews and update the February 2010 OMP to ensure it continues to reflect the odour management procedures implemented and followed at the Site. TOU was provided a copy of the Draft OEMP. Upon finalisation of the Draft OEMP and consolidation of all referenced documents, the Odour Audit will review this document in its entirety. Nevertheless, the annual review and commitment to continuous improvement to the operational and environmental management procedures and practices at the Site is endorsed by the Odour Audit.

Based on the findings in this Odour Audit, the following action/s is recommended:

- **Action 1 – Continue with the on-going review and commitment to continuous improvement of the Draft OEMP and referenced documents.**

3.8 CONCLUDING REMARK

Overall, this Odour Audit found that the operation and maintenance of the odour management system at the Site was excellent. There was no evidence to suggest that significant fugitive odour emission release from the Site is occurring.

The next Odour Audit is due in **December 2022**.



VEOLIA (AUSTRALIA) PTY LTD

Clyde Waste Transfer Terminal

Odour Audit XXXIX

Appendices

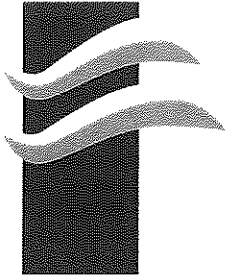
June 2022



APPENDIX A:

ODOUR EXTRACTION SYSTEM SERVICE REPORTS

(NOVEMBER 2021 – MAY 2022)



Independent Air Flow Services



Accredited by the National Association of Testing Authorities No. 3098

A.B.N. 55 066 984 610

PO Box 4469, North Rocks NSW 2151

Telephone: 1300 004 237

Mobile: 0488 400 072

E-mail: independentairflow@optusnet.com

Web Address: www.independentairflow.com.au

Accredited for compliance with ISO/IEC 17025- Testing

The results of the tests, calibrations and / or measurements included in this document
are traceable to Australian / National Standards

NATA is a signatory to the APLAC mutual recognition arrangement for the mutual
recognition of the equivalence of testing, calibration and inspection of reports

Accreditation No: **3098**

This document shall not be reproduced except in full

TEST REPORT

DATE: 07/12/2021

LOCATION: EAF 1 & 2 | Disposal Shed

Clyde Transport Terminal (Veolia) | 321 Parramatta Road, AUBURN NSW

CLIENT: Equilibrium Air Conditioning

ADDRESS: Unit 7, 38 Brookhollow Avenue

NORWEST NSW

POST CODE: 2153

CONTACT: Steve Seretis

PHONE NO: (02) 9439 4822

CERTIFICATE NO: SA1164/21

Clyde Transport Terminal (Veolia)

EAF 1 & 2 | Disposal Shed

EQUIPMENT	SERIAL NUMBERS	CALIBRATION DUE
Anemometer	T57251629007	May 2022
Manometer	T58252127011	August 2022

TEST METHOD	TEST DESCRIPTION	TEST REQUIREMENT	PAGE	RESULTS	PASS/FAIL
AS/NZS14644.3 (Clause B.4.3.2)	Supply Airflow Rate Calculate from Exhaust Face Velocity	N/A	Page 6	23 Air Changes Per Hour	RECORDED


REMARKS AND RECOMMENDATIONS

Access to Exhaust Grilles Via Outside Stair Cases

Extraction Fan 1 & 2 Motor Make HG | Motor Frame Y315S

Tested By: A. Wuang

Recommended Next Test: December 2022

Checked/Accredited Signatory: 
D. Hazell

Date of Issue: 13/12/2021

Clyde Transport Terminal (Veolia) Signatory _____

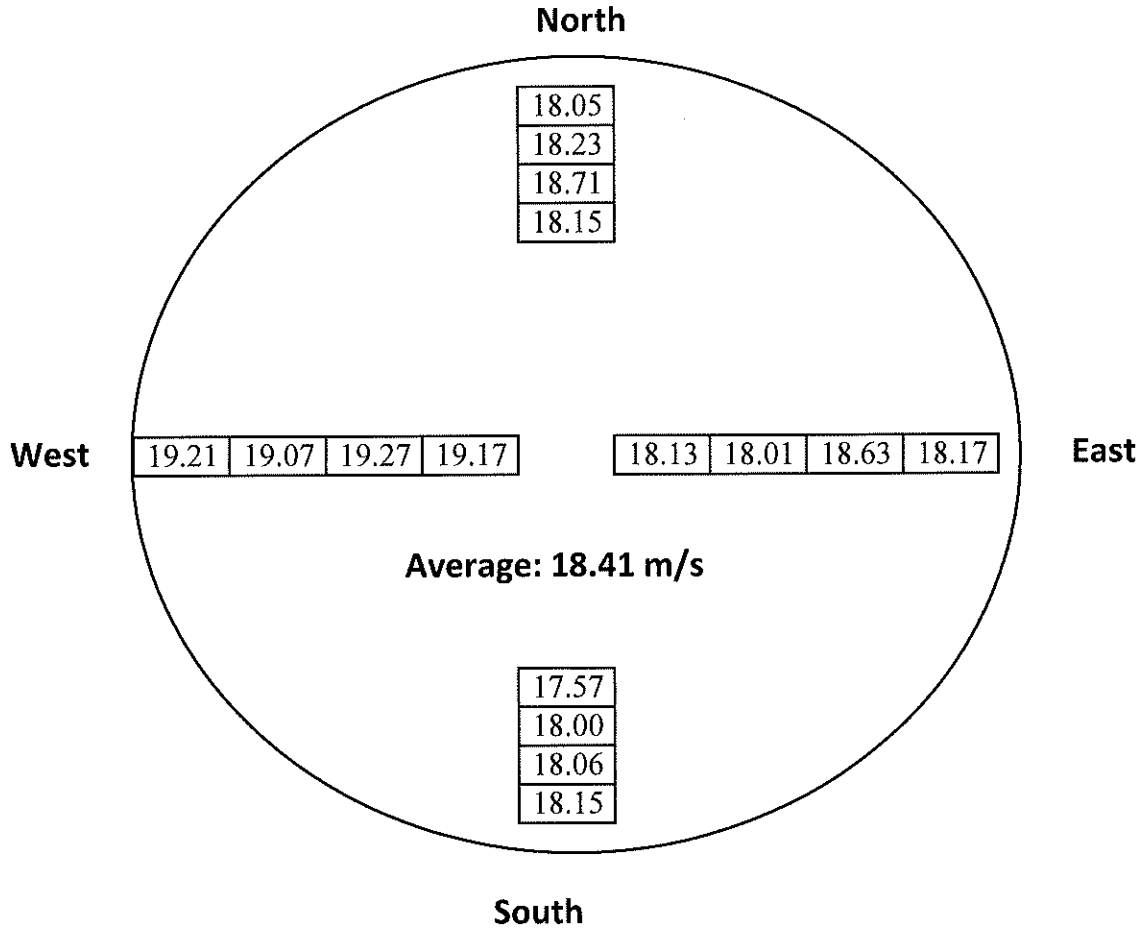
Certificate No: SA1164/21

Clyde Transport Terminal (Veolia)

Exhaust Stack

AIR VELOCITY

SUPPLY AIRFLOW VELOCITY (Clause B.2.2.2)



All readings in meter per second - m/s

Correction Factors (Already Applied)

>5.01	0.00
-------	------

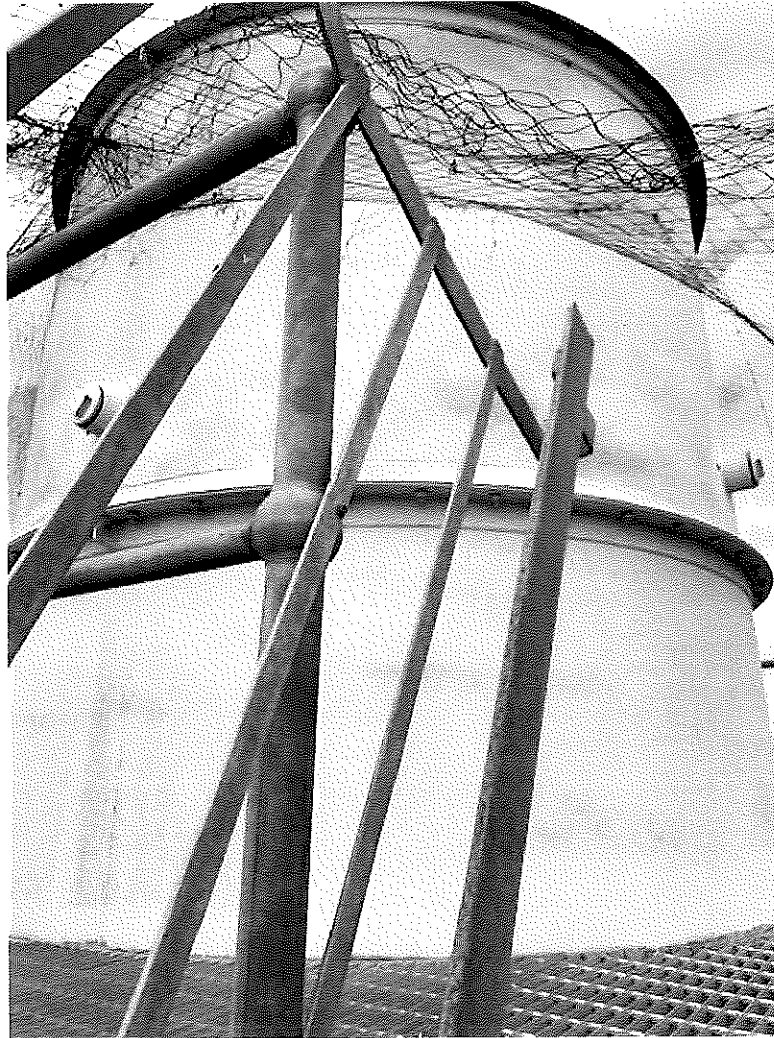
All Velocities recorded at a distance of aprox 150 mm from Exhaust Grille Face

Certificate No: SA1164/21

Clyde Transport Terminal (Veolia)

Exhaust Stack

PHOTO - NOT TO SCALE



Certificate No: SA1164/21

Clyde Transport Terminal (Veolia)

Western Side | Exhaust Grilles

AIR VELOCITY

SUPPLY AIRFLOW VELOCITY *(Clause B.2.2.2)*

Exhaust Grille 1

4.75	4.89	AVG: 4.51
4.23	4.15	

Exhaust Grille 2

4.50	4.44	AVG: 4.38
4.31	4.25	

Exhaust Grille 3

4.95	4.58	AVG: 4.78
5.29	4.30	

Exhaust Grille 4

5.78	5.07	AVG: 5.46
5.70	5.30	

Exhaust Grille 5

6.80	6.13	AVG: 5.71
4.89	5.01	

Exhaust Grille 6

7.89	6.27	AVG: 7.06
6.78	7.31	

Exhaust Grille 7

6.87	7.00	AVG: 7.23
7.20	7.85	

Exhaust Grille 8

8.57	8.88	AVG: 9.06
10.03	8.75	

All readings in meter per second - m/s

Correction Factors (Already Applied)

3.99	0.01
5.01	0.00

All Velocities recorded at a distance of aprox 150 mm from Exhaust Grille Face

Certificate No: SA1164/21

Clyde Transport Terminal (Veolia)

Eastern Side | Exhaust Grilles

AIR VELOCITY

SUPPLY AIRFLOW VELOCITY (Clause B.2.2.2)

Exhaust Grille 9

9.01	9.15	AVG: 8.71
8.11	8.57	

Exhaust Grille 10

9.13	7.87	AVG: 8.61
7.90	9.53	

Exhaust Grille 11

11.15	9.23	AVG: 10.19
10.15	10.21	

Exhaust Grille 12

11.31	9.37	AVG: 10.34
10.18	10.51	

Exhaust Grille 13

10.16	7.55	AVG: 9.24
10.32	8.91	

Exhaust Grille 14

7.71	8.01	AVG: 7.76
7.57	7.73	

Exhaust Grille 15

7.65	7.09	AVG: 7.70
8.28	7.78	

All readings in meter per second - m/s

Correction Factors (Already Applied)

>5.01	0.00
-------	------

All Velocities recorded at a distance of aprox 150 mm from Exhaust Grille Face

Certificate No: SA1164/21

Clyde Transport Terminal (Veolia)

EAF 1 & 2 | Disposal Shed

Test Method: AS ISO14644.3 Method B.2(Clause B.2.3.2) - Air Change Rate

TOTAL AIR QUANTITIES

Air Quantity is determined thus : Average Velocities x Face Area x 3.6×10^3

Exhaust Grille	Face Area Calculation	Face Area m ²	Average Velocity m/s	Air Quantity m ³ /h
1	1.200 x 1.200	1.440	4.51	23379.84
2	1.200 x 1.200	1.440	4.38	22705.92
3	1.200 x 1.200	1.440	4.78	24779.52
4	1.200 x 1.200	1.440	5.46	28304.64
5	1.200 x 1.200	1.440	5.71	29600.64
6	1.200 x 1.200	1.440	7.06	36599.04
7	1.200 x 1.200	1.440	7.23	37480.32
8	1.200 x 1.200	1.440	9.06	46967.04
9	1.200 x 1.200	1.440	8.71	45152.64
10	1.200 x 1.200	1.440	8.61	44634.24
11	1.200 x 1.200	1.440	10.19	52824.96
12	1.200 x 1.200	1.440	10.34	53602.56
13	1.200 x 1.200	1.440	9.24	47900.16
14	1.200 x 1.200	1.440	7.76	40227.84
15	1.200 x 1.200	1.440	7.70	39916.80
Total Air Quantity				574076.16

AIR CHANGES PER HOUR

Air Changes per Hour = Air Quantity divide by Room Volume

Room	Air Quantity m ³ /h	Volume m ³	Air Changes Per Hour	*PASS / FAIL
Disposal Shed	574076.16	24558.00	23	RECORDED

* **Requirement:** Clyde Transport Terminal (Veolia) Set Recorded Air Changes Per Hour

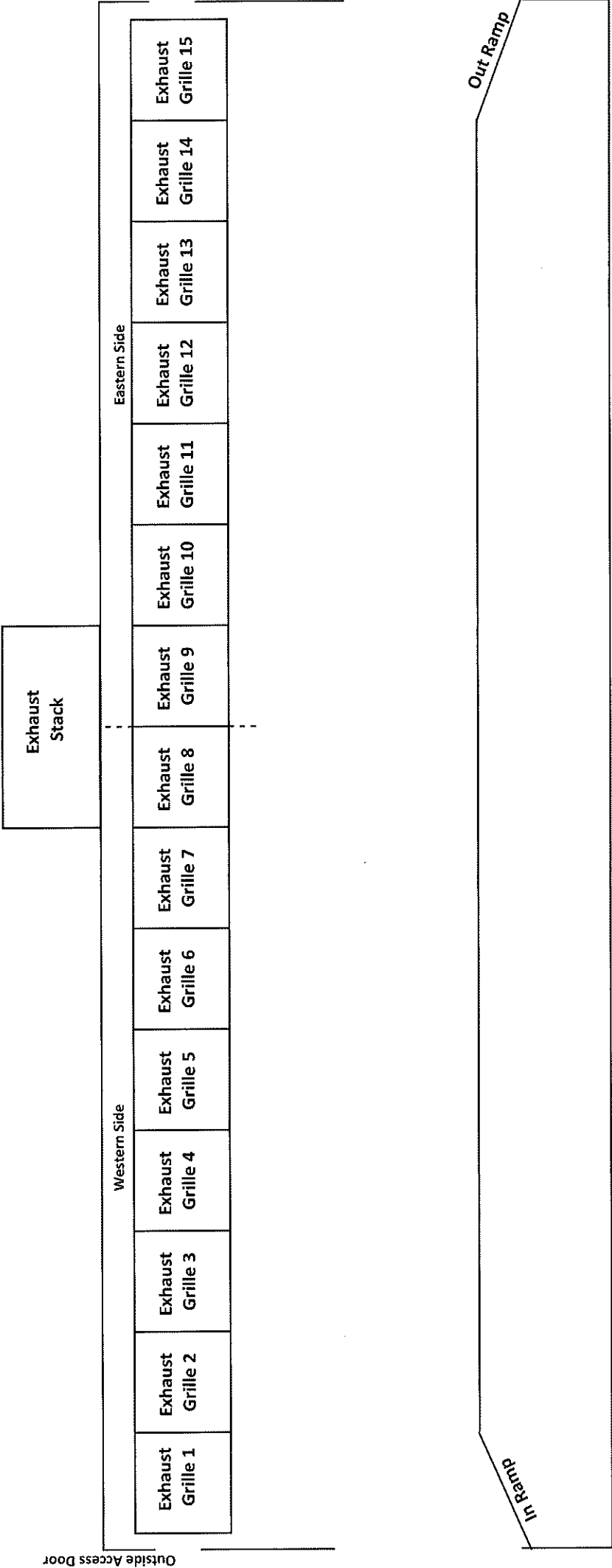
IF APPLICABLE ALL SCREENS REMOVED FOR FACE AREA CALCULATIONS

Face Area Calculation and Room Volume completed using Tape Measure Serial No: SA01

Certificate No: SA1164/21

Clyde Transport Terminal (Veolia)

EAF 1 & 2 | Disposal Shed



Clyde Transport Terminal (Veolia)

EAF 1 & 2 | Disposal Shed

PHOTO - NOT TO SCALE

Western Side



Eastern Side



Certificate No: SA1164/21

Equilibrium Air Conditioning Services Pty Ltd

ABN 51 844 035 531

Telephone: (02) 9439 4822

service@egac.com.au

PO Box 7996

Norwest NSW 2153



CUSTOMER JOB NO. 32200 - Steve Hortis

Project Name Monthly Maintenance

Date Created 03/11/2021

PO # SS00025

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pyrmont NSW 2009
Contact Adele Rachkide
Telephone 9841 2508
Mobile
Email adele.rachkidi@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of November

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Kyle Dempsey (05/11/2021) - Work Note

Arrived on site

Conducted maintenance on odour extraction fans serving the pit

Conducted maintenance on all split system units in the general office and weigh bridge office.

Isolated the power to extraction fans 1 and 2 in pit

Isolated alarms to the fan sensor.

Took off the covers to inspect the conditions of the belts, pulleys and bearings, all looked okay.

Greased the fan motor and bearings for both fans.

Inspected the conditions of both VSDs, all tested okay.

Turned the main power back on and tested the fans in run, then powered the fan sensor alarms back on.

Conducted maintenance on all split systems (Mitsubishi electric) serving the general office, including the managers offices, the comms room, lunchroom and meeting.

Also checked the Room Air conditioners serving the changeroom and back lunchroom.

All filters have been cleaned, flushed water through the condensate drains, checked operations of all systems in full cooling mode to prepare for warmer temperatures

Checked electrical components

Checked outdoor units

Checked for faults and/or damage to systems.

All tested okay.

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Telephone: (02) 9439 4822
service@egac.com.au

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Norwest NSW 2153



CUSTOMER JOB NO. 32200 - Steve Hortis

Conducted maintenance on wall split system serving the weigh bridge office.
Cleaned the filters
Flushed out the condensate drain
Checked operations in full cooling mode to prepare for warmer temperatures
Adjusted the time and setpoints in cooling and heating on the controller
Checked the outdoor unit
Checked the electrical components
Checked for faults and/or damage to system.
All tested okay.

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer:

_____	_____
Print Name	Signature

Technician:

_____	_____
Print Name	Signature

Equilibrium Air Conditioning Services Pty Ltd
ABN 51 844 035 531

Telephone: (02) 9439 4822
service@eqac.com.au

PO Box 7996
Norwest NSW 2153



CUSTOMER JOB NO. 32314 - Kyle Dempsey

Project Name Pulley Replacement

Date Created 13/12/2021

PO # 7100338639

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pymont NSW 2009
Contact
Telephone (02) 8588 1401
Mobile
Email anz.accountspayable@veolia.com

Work Requested

Invoice job already at Rod Jones request.
This is a duplicate job with no charges.
Notes to be sent to Rod when job complete on the Job Card Only.

See Invoice 11935 (Job 32313)

Kyle Dempsey (16/12/2021) - Work Note-

Arrived on site
Hoisted new pulleys up ladder to plantroom where extraction fans are located
Isolated power to both extraction fans to begin works.
- Removed covers from pulleys and belts.
- Removed damaged pulleys on both the fan motor and fan shaft, also removed taper lock bushings.
- Placed new pulleys and taper-lock bushings to both fan motor and fan shaft.
- checked pulley alignment was correct, replaced damaged belts with spares that were on site, adjusted fan motor to re-ve tight tension on the belts to avoid any further damage.
- Placed covers back on pulleys and belts, removed tools and packed up area. Turned power back on to test run and inspect performance of fan, also turned fan sensor alarm back on.
- All tested okay. Job completed.

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer:

Print Name

Signature

Technician:

Print Name

Signature

Equilibrium Air Conditioning Services Pty Ltd

ABN 51 844 035 531

Telephone: (02) 9439 4822

service@eqac.com.au

PO Box 7996

Norwest NSW 2153



CUSTOMER JOB NO. 32357 - Steve Hortis

Project Name Monthly Maintenance - January

Date Created 05/01/2022

PO # 7100337757

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pymont NSW 2009
Contact Bob Manevski
Telephone (02) 9841 2802
Mobile 0412 275 133
Email bob.manevski@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of January

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Kyle Dempsey - January 2022

Conducted maintenance on the odour extraction fans above the compactor pit.

Fan 1 belts are okay.

Bearings have been greased.

Fan motor bearings have been greased.

Checked the operations on the fans at full capacity

VSDs are operating normally.

All tested okay.

Conducted maintenance on AC systems in the

General office, which includes 5 wall split system units serving the lunchroom, small offices, meeting room and comms room, and weighbridge office.

Filters have been cleaned

Condensate drains have been flushed

Tested operations of each system in full cooling mode

Checked electrical components for each unit

Checked for faults and/or damage to units

Checked for sufficient airflow

Checked that temperatures are meeting set point.

All tested okay.

ABN 51 844 035 531

Telephone: (02) 9439 4822

service@eqac.com.au

PO Box 7996

Norwest NSW 2153



CUSTOMER JOB NO. 32357 - Steve Hortis

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer:

Print Name

Signature

Technician:

Print Name

Signature

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ABN 51 844 035 531

Telephone: (02) 9439 4822

service@eqac.com.au

PO Box 7996

Norwest NSW 2153



CUSTOMER JOB NO. 32439 - Steve Hortis

Project Name Monthly Maintenance - Feb

Date Created 02/02/2022

PO # 7100337757

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pyrmont NSW 2009
Contact Bob Manevski
Telephone (02) 9841 2802
Mobile 0412 275 133
Email bob.manevski@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of Feb

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Kyle Dempsey (15/02/2022) - Work Note

Arrived on site
Conducted maintenance on Administration office and weigh bridge office.
Administration office included 5 wall split Ac systems, and 3 Room AC units.
The weigh bridge office included 1 wall split system.

All filters had been cleaned
All condensate drains have been flushed and cleared

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer:

Print Name Signature

Technician:

Print Name Signature

Equilibrium Air Conditioning Services Pty Ltd

ABN 51 844 035 531

Telephone: (02) 9439 4822

service@eqac.com.au

PO Box 7996

Norwest NSW 2153



CUSTOMER JOB NO. 32523 - Steve Hortis

Project Name Monthly Maintenance - March

Date Created 28/02/2022

PO # 7100337757

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pyrmont NSW 2009
Contact Bob Manevski
Telephone (02) 9841 2802
Mobile 0412 275 133
Email bob.manevski@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of March

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Kyle Dempsey (09/03/2022) - Work Note-

Arrived on site

Conducted maintenance on Administrative office and weighbridge office AC systems, which includes 6 wall split units and 3 Room AC units.

For AC units serving administrative office

Filters have been cleaned

Condensate drains have been flushed and cleared

Tested operations of each system in full cooling mode and high fan speed

Checked electrical components

Checked for faults and/or damage to units

Checked that airflow is sufficient from each unit

Checked that rooms temperatures are meeting setpoint.

All tested okay.

For weighbridge office AC unit

Filters have been cleaned

Condensate drain has been flushed and cleared

Tested operations of system in full cooling mode and high fan speed

Checked electrical components

Checked for faults and/or damage to units

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service@eqac.com.au

PO Box 7996
Norwest NSW 2153



CUSTOMER JOB NO. 32523 - Steve Hortis

Checked that airflow is sufficient
Checked that room temperature is meeting setpoint.
All tested okay.

Had conducted maintenance on all outdoor units serving each indoor unit.
Checked electrical components and wiring for loose terminals or damage cables
Checked piping for leaks and damage
Checked for faults and/or damage to units
Checked condition of outdoor coils.
All tested okay.

Cleaned out all exhaust fans of dust and debris serving the administrative office.

Air chamber housing Extractions fans 1 and 2 is still yet to be cleaned above the compactor pit by subcontractors, with the weather creating mud and mould. Will wait until chamber is completely cleaned out before conducting a proper maintenance on fans.

Have checked condition of belts which are still okay.
Duct Cleaning Contractor is waiting for a dry days to clean the remainder of the duct .

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer:

Print Name

Signature

Technician:

Print Name

Signature

Page 2/2

Equilibrium Air Conditioning Services Pty Ltd

ABN 51 844 035 531

Telephone: (02) 9439 4822

service@eqac.com.au

PO Box 7996

Norwest NSW 2153



CUSTOMER JOB NO. 32611 - Steve Hortis

Project Name Monthly Maintenance

Date Created 30/03/2022

PO # 7100337757

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pyrmont NSW 2009
Contact Bob Manevski
Telephone (02) 9841 2802
Mobile 0412 275 133
Email bob.manevski@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of April 2022

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Kyle Dempsey (21/04/2022) - Work Note

Attended site to show duct cleaning contractors what works needed completing to clean the fan chamber. Have left contractors to complete works, will be provided photos of the job once finished.

Kyle Dempsey (14/04/2022) - Work Note

Arrived on site

Firstly conducted maintenance on 2 extraction fans above compactor pit.

Fan 2 is experiencing an earth fault (A14) on danfoss VSD, shutting down motor.

VSD may have a faulty control card

Will need to further diagnose once area is cleaned up.

Belts are okay

Motor and fan shaft bearings have been greased

Pulleys are okay

Cleaned out motors and VSDs of a huge build-up of dirt and debris.

Will need to attend site next week to test the motor and VSD and diagnose the issue

Duct cleaning contractors will need to return to finish cleaning out the extraction fan air chamber.

Fans, framework and floor around the fans have been left untouched and there are signs of mould growing on the fan framework inside the air chamber.

Equilibrium Air Conditioning Services Pty Ltd
ABN 51 844 035 531

Telephone: (02) 9439 4822
service@egac.com.au

PO Box 7996
Norwest NSW 2153



CUSTOMER JOB NO. 32611 - Steve Hortis

Conducted maintenance on Administration office and weighbridge office AC units, which includes 6 wall split system ACs and 3 Room ACs.
Filters have all been cleaned
Flushed all condensate drains
Tested operations on each unit in full cooling and heating mode and high fan speed
Checked electrical components
Checked for faults and/or damage
Checked that airflows are sufficient
Checked that room temperatures are meeting setpoint.
All tested okay.

Conducted maintenance on 6 Outdoor units for each indoor system.
Checked electrical components
Checked wiring for damaged cables or terminals
Checked pipework for leaks and damage
Checked for faults and/or damage to units
Checked condition of outdoor coils.
All tested okay.

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer:

_____	_____
Print Name	Signature

Technician:

_____	_____
Print Name	Signature

Equilibrium Air Conditioning Services Pty Ltd

ABN 51 844 035 531

Telephone: (02) 9439 4822

service@eqac.com.au

PO Box 7996

Norwest NSW 2153



CUSTOMER JOB NO. 32703 - Steve Hortis

Project Name Monthly Maintenance

Date Created 09/05/2022

PO # 7100337757

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pyrmont NSW 2009
Contact Bob Manevski
Telephone (02) 9841 2802
Mobile 0412 275 133
Email bob.manevski@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of May

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Kyle Dempsey (18/05/2022) - Work Note

Arrived on site

Conducted maintenance on extraction fans above compactor pit. Extraction fan 2 is shutdown as it requires a new VSD to be installed. Extraction fan 1 requires new pulleys after finding belts to have cracked, belts should be lasting longer and there is visible wear and tear on the fan motor pulley and fly wheel on the fan shaft (quote for belts and pulleys to be sent to client).

Had placed belts from fan 1 onto fan 2 to keep it operational while fan 1 is shutdown.

Greased bearings on fan motor and fan shaft for both fans and cleaned debris from fan motor and VSDs.

Conducted maintenance on AC systems in administration office and weighbridge office.

This included 6 wall split systems and 3 Room Air conditioners.

Filters have been cleaned

Condensate drains have been flushed

Tested operations of systems in full cooling and heating mode and high fan speed

Checked electrical components

Checked for faults and/or damage to units

Checked airflows are sufficient

Checked that room temperatures are meeting setpoint.

All tested okay.

Conducted maintenance on 6 outdoor units serving wall split systems.

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Telephone: (02) 9439 4822
service@egac.com.au

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CUSTOMER JOB NO. 32703 - Steve Hortis

Checked electrical components
Checked wiring for damaged or burnt out terminals and cables
Checked pipework for leaks or damage
Checked condition of outdoor coils and cleaned
Checked for faults and/or damage to units.
All tested okay.

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer:

_____	_____
Print Name	Signature

Technician:

_____	_____
Print Name	Signature



APPENDIX B:
WEATHER DATA CALIBRATION REPORTS
(JANUARY 2022 & APRIL 2022)

20/1/2022

Mary Wong
Veolia Environmental Services (Australia) Pty Ltd

Re – Quarterly service of weather stations

Dear Mary,

As per our service agreement, on the 20/1/22 HS undertook the service, calibration and maintenance of the weather stations located at the Horsley Park and Clyde sites. Field readings were obtained by a combination of a Kestral 3500, compass, Monitor Solar Radiation field unit and HS TBRG calibration device. Details are as follows:

[Horsley Park 27/10/21](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	22.0	21.1
2m*	22.0	21.3
Relative Humidity*	61.0	60.1
Wind Speed	6.0 m/s at ground	7.5 m/s at 10 metres
Wind Direction	1940	140
Solar Radiation	589	585
TBRG	10mm	20 tips
Battery/Solar	13.4	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0815 EST as these were testing.

Additional Items

1. Solar panel and components cleaned. All components were very dirty.
2. Installation sprayed for insects.
3. Guy wires checked.

[Clyde 27/10/21](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	23.5	22.3
2m*	23.5	23.6
Relative Humidity*	58.0	60.0
Wind Speed	6.3 m/s at ground (poor exposure at ground)	8.1 m/s at 10 metres.

Wind Direction	140	140
Solar Radiation	340	338
TBRG	10mm	21 tips
Battery/Solar	13.1	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0930 EST as these were testing.

Note 3: Modem had lost its settings. – Repaired.

Additional Items

1. All components cleaned.
2. Installation sprayed for insects.

Both sites are now polled weekly by HS and data is downloaded and available on the HS website.

Should you require any further information on this report please do not hesitate to contact me on 0420316459.

Phil Evison.

06/4/2022

Mary Wong
Veolia Environmental Services (Australia) Pty Ltd

Re – Quarterly service of weather stations

Dear Mary,

As per our service agreement, on the 4/4/22 HS undertook the service, calibration and maintenance of the weather stations located at the Horsley Park and Clyde sites. Field readings were obtained by a combination of a Kestral 3500, compass, Monitor Solar Radiation field unit and HS TBRG calibration device. Details are as follows:

[Horsley Park 04/04/2022](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	18.0	17.8
2m*	18.0	17.6
Relative Humidity*	61.0	60.5
Wind Speed	0.4 m/s at ground	0.43 m/s at 10 metres
Wind Direction	300	300
Solar Radiation	310	307
TBRG	10mm	20 tips
Battery/Solar	14.3	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0800 EST as these were testing.

Additional Items

1. Solar panel and components cleaned. All components were very dirty.
2. Installation sprayed for insects.
3. Guy wires checked.

[Clyde 04/04/2022](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	23.0	22.8
2m*	23.0	22.7
Relative Humidity*	39.4	38.7
Wind Speed	1.0 m/s at ground (poor exposure at ground)	1.5 m/s at 10 metres.

Wind Direction	250	250
Solar Radiation	660	670
TBRG	10mm	21 tips
Battery/Solar	13.1	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0920 EST as these were testing.

Note 3: Ant infestation in TBRG, clean and spray, repair faulty switch.

Additional Items

1. All components cleaned.
2. Installation sprayed for insects.

Both sites are now polled weekly by HS and data is downloaded and available on the HS website.

Should you require any further information on this report please do not hesitate to contact me on 0420316459.

Phil Evison.

Hydrometric Consulting Services Pty Ltd

ABN 16 091 437 071

26 November 2021

Mary Wong
Graduate Environmental Engineer
Veolia Environmental Services Australia Pty Ltd

Re – Replacement of Bearings in the Wind Sensor at Clyde Weather Station

Dear Mary,

On 25 November 2021 Hydrometric Consulting Services (HCS) carried out the following work at the Clyde Weather Station:

- Supplied and installed new bearings in the wind sensor at 10 metres
- Serviced and cleaned the sensors at 10 metres.

The system is fully operational.

Should you require any further information please do not hesitate to contact me on 0402 134 092.



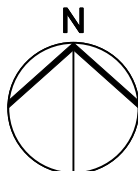
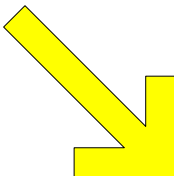


Glen Murphy



APPENDIX C:
FIELD AMBIENT ODOUR ASSESSMENT PLOT AND FIELD SHEET
(8 JUNE 2022)



DESCRIPTION Field Ambient Odour Assessment Survey Modified German Standard VDI 3940		LEGEND German Intensity Scale VDI3882 0 Not detectable 1 Very weak 2 Weak 3 Distinct 4 Strong 5 Very strong 6 Extremely strong		 Veolia (Australia) Pty Ltd Clyde Transfer Terminal, Clyde, NSW Field Ambient Odour Assessment Survey Survey Date: 8 June 2022 Survey Time Period: 1155 hrs to 1253 hrs		
	THE ODOUR UNIT PTY LTD Level 3, 12/56 Church Avenue MASCOT, NSW 2020 Phone: (02) 9209 4420 www.odourunit.com.au		DRAWN BY	I.FARRUGIA 28/07/2022	<u>Odour Audit XXXIX</u> Field Ambient Odour Assessment Survey	<u>Plot No.</u> N1473-XXXIX
			CHECKED	J.SCHULZ 28/07/2022		<u>Job No.</u>
			APPROVED	J.SCHULZ 28/07/2022		N1473L
		Local wind direction 		Local wind conditions Light wind speeds, with winds blowing from the northwest. No rainfall observed.		
				Refer to FAOA Logsheet N1473L-XXXIX for details on recorded odour detections		



THE ODOUR UNIT PTY LTD

Level 3, 12/56 Church Avenue
MASCOT NSW 2020

Phone: +61 2 9209 4420
Facsimile: +61 2 9209 4421
Email: info@odourunit.com.au
Internet: www.odourunit.com.au
ABN: 53 091 165 061

Field Ambient Odour Assessment Log Sheet

Date: 8 June 2022

Assessor: J. Schulz

Weather Conditions: Light wind speeds blowing from the northwest. No rainfall observed.

Survey Reference Plot No: N1473L-XXXVIII

GRIF REF. POSITION	MEASUREMENT TIME PERIOD (hrs)	WIND DIRECTION	WIND SPEED (m/s)	ODOUR PRESNT (Y/N)	ODOUR CHARACTER	VDI 3940 INTENSITY SCALE 0-6	COMMENTS
1	1155 – 1200	NW	1.0 – 3.0	N	--	0	--
2	1205 – 1210	NW	1.0 – 3.0	N	--	0	--
3	1214 – 1219	NW	1.0 – 3.0	N	--	0	--
4	1225 – 1230	NW	1.0 – 3.0	N	--	0	--
5	1240 – 1245	NW	1.0 – 3.0	N	--	0	--
6	1248 – 1253	NW	1.0 – 3.0	N	--	0	--



VEOLIA (AUSTRALIA) PTY LTD

Clyde Waste Transfer Terminal

Odour Audit XXXX

Final Report

December 2022

THE ODOUR UNIT PTY LTD

ABN 53 091 165 061
ACN 091 165 061

Level 3, Suite 12
56 Church Avenue
MASCOT, NSW 2020
P: +61 2 9209 4420

THE ODOUR UNIT (QLD) PTY LTD

ABN 87 102 255 765
ACN 102 255 765



2/57 Neumann Rd
CAPALABA, QLD 4157
P: +61 7 3245 1700
F: +61 7 3245 1800

E: info@odourunit.com.au

W: www.odourunit.com.au

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Project Number: N1473L

Report Revision		
Revision Number	Date	Description
Initial Draft Report	23.01.2023	Pending documentation from Client
Draft Report	14.03.2023	Draft report issued to the Client
Final Report	14.03.2023	Final report issued to the Client
Report Preparation		
Report Prepared By:	Approved By:	
		
Isaac Farrugia B. Eng (Chem) Consultant Engineer	Michael Assal MEngSc, B. Eng (Hon)/B. Sc., AMIChemE, MIEAust, CAQP Operations Manager	
Report Title: Veolia (Australia) Pty Ltd Clyde Waste Transfer Terminal – Odour Audit XXXX		

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LIST OF ABBREVIATIONS AND DEFINITIONS

FAOA	Field Ambient Odour Assessment
HCS	Hydrometric Consulting Services
the Draft OEMP	The draft version of the <i>Operational Environmental Management Plan</i> dated 6 November 2020
the February 2010 OMP	Odour Management Plan dated February 2010
the Odour Audit	Odour Audit XXXX covering the six months between 8 June 2022 and 21 December 2022
the September 2017 Container Preparation Document	Waste container preparation requirements for the Site
the September 2017 NSW RR Container Document	<i>NSW Resource Recovery – Container Maintenance</i> dated 15 September 2017
the Site	Veolia Clyde Transfer Terminal
TOU	The Odour Unit Pty Ltd
TTB	Transfer Terminal Building
Veolia	Veolia (Australia) Pty Ltd

UNITS OF MEASUREMENTS

°C	degrees Celsius
m/s	metres per second

1 INTRODUCTION

The Odour Unit Pty Ltd (**TOU**) was commissioned by Veolia (Australia) Pty Ltd (**Veolia**) to undertake the fortieth (**XXXX**) Odour Audit at the Clyde Transfer Terminal (the **Site**). The visit was undertaken on 21 December 2022 and is part of an on-going six-monthly odour audit surveillance program that has been completed since the commissioning of the forced air extraction system at the Site.

1.1 ODOUR AUDIT PERIOD

Odour Audit XXXX covers the period between 8 June 2022 and 21 December 2022 (the **Odour Audit**).

1.2 ODOUR AUDIT REQUIREMENTS

The Odour Audit requirements originate from the *Conditions of Consent – 48(f)* and are outlined as follows:

“48. The Odour Management Plan must address, but is not necessarily limited to, the following issues:

(f) An odour audit program which provides for a comprehensive odour audit of the premises and nearby commercial and residential areas, by an independent, appropriately qualified and experienced person, to be conducted 3-monthly for the initial 24 months of receiving un-containerised waste at the terminal, 3-monthly for the 12 months following commissioning the odour control system subject to MOD-133-11-2006, and 6-monthly thereafter, unless otherwise approved in writing by the Director-General.”

As with previous odour audits, Odour Audit XXXX focused on issues relating to general housekeeping, fugitive odour emissions from the transfer building, ground level odour impacts, meteorological monitoring, complaints handling, and actions on past odour audit recommendations. Specifically, the Odour Audit approach included:

- A general inspection and smoke testing of the transfer building;
- The inspection of the container packing area and site access roads;
- The examination of the complaint register;
- The review of the on-site meteorological data log and equipment maintenance/calibration;
- The analysis of relevant documentation relating to odour management; and
- The undertaking of an off-site downwind Field Ambient Odour Assessment (**FAOA**) survey.

1.3 PREVAILING WEATHER CONDITIONS

At the time of the Odour Audit visit, the prevailing weather conditions were light to moderate (2.0 – 4.0 metres per second (**m/s**)) wind speeds with the local wind direction blowing predominantly from the southeast. The skies were clear and the ambient temperature during the Odour Audit visit was between 17 and 21 degrees Celsius (**°C**) during the Odour Audit visit. No rainfall was observed during the Odour Audit visit.

2 ODOUR AUDIT FINDINGS

2.1 ASSESSMENT OF GENERAL HOUSEKEEPING

2.1.1 Transfer Terminal Building

During the Odour Audit visit, there were approximately 140 tonnes of waste on the floor. This tonnage is within the normal operating range of the Transfer Terminal Building (TTB). The TTB floor area not covered by waste material was observed to be reasonably clean, with little evidence of leachate or aged material. The general housekeeping procedures of the TTB were good, as found during several truck-unloading sequences. It was also observed that the TTB's front-end loaders cleared the floor area of waste on a regular basis, minimising the exposed area of waste.

As with previous audits, and consistent with TOU's experience at other waste transfer stations, there was a weak to distinct level of odour observed within the TTB. A photo of the waste on the floor as found during the Odour Audit visit is shown in Photo 2.1.



Photo 2.1 – TTB waste on-floor as found on 21 December 2022 (during a smoke test)

2.1.2 Container Packing Area and Site Roadways

The container packing area and site roadways were found to be clean and well managed with no evidence of waste or exposed leachate. Like previous odour audits, the container compacting/train packing area had a weak to distinct odour that was

intermittently detectable but was confined to this area only (refer to **Appendix B** for FAOA results). TOU was advised by a Veolia personnel that one of the two compactors were in operation at the time of the Odour Audit visit. The general housekeeping around this area was observed to be maintained to a high quality, with no evidence to suggest otherwise.

As with previous Odour Audits, the containers are cleaned off-site at Veolia's Woodlawn Bioreactor Facility before being returned to the Site. The weight of each container is monitored to determine if there is any waste that has not been removed completely from each container, which in turn reduces the likelihood of the containers contributing to the Site's odour levels.

2.1.2.1 Container Management and Maintenance

Based on previous discussions with the Veolia team and observations made during the visit, the Odour Audit finds that Veolia continues to implement the policies and procedures as outlined in the following documents:

- The container management and maintenance procedures titled *NSW Resource Recovery – Container Maintenance* dated 15 September 2017 (the **September 2017 NSW RR Container Document**), which details the following:
 - The design of the containers;
 - The maintenance and management of the activated carbon filter retrofitted to the containers;
 - The container management procedure; and
 - The container maintenance procedure.
- The waste container preparation requirements for the Site (the **September 2017 Container Preparation Document**), which details the following:
 - The inspections and actions to be undertaken by operators to enable containers to be prepared to an acceptable standard;
 - The steps to be undertaken should a damaged container be identified; and
 - The steps to be undertaken should a leaking container be identified.

2.1.3 Odour Management Plan

As per the Odour Management Plan dated February 2010 (the **February 2010 OMP**) for the Site, following the compaction of waste, all filled containers are entirely sealed and remain so while at the Site. All containers used are required to be in good condition, and unused/returned containers adequately clean. The Odour Audit finds that this continues to be current practice at the Site. A view of the condition of the container area as found on 21 December 2022 is shown in **Photo 2.2**.



Photo 2.2 – A view of the container area as found on 21 December 2022

2.1.4 Odour Extraction System Maintenance

The service documentation for the maintenance of the odour extraction system was supplied and reviewed as part of the Odour Audit (refer to **Appendix A**). The service logs were provided covering the period between June 2022 to December 2022.

Each service log provided to the Odour Audit indicated that the required inspection and maintenance works were taking place by a suitable service contractor, and the odour extraction system overall was operating efficiently. The service logs during this period noted that all the necessary support works such as checking the fan belts and unit operations, greasing bearings, component replacement, and other routine preventative maintenance works were being inspected and undertaken.

Given the above and based on the positive results obtained for the smoke testing, odour complaints register, and the FAOA survey conducted as part of the Odour Audit visit, it appears that the current operation of the odour extraction system is satisfactory.

2.1.5 Odour Management Procedures/Plan

The Odour Management Procedures (formerly known as the Odour Minimising Procedures) continue to be regularly reviewed at toolbox meetings, and contemporary issues/recommendations are raised with all staff members at these meetings.

Veolia has advised The Odour Audit that the February 2010 OMP is still in the process of being reviewed and updated. However, TOU was provided a copy of the draft

Operational Environmental Management Plan for the Site dated 6 November 2020 (the **Draft OEMP**). Upon finalisation of the Draft OEMP and consolidation of all referenced documents, the Odour Audit will review this document in its entirety. Nevertheless, the annual review and commitment to continuous improvement to the operational and environmental management procedures and practices at the Site is endorsed by the Odour Audit.

2.1.6 Transfer Terminal Building

The Odour Audit inspected the fixed metal plates retrofitted along the TTB breezeways in December 2013. All metal plates were found to be intact and in good condition around the TTB. All doors and roller shutters of the TTB were found to be shut at the time of the Odour Audit, reducing the likelihood of odour impacts detected off-site. The louvres on the end walls of the TTB were observed to be permanently shut.

2.1.7 Truck Entrance Plastic Strips

The truck entrance plastic strips of the TTB, used to reduce odour escaping through the opening, were found to be superficially damaged and in a state to function and effectively reduce air movement at the top section of the truck entrance (refer to **Photo 2.3**).



Photo 2.3 – A view of the truck entrance plastic strips as found on 21 December 2022

2.1.8 Smoke Testing

As per previous audits, smoke testing was carried out within the TTB to assist in determining the effectiveness of the forced air extraction system, as well as the extent to which the TTB has been sealed from leaks. As per previous audits, smoke was released from within the TTB at three points within the TTB. **Figure 2.1** shows the three points where the smoke was released within the TTB. **Photo 2.4** shows smoke testing at the truck entrance of the TTB, which reflects an additional test location to the normal smoke testing release points shown in **Figure 2.1**.

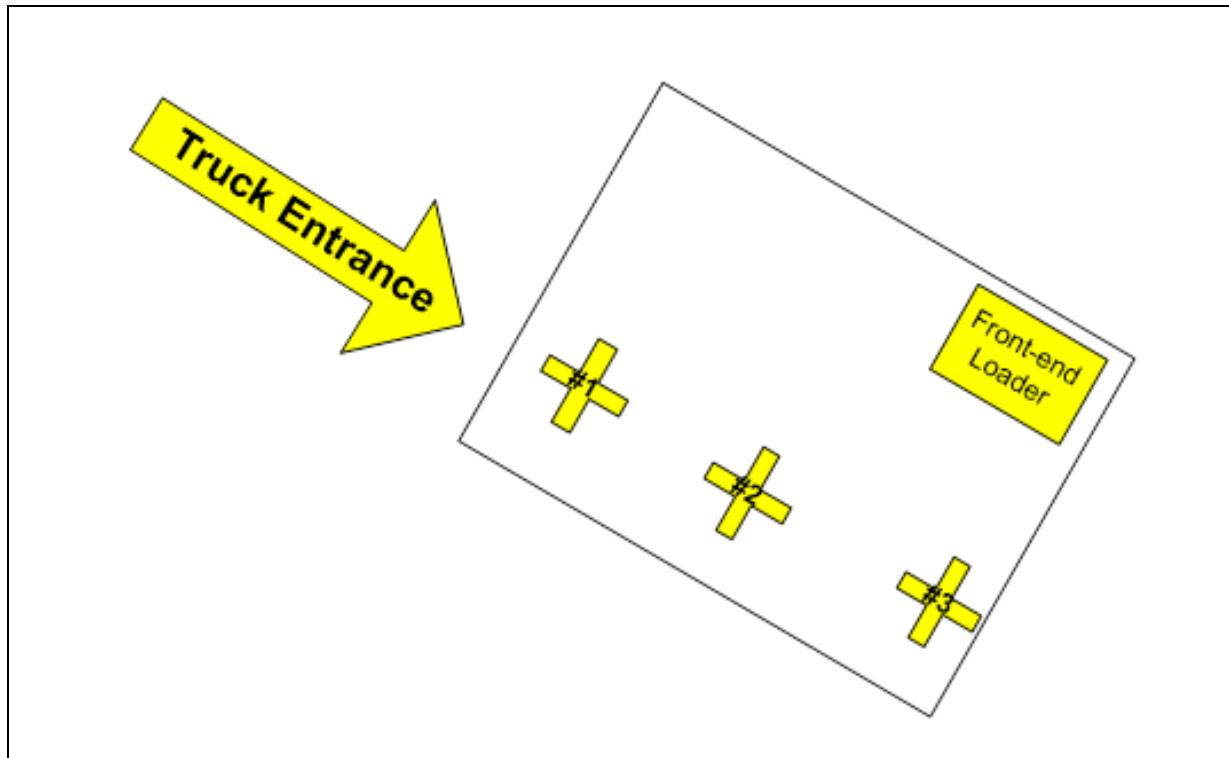


Figure 2.1 – Smoke testing release points within the TTB on 21 December 2022



Photo 2.4 – A view of the truck entrance plastic strips during smoke testing on 21 December 2022

2.1.8.1 Smoke Testing Results

Smoke Testing Point #1

The smoke released at this point initially moved horizontally inwards and gradually rose towards the extraction system. Visible smoke extraction at the overhead capture points was evident during the smoke testing at this point.

Smoke Testing Point #2

The smoke released at this point gradually rose towards the roof and then towards the extraction system.

Smoke Testing Point #3

The smoke released at this point revealed a similar result to that documented for smoke testing point #2.

2.2 ODOUR COMPLAINTS HANDLING AND METEOROLOGICAL DATA

2.2.1 **Odour Complaints Handling**

As advised by Veolia personnel, there continue to have been no complaints recorded in the Site's complaints register since March 2012.

2.2.2 **Meteorological Data**

The meteorological data provided to the Odour Audit, covering the period of between June 2022 and December 2022, was inspected and found to be in good order. As found in previous Odour Audits, the observations were provided in daily 15-minute intervals and included all parameters necessary to develop a meteorological dataset for odour dispersion modelling.

As indicated via service records completed by Hydrometric Consulting Services (**HCS**) supplied by Veolia to the Odour Audit, the weather station continues to remain located in an accessible area with the solar panel and components regularly cleaned, and installation sprayed periodically for insects and trimming of nearby vegetation as required to ensure no overgrowth immediately around the weather station pole. Overall, HCS indicated that the weather stations were operating well, and any identified issues were rectified. The weather data calibration and service reports by HCS are appended as **Appendix B**.

2.3 FIELD AMBIENT ODOUR ASSESSMENT METHODOLOGY

At present, no Australian Standard exists for field-based ambient odour assessment surveys. Consequently, TOU utilises a method for assessing the ground-level impacts of odour emissions using a modified version of the German Standard VDI 3940 (1993) – *'Determination of Odorants in Ambient Air by Field Inspections'*.

Field-based ambient odour surveys are considered a valuable odour impact assessment tool as previous experience with ambient odour sampling and subsequent olfactometry testing suggests that accurate and useful ambient odour concentration data is difficult to obtain. Therefore, TOU has adopted a more practical approach based

on the field measurement of odour intensity. With this method, calibrated and experienced odour specialists traverse the downwind surrounds of odour sources in a strategically mapped pattern, assessing the presence, character and intensity of any odours encountered and recording these observations along with wind speed and direction.

An ambient odour assessment was performed on 21 December 2022 between 1411 hrs and 1453 hrs. The FAOA survey was undertaken at strategic off-site locations during the Odour Audit due to prevailing meteorological conditions. The ambient odour assessment focus was off-site, as required by the Conditions of Consent on “.....*nearby commercial and residential areas*.....” (Section 48 (f)). The TOU assessor firstly determined the wind direction using a Kestrel 4500 Pocket Weather Tracker Anemometer and then assessed upwind and downwind locations of the TTB.

The assessors spent approximately five minutes at each assessment location to gauge the effects of any odour impact. If an odour was detected at a location, the assessors attempted to characterise it. The general aim was to determine the extent of the impact of odours off-site and rank their intensity. The ranking scale for the German Standard VDI 3940 ‘*Determination of Odorants in Ambient Air by Field Inspections*’ was used for the intensity assessments. The standard’s ranking system is based on the following seven-point intensity scale, as shown in Table 2.1.

Table 2.1 – VDI 3882 Odour Intensity Categories		
Odour Strength	Intensity Rank (code)	TOU Interpretation (meaning)
Not detectable	0	No odour detected
Very weak	1	Odour detected but not strong enough to be characterised
Weak	2	Odour is weak but just able to be characterised
Distinct	3	Odour is distinct and easily characterised
Strong	4	Strong odour detectable
Very Strong	5	If offensive, the observer may consider moving from the area
Extremely Strong	6	Odour is sufficiently over-powering that assessor moves from the area

2.3.1 Field Ambient Odour Assessment – Results

The results of the FAOA survey conducted during the Odour Audit found that whilst intermittent odours were detected on-site, no odours were detectable off-site that could be linked back to the Site and its activities. This is a good outcome and reflects the findings from previous odour audits. The field log sheets, and visual survey plot are appended as **Appendix C**.

3 RECOMMENDATIONS/FOLLOW-UP ACTIONS

3.1 PREVIOUS AUDIT ACTIONS

The following list provides an outline of the last June 2022 odour audit actions and status as of the Odour Audit:

- **Previous Audit Action 1:** *Action 1 – Continue with the on-going review and commitment to continuous improvement of the Draft OEMP and referenced documents.*
- **Status:** On-going and will be reassessed in the next odour audit.

3.2 TRANSFER TERMINAL BUILDING

All metal plates were found to be intact and in good condition around the TTB. All doors and roller shutters of the TTB were found to be shut at the time of the Odour Audit, reducing the likelihood of odour impacts detected off-site. The louvres on the end walls of the TTB were observed to be permanently shut. The truck entrance plastic strips were superficially damaged, but functional and effective. Overall, the TTB was found to be well managed.

Based on the findings in the Odour Audit, the following action is recommended:

- **No further action is required at this stage.**

3.3 COMPACTOR AREA

The general housekeeping around the compactor area was observed to be of high quality, with no evidence to suggest otherwise. As with previous Odour Audits, the container compacting/train packing area had a weak to distinct odour that was intermittently detectable but was found to be confined to this area only.

Based on the findings in this Odour Audit, the following action is recommended:

- **No further action is required at this stage.**

3.4 ODOUR EXTRACTION SYSTEM

The service logs indicate that all required maintenance works on the odour extraction system since the previous June 2022 odour audit have been adequately undertaken, and the odour extraction system is operating in a satisfactory condition.

Based on the findings in the Odour Audit, the following action is recommended:

- **No further action is required at this stage.**

3.5 WEATHER STATION

The dataset obtained from the weather station was found to be adequate. Moreover, the calibration and service reports from HCS indicate that all maintenance to the weather station and required calibrations were carried out as needed.

Based on the findings in the Odour Audit, the following action is recommended:

- **No further action is required at this stage.**

3.6 OFF-SITE ODOUR IMPACTS

The results of the FAOA survey conducted during the Odour Audit found that no odours were detectable off-site that could be linked back to the Site and its activities.

Based on the findings in the Odour Audit, the following action is recommended:

- **No further action is required at this stage.**

3.7 ODOUR MANAGEMENT PROCEDURES/PLAN

At the timing of the writing of the Odour Audit, the February 2010 OMP was last updated over eight years ago. Given the previous update, it is suggested that as part of good practice that Veolia reviews and update the February 2010 OMP to ensure it continues to reflect the odour management procedures implemented and followed at the Site. TOU was provided a copy of the Draft OEMP. Upon finalisation of the Draft OEMP and consolidation of all referenced documents, the Odour Audit will review this document in its entirety. Nevertheless, the annual review and commitment to continuous improvement to the operational and environmental management procedures and practices at the Site is endorsed by the Odour Audit.

Based on the findings in this Odour Audit, the following action/s is recommended:

- **Action 1 – Continue with the on-going review and commitment to continuous improvement of the Draft OEMP and referenced documents.**

3.8 CONCLUDING REMARK

Overall, this Odour Audit found that the operation and maintenance of the odour management system at the Site was excellent. There was no evidence to suggest that significant fugitive odour emission release from the Site is occurring.

The next Odour Audit is due in **June 2023**.



VEOLIA (AUSTRALIA) PTY LTD

Clyde Waste Transfer Terminal

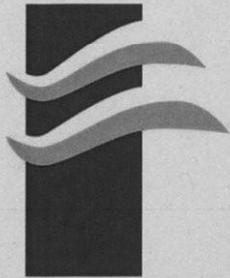
Odour Audit XXXX

Appendices

December 2022



APPENDIX A:
ODOUR EXTRACTION SYSTEM SERVICE REPORTS
(JUNE 2022 – DECEMBER 2022)



Independent Air Flow Services



Accredited by the National Association of Testing Authorities No. 3098

A.B.N. 55 066 984 610

PO Box 4469, North Rocks NSW 2151

Telephone: 1300 004 237

Mobile: 0488 400 072

E-mail: independentairflow@optusnet.com

Web Address: www.independentairflow.com.au

Accredited for compliance with ISO/IEC 17025- Testing

The results of the tests, calibrations and / or measurements included in this document
are traceable to Australian / National Standards

NATA is a signatory to the APLAC mutual recognition arrangement for the mutual
recognition of the equivalence of testing, calibration and inspection of reports

Accreditation No: **3098**

This document shall not be reproduced except in full

TEST REPORT

DATE: 05/12/2022

LOCATION: EAF 1 & 2 | Disposal Shed

Clyde Transport Terminal (Veolia) | 321 Parramatta Road, AUBURN NSW

CLIENT: Equilibrium Air Conditioning

ADDRESS: Unit 7, 38 Brookhollow Avenue

NORWEST NSW

POST CODE: 2153

CONTACT: Steve Seretis

PHONE NO: (02) 9439 4822

CERTIFICATE NO: SH341/22

Clyde Transport Terminal (Veolia)

EAF 1 & 2 | Disposal Shed

EQUIPMENT	SERIAL NUMBERS	CALIBRATION DUE
Anemometer	T57251334001	May 2023
Manometer	T58252216002	June 2023

TEST METHOD	TEST DESCRIPTION	TEST REQUIREMENT	PAGE	RESULTS	PASS/FAIL
AS/NZS14644.3 (Clause B.4.3.2)	Supply Airflow Rate Calculate from Exhaust Face Velocity	N/A	Page 6	21 Air Changes Per Hour	RECORDED

REMARKS AND RECOMMENDATIONS

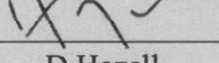
Exhaust Grille Baffles 9 & 10 are becoming excessively Blocked and Covered with Dirty/Grime.

Access to Exhaust Grilles Via Outside Stair Cases

Extraction Fan 1 & 2 Motor Make HG | Motor Frame Y315S

Tested By: D.Hazell

Recommended Next Test: December 2023

Checked/Accredited Signatory: 
D.Hazell

Date of Issue: 07/12/2022

Clyde Transport Terminal (Veolia) Signatory _____

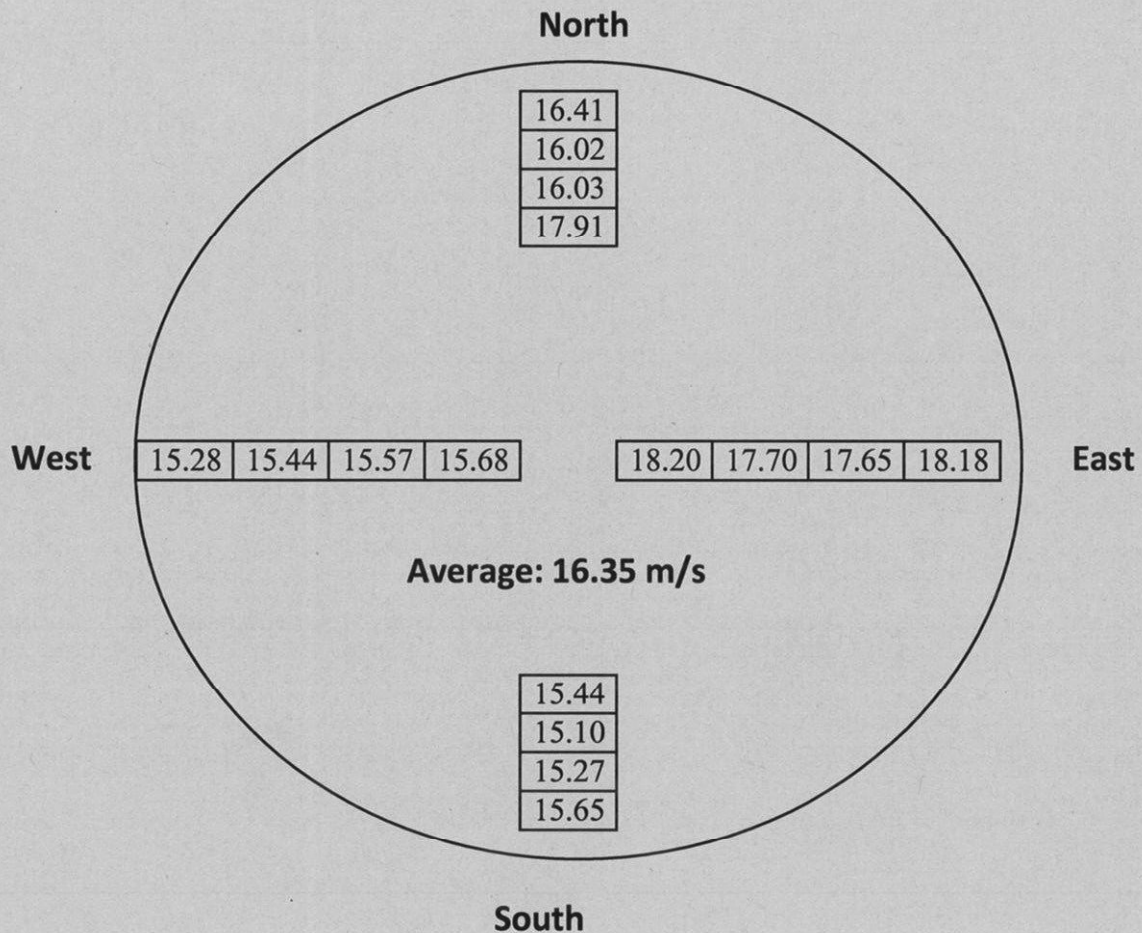
Certificate No: SH341/22

Clyde Transport Terminal (Veolia)

Exhaust Stack

AIR VELOCITY

SUPPLY AIRFLOW VELOCITY (Clause B.2.2.2)



All readings in meter per second - m/s

Correction Factors (Already Applied)

>5.01	0.00
-------	------

All Velocities recorded at a distance of aprox 150 mm from Exhaust Grille Face

Certificate No: SH341/22

Clyde Transport Terminal (Veolia)

Exhaust Stack

PHOTO - NOT TO SCALE



Certificate No: SH341/22

Clyde Transport Terminal (Veolia)

Western Side | Exhaust Grilles

AIR VELOCITY

SUPPLY AIRFLOW VELOCITY *(Clause B.2.2.2)*

Exhaust Grille 1

4.45	4.48	AVG: 4.47
4.75	4.21	

Exhaust Grille 2

4.60	3.75	AVG: 4.20
4.35	4.09	

Exhaust Grille 3

5.10	5.05	AVG: 5.22
5.63	5.10	

Exhaust Grille 4

5.03	5.50	AVG: 5.40
6.33	4.74	

Exhaust Grille 5

6.41	6.27	AVG: 6.34
6.58	6.11	

Exhaust Grille 6

5.58	6.03	AVG: 6.22
7.30	5.97	

Exhaust Grille 7

6.84	4.74	AVG: 5.59
5.38	5.38	

Exhaust Grille 8

7.75	6.00	AVG: 6.82
7.55	5.97	

All readings in meter per second - m/s

Correction Factors (Already Applied)

>5.01	0.00
-------	------

All Velocities recorded at a distance of aprox 150 mm from Exhaust Grille Face

Certificate No: SH341/22

Clyde Transport Terminal (Veolia)

Eastern Side | Exhaust Grilles

AIR VELOCITY

SUPPLY AIRFLOW VELOCITY (Clause B.2.2.2)

Exhaust Grille 9

9.23	9.21	AVG: 8.90
8.88	8.27	

Exhaust Grille 10

7.97	6.81	AVG: 7.54
7.93	7.44	

Exhaust Grille 11

9.12	9.58	AVG: 9.39
8.63	10.22	

Exhaust Grille 12

8.36	9.31	AVG: 8.72
7.94	9.25	

Exhaust Grille 13

7.09	7.73	AVG: 7.20
6.67	7.31	

Exhaust Grille 14

6.82	6.60	AVG: 6.61
6.31	6.71	

Exhaust Grille 15

5.95	5.30	AVG: 5.69
5.84	5.65	

All readings in meter per second - m/s

Correction Factors (Already Applied)

>5.01	0.00
-------	------

All Velocities recorded at a distance of approx 150 mm from Exhaust Grille Face

Certificate No: SH341/22

Clyde Transport Terminal (Veolia)

EAF 1 & 2 | Disposal Shed

Test Method: AS ISO14644.3 Method B.2(Clause B.2.3.2) - Air Change Rate

TOTAL AIR QUANTITIES

Air Quantity is determined thus : Average Velocities x Face Area x 3.6×10^3

Exhaust Grille	Face Area Calculation	Face Area m ²	Average Velocity m/s	Air Quantity m ³ /h
1	1.200 x 1.200	1.440	4.47	23172.48
2	1.200 x 1.200	1.440	4.20	21772.80
3	1.200 x 1.200	1.440	5.22	27060.48
4	1.200 x 1.200	1.440	5.40	27993.60
5	1.200 x 1.200	1.440	6.34	32866.56
6	1.200 x 1.200	1.440	6.22	32244.48
7	1.200 x 1.200	1.440	5.59	28978.56
8	1.200 x 1.200	1.440	6.82	35354.88
9	1.200 x 1.200	1.440	8.90	46137.60
10	1.200 x 1.200	1.440	7.54	39087.36
11	1.200 x 1.200	1.440	9.39	48677.76
12	1.200 x 1.200	1.440	8.72	45204.48
13	1.200 x 1.200	1.440	7.20	37324.80
14	1.200 x 1.200	1.440	6.61	34266.24
15	1.200 x 1.200	1.440	5.69	29496.96
Total Air Quantity				509639.04

AIR CHANGES PER HOUR

Air Changes per Hour = Air Quantity divide by Room Volume

Room	Air Quantity m ³ /h	Volume m ³	Air Changes Per Hour	*PASS / FAIL
Disposal Shed	509639.04	24558.00	21	RECORDED

*** Requirement:** Clyde Transport Terminal (Veolia) Set Recorded Air Changes Per Hour

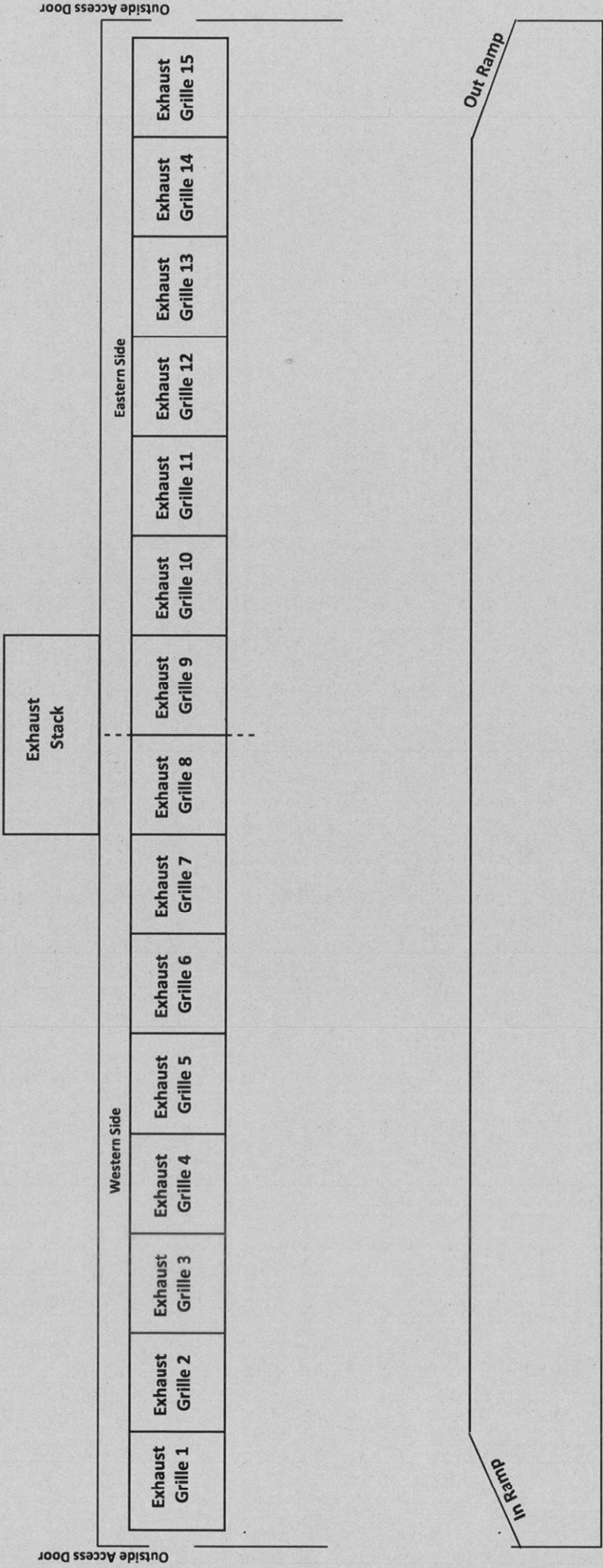
IF APPLICABLE ALL SCREENS REMOVED FOR FACE AREA CALCULATIONS

Face Area Calculation and Room Volume completed using Tape Measure Serial No: SA01

Certificate No: SH341/22

Clyde Transport Terminal (Veolia)

EA1 & 2 | Disposal Shed



Clyde Transport Terminal (Veolia)

EAF 1 & 2 | Disposal Shed

PHOTO - NOT TO SCALE

Western Side



Eastern Side



Certificate No: SH341/22

Equilibrium Air Conditioning Services Pty Ltd

ABN 51 844 035 531

Telephone: (02) 9439 4822

service@eqac.com.au

PO Box 7996

Norwest NSW 2153



CUSTOMER JOB NO. 32746 - Steve Hortis

Project Name Monthly Maintenance

Date Created 01/06/2022

PO # 7100337757

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pyrmont NSW 2009
Contact Bob Manevski
Telephone (02) 9841 2802
Mobile 0412 275 133
Email bob.manevski@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of June

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Marcus Jackson (16/06/2022) - Work Note

Carried out scheduled inspection and maintenance of A/C system and extraction fans.
Checked belts on extraction fans for correct tension, damage and wear, found the belts to be in good condition.
Checked pulleys for wear and damage, all ok.
Checked fan motors for operation and condition, all ok.
Checked VSD drives for abnormalities and condition, all ok.
Greased fan bearings and motors.
Cleaned all filters in site office and weigh bridge
Flushed all the drains
Checked coil condition and electrical terminals, all ok.

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service@eqac.com.au

PO Box 7996
Norwest NSW 2153



CUSTOMER JOB NO. 32746 - Steve Hortis

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer:

_____	_____
Print Name	Signature

Technician:

_____	_____
Print Name	Signature

Equilibrium Air Conditioning Services Pty Ltd

ABN 51 844 035 531

Telephone: (02) 9439 4822

service@eqac.com.au

PO Box 7996

Norwest NSW 2153



CUSTOMER JOB NO. 32829 - 3051 - Ben Eldridge Preventative Maintenance

Project Name Monthly Maintenance

Date Created 29/06/2022

PO # 7100337757

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pymont NSW 2009
Contact Bob Manevski
Telephone (02) 9841 2802
Mobile 0412 275 133
Email bob.manevski@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Ben Eldridge (14/07/2022) - Work Note

Carried out maintenance for month of July.
Checked site office split systems and weigh bridge.
Checked / washed filters where required.
Tested operation in heating. All systems tested ok.
Checked Belts on Extraction Fan 1&2
Belts - ok
Belt tension requires, slight adjustment.
Return to site to adjust tension.
Checked operation of Extraction Fan-1&2 tested ok.
Checked VSD Extraction fan 1&2.
VSD tested - ok

Completed Asset register.

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Norwest NSW 2153



CUSTOMER JOB NO. 32829 - 3051 - Ben Eldridge
Preventative Maintenance

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer:

joe

Print Name

Signature

Technician:

Ben Eldridge

Print Name

Signature

Equilibrium Air Conditioning Services Pty Limited
Unit 7, 38 Brookhollow Ave
Norwest, NSW 2153
Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 32829
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 14/07/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Asset Register - Air-Cooled DX units / Split Systems							
Asset ID	Unit ID	Unit Location	Brand	Model Number	Serial Number	Serving	Pass / Fail
3253	Change room RAC	Changeroom	TECO	TWW16CFCG		Change room	Pass
3248	Manager office Wall AC	Manager office	Mitsubishi Electric	MSZ-GE35VAD	0000533	Manager's office	Pass
3249	Administration office Wall AC	Administration office	Samsung	AR09FSSSCWKN		Administration office	Pass
3250	Comms room Wall AC	Comms room	Mitsubishi Electric	MSZ-AP25VGD	0029477	Comms room	Pass
3251	Meeting room Wall AC	Meeting room	Samsung	AR12FSFSDURN	0BLAPAJFA00098 V	Meeting room	Pass
3252	Lunch room Wall AC	Lunch room	Mitsubishi Electric	MSZ-GE35VAD	8003334	Lunchroom	Pass
3285	Weighbridge office wall split AC	Weighbridge office	Panasonic	CU-E12PKR	6534700845	Weighbridge office	Pass

Asset Register - Fans							
Asset ID	Unit ID	Unit Location	Brand	Model Number	Serial Number	Serving	Pass / Fail
3879	Extraction Fan-1	Roof plant room	HG	Y315S		Waste area	Pass
3880	Extraction Fan-2	Roof plant room	HG	Y315S		Waste area	Pass

Asset Register - VSD							
Asset ID	Unit ID	Unit Location	Brand	Model No	Serial No	Serving	Pass / Fail
3881	VSD Extraction Fan-1	Roof plant room	Danfoss	131B8508		Extraction Fan-1	Pass

Equilibrium Air Conditioning Services Pty Limited
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Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 32829
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 14/07/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Asset Register - VSD						
Asset ID	Unit ID	Unit Location	Brand	Model No	Serial No	Serving
3882	VSD Extraction Fan-2	Roof plant room	Danfoss	131B8508		Extraction Fan-2
						Date
						14/07/2022
						Service
						Monthly
						Pass / Fail
						Pass

Description Of Work

Attend Site and carry out maintenance for the month of

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Comments / Recommendations

**Equilibrium Air Conditioning Services Pty
Limited**
Unit 7, 38 Brookhollow Ave
Norwest, NSW 2153
Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 32829
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 14/07/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Technician (Print Name):

Ben Eldridge

Technician (Signature):



Licence No.

L123305

Customer (Print Name):

joe

Customer (Signature):





CUSTOMER JOB NO. 32909 - 3133 - Kyle Dempsey
Preventative Maintenance

Project Name Monthly Maintenance - August

Date Created 03/08/2022

PO # 7100337757

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pyrmont NSW 2009
Contact Bob Manevski
Telephone (02) 9841 2802
Mobile 0412 275 133
Email bob.manevski@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of August 2022

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Kyle Dempsey (05/08/2022) - Work Note

Conducted maintenance on 2 extraction fans serving the compactor pit.

Firstly isolated power

Airflow sensor alarm had tripped so checked on sensors

One had fallen off the mount.

Re-installed sensor and cleaned out tubing.

Checked belts and pulleys

Checked condition of VSDs

Cleaned off dust and dirt off motor.

Turned power back on to fans and tested to run and also testing the sensors.

Operations are now running normally.

Conducted maintenance on AC systems in the administration office and weighbridge office which includes 6 wall split systems and 3 Room Air Conditioners (RACs).

Cleaned filters

Flushed out condensate drains

Tested operations of each system in full cooling and heating mode and high fan speed

Checked electrical components

Checked for faults and/or damage to units

Checked airflows are sufficient

Equilibrium Air Conditioning Services Pty Ltd
ABN 51 844 035 531

Telephone: (02) 9439 4822
service@eqac.com.au

PO Box 7996
Norwest NSW 2153





CUSTOMER JOB NO. 32909 - 3133 - Kyle Dempsey
Preventative Maintenance

Checked room temperatures are matching setpoint.
All tested okay.

For outdoor units
Checked electrical components
Checked wiring for damaged cables and tightened terminals
Checked pipework for leaks or damage
Checked units for faults or damage
Checked condition of outdoor coils.
All tested okay.

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer:	Rod Jones	
	Print Name	Signature
Technician:	Kyle Dempsey	
	Print Name	Signature

Asset Register - VSD									
Asset ID	Unit ID	Unit Location	Brand	Model No	Serial No	Serving	Date	Service	Pass / Fail
3881	VSD Extraction Fan-1	Roof plant room	Danfoss	131B8508		Extraction Fan-1	05/08/2022		Pass
Notes	Operations are running normally, no faults or damage to report.								

Asset Register - Air-Cooled DX units / Split Systems									
Asset ID	Unit ID	Unit Location	Brand	Model Number	Serial Number	Serving	Date	Service	Pass / Fail
3248	Manager office Wall AC	Manager office	Mitsubishi Electric	MSZ-GE35VAD	0000533	Manager's office	05/08/2022		Pass
Notes	-Filters have been cleaned, flushed condensate drain, tested operations of system in full cooling and heating mode and high fan speed, checked electrical components, checked for faults and/or damage to unit, checked airflow is sufficient, checked room temperature is matching setpoint. All tested okay. - for outdoor unit, checked electrical components, checked wiring for damaged cables and tightened terminals, checked pipework for leaks or damage, checked unit for faults or damage, checked condition of outdoor coil. All tested okay.								
3249	Administration office Wall AC	Administration office	Samsung	AR09FSSSCWKN		Administration office	05/08/2022		Pass
Notes	--Filters have been cleaned, flushed condensate drain, tested operations of system in full cooling and heating mode and high fan speed, checked electrical components, checked for faults and/or damage to unit, checked airflow is sufficient, checked room temperature is matching setpoint. All tested okay. - for outdoor unit, checked electrical components, checked wiring for damaged cables and tightened terminals, checked pipework for leaks or damage, checked unit for faults or damage, checked condition of outdoor coil. All tested okay.								
3250	Comms room Wall AC	Comms room	Mitsubishi Electric	MSZ-AP25VGD	0029477	Comms room	05/08/2022		Pass
Notes	--Filters have been cleaned, flushed condensate drain, tested operations of system in full cooling and heating mode and high fan speed, checked electrical components, checked for faults and/or damage to unit, checked airflow is sufficient, checked room temperature is matching setpoint. All tested okay. - for outdoor unit, checked electrical components, checked wiring for damaged cables and tightened terminals, checked pipework for leaks or damage, checked unit for faults or damage, checked condition of								

	outdoor coil. All tested okay.							
3251	Meeting room Wall AC	Meeting room	Samsung	AR12FSFS DURN	0BLAPAJFA00098 V	Meeting room	05/08/2022	Pass
Notes	--Filters have been cleaned, flushed condensate drain, tested operations of system in full cooling and heating mode and high fan speed, checked electrical components, checked for faults and/or damage to unit, checked airflow is sufficient, checked room temperature is matching setpoint. All tested okay.							
	- for outdoor unit, checked electrical components, checked wiring for damaged cables and tightened terminals, checked pipework for leaks or damage, checked unit for faults or damage, checked condition of outdoor coil. All tested okay.							
3252	Lunch room Wall AC	Lunch room	Mitsubishi Electric	MSZ-GE35VAD	8003334	Lunchroom	05/08/2022	Pass
Notes	--Filters have been cleaned, flushed condensate drain, tested operations of system in full cooling and heating mode and high fan speed, checked electrical components, checked for faults and/or damage to unit, checked airflow is sufficient, checked room temperature is matching setpoint. All tested okay.							
	- for outdoor unit, checked electrical components, checked wiring for damaged cables and tightened terminals, checked pipework for leaks or damage, checked unit for faults or damage, checked condition of outdoor coil. All tested okay.							
3253	Change room RAC	Changeroom	TECO	TWW16CF CG		Change room	05/08/2022	Pass
Notes	Filters have been cleaned, flushed condensate drain, tested operations of system in full cooling and heating mode and high fan speed, checked electrical components, checked for faults and/or damage to unit, checked airflow is sufficient, checked room temperature is matching setpoint. All tested okay.							
3285	Weighbridge office wall split AC	Weighbridge office	Panasonic	CU-E12PKR	6534700845	Weighbridge office	05/08/2022	Pass
Notes	--Filters have been cleaned, flushed condensate drain, tested operations of system in full cooling and heating mode and high fan speed, checked electrical components, checked for faults and/or damage to unit, checked airflow is sufficient, checked room temperature is matching setpoint. All tested okay.							
	- for outdoor unit, checked electrical components, checked wiring for damaged cables and tightened terminals, checked pipework for leaks or damage, checked unit for faults or damage, checked condition of outdoor coil. All tested okay.							

Equilibrium Air Conditioning Services Pty Limited
Unit 7, 38 Brookhollow Ave
Norwest, NSW 2153
Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 32909
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 05/08/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Asset Register - Fans									
Asset ID	Unit ID	Unit Location	Brand	Model Number	Serial Number	Serving	Date	Service	Pass / Fail
3879	Extraction Fan-1	Roof plant room	HG	Y315S		Waste area	05/08/2022		Pass
Notes	- belts and pulleys are okay, bearings are okay, cleaned up dust and dirt from housing and motor, cleaned out sensor. All tested okay.								
	- Remounted and cleaned out velocity sensor after alarm had tripped. Operations now running normally.								
3880	Extraction Fan-2	Roof plant room	HG	Y315S		Waste area	05/08/2022		Pass
Notes	-- belts and pulleys are okay, bearings are okay, cleaned up dust and dirt from housing and motor, cleaned out sensor. All tested okay.								

Asset Register - VSD									
Asset ID	Unit ID	Unit Location	Brand	Model No	Serial No	Serving	Date	Service	Pass / Fail
3882	VSD Extraction Fan-2	Roof plant room	Danfoss	131B8508		Extraction Fan-2	05/08/2022		Pass
Notes	-Operations are running normally, no faults or damage to report.								

Description Of Work

Attend Site and carry out maintenance for the month of August 2022

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

**Equilibrium Air Conditioning Services Pty
Limited**

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Asset Record - Job No. 32909

Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 05/08/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Kyle Dempsey (05/08/2022) - Work Note

Conducted maintenance on 2 extraction fans serving the compactor pit.

Firstly isolated power

Airflow sensor alarm had tripped so checked on sensors

One had fallen off the mount.

Re-installed sensor and cleaned out tubing.

Checked belts and pulleys

Checked condition of VSDs

Cleaned off dust and dirt off motor.

Turned power back on to fans and tested to run and also testing the sensors.

Operations are now running normally.

Conducted maintenance on AC systems in the administration office and weighbridge office which includes 6 wall split systems and 3 Room Air Conditioners (RACs).

Cleaned filters

Flushed out condensate drains

Tested operations of each system in full cooling and heating mode and high fan speed

Checked electrical components

Checked for faults and/or damage to units

Checked airflows are sufficient

Checked room temperatures are matching setpoint.

All tested okay.

For outdoor units

Checked electrical components

Checked wiring for damaged cables and tightened terminals

Checked pipework for leaks or damage

**Equilibrium Air Conditioning Services Pty
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Asset Record - Job No. 32909
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 05/08/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Checked units for faults or damage
Checked condition of outdoor coils.
All tested okay.

Comments / Recommendations

Technician (Print Name):

Kyle Dempsey

Technician (Signature):



Licence No.

L141692

Customer (Print Name):

Customer (Signature):

Rod Jones





CUSTOMER JOB NO. 33032 - 3256 - Marcus Jackson
Preventative Maintenance

Project Name Monthly Maintenance

Date Created 27/09/2022

PO # 7100337757

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pyrmont NSW 2009
Contact Bob Manevski
Telephone (02) 9841 2802
Mobile 0412 275 133
Email bob.manevski@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of October

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Marcus Jackson (04/10/2022) - Work Note

Arrived on site to carry out inspection and maintenance of A/C system and extraction fans.

Checked operation and condition of all site office units, cleaned filters, flushed drains and checked supply temperatures, all ok.

Checked VSD in plantroom for extraction fans, all ok.

Checked extraction fan belts all ok.

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.

Customer: Rod Jones

Print Name

Signature

Technician: Marcus Jackson

Print Name

Signature

**Equilibrium Air Conditioning Services Pty
Limited**
Unit 7, 38 Brookhollow Ave
Norwest, NSW 2153
Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 32959
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 01/09/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Asset Register - VSD									
Asset ID	Unit ID	Unit Location	Brand	Model No	Serial No	Serving	Date	Service	Pass / Fail
3881	VSD Extraction Fan-1	Roof plant room	Danfoss	131B8508		Extraction Fan-1	01/09/2022		Pass

Asset Register - Air-Cooled DX units / Split Systems									
Asset ID	Unit ID	Unit Location	Brand	Model Number	Serial Number	Serving	Date	Service	Pass / Fail
3248	Manager office Wall AC	Manager office	Mitsubishi Electric	MSZ-GE35VAD	0000533	Manager's office	01/09/2022		Pass
3249	Administration office Wall AC	Administration office	Samsung	AR09FSSSCWKN		Administration office	01/09/2022		Pass
3250	Comms room Wall AC	Comms room	Mitsubishi Electric	MSZ-AP25VGD	0029477	Comms room	01/09/2022		Pass
3251	Meeting room Wall AC	Meeting room	Samsung	AR12FSFSDURN	0BLAPAJFA00098 V	Meeting room	01/09/2022		Pass
3252	Lunch room Wall AC	Lunch room	Mitsubishi Electric	MSZ-GE35VAD	8003334	Lunchroom	01/09/2022		Pass
3253	Change room RAC	Changeroom	TECO	TWW16CFCG		Change room	01/09/2022		Pass
3285	Weighbridge office wall split AC	Weighbridge office	Panasonic	CU-E12PKR	6534700845	Weighbridge office	01/09/2022		Pass

Asset Register - Fans																			
Asset ID		Unit ID		Unit Location		Brand		Model Number		Serial Number		Serving		Date		Service		Pass / Fail	
3879		Extraction Fan-1		Roof plant room		HG		Y315S				Waste area		01/09/2022				Pass	
3880		Extraction Fan-2		Roof plant room		HG		Y315S				Waste area		01/09/2022				Pass	

Equilibrium Air Conditioning Services Pty Limited
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Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 32959
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 01/09/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Asset Register - VSD									
Asset ID	Unit ID	Unit Location	Brand	Model No	Serial No	Serving	Date	Service	Pass / Fail
3882	VSD Extraction Fan-2	Roof plant room	Danfoss	131B8508		Extraction Fan-2	01/09/2022		Pass

Description Of Work

Attend Site and carry out maintenance for the month of September

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Dylan Mengel (01/09/2022) - Work Note

Attended site and inspected 9x split system air conditioner's.

Washed filters

Flushed drains and tightened electrical terminals.

Tested on full cooling and heating modes to ensure set-point is reached.

Tested on high fan speed to confirm airflow is good. All tested ok.

Inspected 2x extraction fans.

Checked belts tension and for damage.

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Ph: 02 94394822 Fax:
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Asset Record - Job No. 32959
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 01/09/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Belts are ok.
Greased motor and fan bearings
Checked VSD's and general operations of extraction fans.
All tested ok.

Duct and exhaust Clean was carried out over 3 days last week in September

Comments / Recommendations

Technician (Print Name):

Dylan Mengel

Technician (Signature):



Licence No.

L177835

Customer (Print Name):

Rod Jones

Customer (Signature):



Equilibrium Air Conditioning Services Pty Limited
Unit 7, 38 Brookhollow Ave
Norwest, NSW 2153
Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 33032
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 04/10/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Asset Register - VSD									
Asset ID	Unit ID	Unit Location	Brand	Model No	Serial No	Serving	Date	Service	Pass / Fail
3881	VSD Extraction Fan-1	Roof plant room	Danfoss	131B8508		Extraction Fan-1	04/10/2022		Pass

Asset Register - Air-Cooled DX units / Split Systems									
Asset ID	Unit ID	Unit Location	Brand	Model Number	Serial Number	Serving	Date	Service	Pass / Fail
3248	Manager office Wall AC	Manager office	Mitsubishi Electric	MSZ-GE35VAD	0000533	Manager's office	04/10/2022		Pass
Notes	Cleaned filters flushed drain checked operation.								
3249	Administration office Wall AC	Administration office	Samsung	AR09FSSSCWKN		Administration office	04/10/2022		Pass
Notes	Cleaned filters flushed drain checked operation.								
3250	Comms room Wall AC	Comms room	Mitsubishi Electric	MSZ-AP25VGD	0029477	Comms room	04/10/2022		Pass
Notes	Cleaned filters flushed drain checked operation.								
3251	Meeting room Wall AC	Meeting room	Samsung	AR12FDFS DURN	0BLAPAJFA00098 V	Meeting room	04/10/2022		Pass
Notes	Cleaned filters flushed drain checked operation.								
3252	Lunch room Wall AC	Lunch room	Mitsubishi Electric	MSZ-GE35VAD	8003334	Lunchroom	04/10/2022		Pass
Notes	Cleaned filters flushed drain checked operation.								
3253	Change room RAC	Changeroom	TECO	TWW16CFCG		Change room	04/10/2022		Pass
Notes	Cleaned filters flushed drain checked operation.								
3285	Weighbridge office wall split AC	Weighbridge office	Panasonic	CU-E12PKR	6534700845	Weighbridge office	04/10/2022		Pass
Notes	Cleaned filters flushed drain checked operation.								

Equilibrium Air Conditioning Services Pty Limited
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Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 33032
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 04/10/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Asset Register - Fans							
Asset ID	Unit ID	Unit Location	Brand	Model Number	Serial Number	Serving	Pass / Fail
3879	Extraction Fan-1	Roof plant room	HG	Y315S		Waste area	Pass
Notes	New belts						
3880	Extraction Fan-2	Roof plant room	HG	Y315S		Waste area	Pass
Notes	New belts						

Asset Register - VSD							
Asset ID	Unit ID	Unit Location	Brand	Model No	Serial No	Serving	Pass / Fail
3882	VSD Extraction Fan-2	Roof plant room	Danfoss	131B8508		Extraction Fan-2	Pass

Description Of Work

Attend Site and carry out maintenance for the month of October

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Marcus Jackson (04/10/2022) - Work Note

**Equilibrium Air Conditioning Services Pty
Limited**
Unit 7, 38 Brookhollow Ave
Norwest, NSW 2153
Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 33032
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 04/10/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Arrived on site to carry out inspection and maintenance of A/C system and extraction fans.
Checked operation and condition of all site office units, cleaned filters, flushed drains and checked supply temperatures, all ok.
Checked VSD in plantroom for extraction fans, all ok.
Checked extraction fan belts all ok.

Comments / Recommendations

Technician (Print Name):

Marcus Jackson

Technician (Signature):



Customer (Print Name):

Rod Jones

Customer (Signature):



Licence No.

L174342

Equilibrium Air Conditioning Services Pty Limited
Unit 7, 38 Brookhollow Ave
Norwest, NSW 2153
Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 33122
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 03/11/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Asset Register - VSD										
Asset ID	Unit ID	Unit Location		Brand	Model No	Serial No	Serving	Date	Service	Pass / Fail
3881	VSD Extraction Fan-1	Roof plant room		Danfoss	131B8508		Extraction Fan-1	03/11/2022		Pass
Notes	Checked belts grease bearings checked operation of fan all tested okay									

Asset Register - Air-Cooled DX units / Split Systems									
Asset ID	Unit ID	Unit Location	Brand	Model Number	Serial Number	Serving	Date	Service	Pass / Fail
3248	Manager office Wall AC	Manager office	Mitsubishi Electric	MSZ-GE35VAD	0000533	Manager's office	03/11/2022		Pass
Notes	Washed filters cleared drains checked outdoor units all tested okay								
3249	Administration office Wall AC	Administration office	Samsung	AR09FSSSCWKN		Administration office	03/11/2022		Pass
Notes	Washed filters cleared drains checjed outdoor unit all tested okay								
3250	Comms room Wall AC	Comms room	Mitsubishi Electric	MSZ-AP25VGD	0029477	Comms room	03/11/2022		Pass
Notes	Washed filters cleared drain checked outdoor electrical connections all tested okay								
3251	Meeting room Wall AC	Meeting room	Samsung	AR12FSDURN V	0BLAPAJFA00098	Meeting room	03/11/2022		Pass
Notes	Washed filters cleared drains checked outdoor electrical connections all tested okay								
3252	Lunch room Wall AC	Lunch room	Mitsubishi Electric	MSZ-GE35VAD	8003334	Lunchroom	03/11/2022		Pass
Notes	Washed filters cleared drains checked outdoor unit all tested okay								
3253	Change room RAC	Changeroom	TECO	TWW16CFCG		Change room	03/11/2022		Pass
Notes	Washed filter checked electrical connection all tested okay								
3285	Weighbridge office wall split AC	Weighbridge office	Panasonic	CU-E12PKR	6534700845	Weighbridge office	03/11/2022		Pass

Equilibrium Air Conditioning Services Pty Limited
Unit 7, 38 Brookhollow Ave
Norwest, NSW 2153
Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 33122
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 03/11/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Notes	Washed filters checked outdoor unit cleared drain all tested okay									
-------	---	--	--	--	--	--	--	--	--	--

Asset Register - Fans									
Asset ID	Unit ID	Unit Location	Brand	Model Number	Serial Number	Serving	Date	Service	Pass / Fail
3879	Extraction Fan-1	Roof plant room	HG	Y315S		Waste area	03/11/2022		Pass
Notes	Checked belts grease bearings all tested okay								
3880	Extraction Fan-2	Roof plant room	HG	Y315S		Waste area	03/11/2022		Pass
Notes	Checked belts grease bearings all tested okay								

Asset Register - VSD									
Asset ID	Unit ID	Unit Location	Brand	Model No	Serial No	Serving	Date	Service	Pass / Fail
3882	VSD Extraction Fan-2	Roof plant room	Danfoss	131B8508		Extraction Fan-2	03/11/2022		Pass
Notes	Checked belts greased bearings all tested okay								

Description Of Work

Attend Site and carry out maintenance for the month of November

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

**Equilibrium Air Conditioning Services Pty
Limited**

Unit 7, 38 Brookhollow Ave
Norwest, NSW 2153
Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 33122

Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 03/11/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Dylan Mengel (03/11/2022) - Technician Note

Please note there is no light in fan chamber and chamber is very dirty this is an OHS Hazard. (Rod has fixed this since our visit)

Dylan Mengel (03/11/2022) - Work Note

Conducted general maintenance on 6x split system air conditioners and 2x extraction fans.

Split systems:

Washed filters and flushed condensate drain.

Tested operations of unit in full cooling and heating mode on high fan speed

Checked electrical components

Checked for faults and/or damage to unit.

Checked airflow is sufficient

Checked room temperature is meeting set point. Tested ok.

Extraction fans:

Inspected extraction fan.

Checked belt condition and tension.

Condition and tension is ok.

**Equilibrium Air Conditioning Services Pty
Limited**
Unit 7, 38 Brookhollow Ave
Norwest, NSW 2153
Ph: 02 94394822 Fax:
ABN 51 844 035 531

Asset Record - Job No. 33122
Veolia Clyde
Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142

Inspection Date: 03/11/2022
Contact: Bob Manevski
Phone: (02) 9841 2802

Checked electrical components of motor for any burnt/damaged wiring.
Tightened electrical components
Greased pump and fan bearings.

Comments / Recommendations

Technician (Print Name):

Steve Hortis

Technician (Signature):



Licence No.

L026231

Customer (Print Name):

Rod Jones

Customer (Signature):





CUSTOMER JOB NO. 33254 - 3516 - Kyle Dempsey
Preventative Maintenance

Project Name Monthly Maintenance

Date Created 21/12/2022

PO # 7100410672

Site Details

Name Veolia Clyde
Address Clyde Transfer Terminal
322 Parramatta road
Clyde NSW 2142
Contact Rod Jones
Telephone
Mobile 0437 167 211
Email rod.jones@veolia.com

Customer Details

Name Veolia Environmental Services P/L
Address Level 4, 65 Pirrama Road
Pyrmont NSW 2009
Contact Bob Manevski
Telephone (02) 9841 2802
Mobile 0412 275 133
Email bob.manevski@veolia.com

Work Requested

Attend Site and carry out maintenance for the month of January

Programmed maintenance service for the HVAC (Heating, Ventilation and Air-conditioning) system onsite.

- Extraction Fans x 02
- Variable Speed Drives x 02
- AC Units Serving Admin Office x 08 (3 ducted and 5 splits)
- Air balancing / Air flow testing 2 times per year
- Cleaning of Fans and Plenum 2 times per year

Kyle Dempsey (06/01/2023) - Work Note

Firstly conducted maintenance on AC systems serving the main admin office.
This includes 7 systems ranging from wall split systems to Room Air Conditioners.
Also included is 1 wall split system serving weighbridge office.
Filters are all okay
Condensate drains have been flushed and cleared
Checked operations of systems in full cooling mode and high fan speed
Checked electrical components
Checked for faults and/or damage to units
Checked airflows are sufficient
Checked room temperatures are matching setpoint.
All tested okay.

Conducted maintenance on 2 extraction air fans serving the compactor pit.
Belts, pulleys and bearings are in good condition
Cleaned off dust and debris from motors
Greased fan shaft bearings
Checked condition of VSDs and cleaned off dust and debris.
Checked over parameters and data of drives.
All tested okay.

Equilibrium Air Conditioning Services Pty Ltd

ABN 51 844 035 531

Telephone: (02) 9439 4822

service@eqac.com.au

PO Box 7996

Norwest NSW 2153



**CUSTOMER JOB NO. 33254 - 3516 - Kyle Dempsey
Preventative Maintenance**



Equilibrium Air Conditioning Services Pty Ltd
ABN 51 844 035 531

Telephone: (02) 9439 4822
service@egac.com.au

PO Box 7996
Norwest NSW 2153



**CUSTOMER JOB NO. 33254 - 3516 - Kyle Dempsey
Preventative Maintenance**

For my safety and well-being during COVID-19, I cannot provide my signature, however, I confirm that the technician was onsite to carry out the above mentioned works.			
Customer:	Rod Jones		
	_____ Print Name	_____ Signature	
Technician:	Kyle Dempsey		
	_____ Print Name	_____ Signature	



APPENDIX B:
WEATHER DATA CALIBRATION REPORTS
(JULY 2022 & OCTOBER 2022)

7/7/2022

Anea Ressos
Veolia Environmental Services (Australia) Pty Ltd

Re – Quarterly service of weather stations

Dear Anae,

As per our service agreement, on the 7/7/22 HS undertook the service, calibration and maintenance of the weather stations located at the Horsley Park and Clyde sites. Field readings were obtained by a combination of a Kestral 3500, compass, Monitor Solar Radiation field unit and HS TBRG calibration device. Details are as follows:

[Horsley Park 7/7/22](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	13.9	13.9
2m*	13.9	13.9
Relative Humidity*	81.0	81.2
Wind Speed	3.0 m/s at ground	4.3 m/s at 10 metres
Wind Direction	220	220
Solar Radiation	40	37
TBRG	10mm	20 tips
Battery/Solar	13.2	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0740 EST as these were testing.

Additional Items

1. Solar panel and components cleaned. All components were very dirty.
2. Installation sprayed for insects.
3. Guy wires checked.

[Clyde 7/7/22](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	15.1	15.4
2m*	15.1	15.2
Relative Humidity*	79.5	79.3
Wind Speed	2.3 m/s at ground (poor exposure at ground)	4.1 m/s at 10 metres.

Wind Direction	200	200
Solar Radiation	160	175
TBRG	10mm	21 tips
Battery/Solar	12.6	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0845 EST as these were testing.

Note 3: Replace switch on TBRG

Additional Items

1. All components cleaned.
2. Installation sprayed for insects.

Both sites are now polled weekly by HS and data is downloaded and available on the HS website.

Should you require any further information on this report please do not hesitate to contact me on 0420316459.

Phil Evison.

Hydrometric Services Pty Ltd
 ABN 32655577567
 Mob 0420316459
 Email phil@hydrometric.com.au
www.hydrometric.com.au

14/10/2022

Anea Ressos
Veolia Environmental Services (Australia) Pty Ltd

Re – Quarterly service of weather stations

Dear Anae,

As per our service agreement, on the 14/10/22 HS undertook the service, calibration and maintenance of the weather stations located at the Horsley Park and Clyde sites. Field readings were obtained by a combination of a Kestral 3500, compass, Monitor Solar Radiation field unit and HS TBRG calibration device. Details are as follows:

[Horsley Park 14/10/22](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	24.1	23.02
2m*	24.1	23.9
Relative Humidity*	39.0	37.0
Wind Speed	3.0 m/s at ground	4.5 m/s at 10 metres
Wind Direction	270	270
Solar Radiation	860	859
TBRG	10mm	20 tips
Battery/Solar	14.2	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 1045 EST as these were testing.

Additional Items

1. Solar panel and components cleaned. All components were very dirty.
2. Installation sprayed for insects.
3. Guy wires checked.

[Clyde 14/10/22](#)

Sensor	Actual (field)	Logger
Temperature – 10m*	24.0	23.9
2m*	24.0	23.5
Relative Humidity*	40.0	39.0
Wind Speed	3.0 m/s at ground (poor exposure at ground)	4.2 m/s at 10 metres.

Wind Direction	260	260
Solar Radiation	250	260
TBRG	10mm	20 tips
Battery/Solar	12.6	

* Note 1: Field reading is not inside the radiation shield.

Note 2: Ignore rainfall tips logged at approximately 0945 EST as these were testing.

Note 3: TBRG had been knocked over. Repaired.

Additional Items

1. All components cleaned.
2. Installation sprayed for insects.

Both sites are now polled weekly by HS and data is downloaded and available on the HS website.




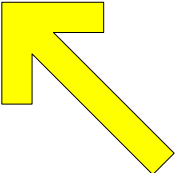
Should you require any further information on this report please do not hesitate to contact me on 0420316459.

Phil Evison.



APPENDIX C:
FIELD AMBIENT ODOUR ASSESSMENT PLOT AND FIELD SHEET
(21 DECEMBER 2022)



DESCRIPTION Field Ambient Odour Assessment Survey Modified German Standard VDI 3940		LEGEND German Intensity Scale VDI3882 <div><div>0 Not detectable</div><div>1 Very weak</div><div>2 Weak</div><div>3 Distinct</div><div>4 Strong</div><div>5 Very strong</div><div>6 Extremely strong</div></div>		<div></div> <div>Veolia (Australia) Pty Ltd Clyde Transfer Terminal, Clyde, NSW Field Ambient Odour Assessment Survey</div> <div>Survey Date: 21 December 2022 Survey Time Period: 1411 hrs to 1453 hrs</div>		
	THE ODOUR UNIT PTY LTD Level 3, 12/56 Church Avenue MASCOT, NSW 2020 Phone: (02) 9209 4420 www.odourunit.com.au		DRAWN BY	I. FARRUGIA 23/01/2023	<div>Odour Audit XXXX</div> <div>Field Ambient Odour Assessment Survey</div>	<u>Plot No.</u> N1473-XXXX
			CHECKED	J. SCHULZ 23/01/2023		<u>Job No.</u> N1473L
			APPROVED	J. SCHULZ 23/01/2023		
<div><div>N</div></div>		<div>Local wind direction</div> 		<div>Local wind conditions</div> <div>Light to moderate wind speeds, with winds blowing from the southeast. No rainfall observed.</div>		
				<div>Refer to FAOA Logsheet N1473L-XXXX for details on recorded odour detections</div>		



THE ODOUR UNIT PTY LTD

Level 3, 12/56 Church Avenue
MASCOT NSW 2020

Phone: +61 2 9209 4420
Facsimile: +61 2 9209 4421
Email: info@odourunit.com.au
Internet: www.odourunit.com.au
ABN: 53 091 165 061

Field Ambient Odour Assessment Log Sheet

Date: 21 December 2022

Assessor: J. Schulz

Weather Conditions: Light to moderate wind speeds blowing from the southeast. No rainfall observed.

Survey Reference Plot No: N1473L-XXXX

GRIF REF. POSITION	MEASUREMENT TIME PERIOD (hrs)	WIND DIRECTION	WIND SPEED (m/s)	ODOUR PRESNT (Y/N)	ODOUR CHARACTER	VDI 3940 INTENSITY SCALE 0-6	COMMENTS
1	14:11-14:16	ESE	2.0 – 3.0	N	--	0	--
2	14:19-14:24	ESE	2.0 – 3.0	N	--	0	--
3	14:22-14:27	ESE	2.0 – 3.0	N	--	0	--
4	14:28-14:33	E	2.0 – 4.0	N	--	0	--
5	14:35-14:40	ESE	2.0 – 4.0	N	--	0	--
6	14:41-14:46	SE	2.0 – 3.0	N	--	0	--
7	14:48-14:53	SE	2.0 – 3.0	N	--	0	--

Appendix D3 - Noise Monitoring Data



Annual Truck Noise Measurements

*Clyde Transfer Terminal
October 2022*



Annual Truck Noise Measurements

Quality Information

Completed by:	 Anae Ressos <i>Environmental Coordinator - NSW Environment</i>
Authorised by:	 Rod Jones <i>Clyde/Greenacre Facility Manager</i>

Address Veolia Australia & New Zealand
Corner Unwin and Shirley Streets, Rosehill, NSW, 2142

Date October 2022

Reference: CTT_TRUCK_0422

Status: **FINAL**

Rev No.	Details	Issued to	Date
0	Draft	Veolia (internal QA)	March 2022
1	Final	Veolia (internal QA)	March 2022

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Figure 1: Noise level distribution from Truck Noise Monitoring –
24th of November 2021

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Table 2: NB class vehicle noise measurements 10

Introduction

The Clyde Transfer Terminal was issued with Conditions of Development Consent (Conditions) by the Department of Planning, Industry and Environment (DPIE) formerly known as the Department of Planning, which are attached to the Development Consent. The Conditions include a requirement to assess heavy vehicle noise limits specified in Australian Design Rule 28/01 (ADR 28/01).

The requirements of Condition 112 are as follows:

The Applicant shall implement a Heavy Vehicle Noise Monitoring Management Program for the development to the satisfaction of the Director-General. This program must:

- (a) monitor heavy vehicle noise on site, in accordance with the methods outlined in the “Truck Noise Monitoring – Proposed Test and Management Plan” prepared by Heggies and dated 26 May 2008;
- (b) be undertaken quarterly for a year starting in October 2008, and annually thereafter, unless otherwise agreed by the Director-General;
- (c) measure at least 25% of the heavy vehicles visiting the site;
- (d) identify heavy vehicles exceeding the relevant noise criteria specified in the Australian Design Rule 28/01, or its successor, and ensure that the owners of these subsequently comply with the relevant noise criteria;
- (e) report the number of non-compliant heavy vehicles identified and the actions undertaken to address these non-compliances in the Annual Environmental Monitoring Report; and
- (f) be amended, should the monitoring activities not achieve the aim of the program to the satisfaction of the Director-General.

This Annual Truck Noise Measurements report (the Report) presents the results of the sixteenth round of heavy vehicle noise monitoring at the Terminal. Monitoring was completed by Veolia on the 4th of October 2022 between 10:33 AM and 2:49 PM, in accordance with the Proposed Test Management Plan (PTMP) developed by Heggies. This is the thirteenth sampling event and report prepared by Veolia under Condition 112 since resuming the responsibility of monitoring from Heggies.

Noise Limit Criteria

The noise limit criteria for maximum allowable noise levels for Goods Vehicles described in the PTMP (2008) are provided in Table 1 below.

Table 1: LAmix Noise Limits (dBA) – ADR 28/01

Vehicle Category Code	Vehicle Type	Vehicles In Motion	Stationary Vehicles			
		Direct Injection & Spark Ignition Diesel Engines	Spark Ignition Engines Exhaust Outlet Height		Direct Injection Engines Exhaust Outlet Height	
			<1500mm	≤1500mm	<1500mm	≤1500mm
NA	Light Goods Vehicles GVM ≤3.5t on road use	78 to 80	89	85	99	95
NB	Medium Goods Vehicles GVM >3.5t ≤12t on road use	81 to 84	95	91	101	97
NC	Heavy Goods Vehicles GVM >12t on road use	81 to 87	95	91	103	99

Note: For vehicles in motion test, LAmix noise limits are based on the Gross Vehicle Mass (GVM) and the Net Engine Power (NEP). The noise limits in the table are expressed as a range where the lower noise level refers to the minimum GVM and NEP in each category and the upper noise level refers to the maximum GVM and NEP in each category.

Waste collection trucks entering the Terminal are loaded vehicles with a Gross Vehicle Mass (GVM) over 12 tonnes, based on tare weights of incoming vehicles on the site weighbridge. Hence, for the purpose of conducting a vehicle noise assessment at the Terminal, Vehicle Category Code “NC”, for heavy goods vehicles with a GVM of 12 tonnes or more on the road, a Net Engine Power (NEP) of greater than 150 kilowatts (kW) has been applied. The upper limit (87dBA) of the NC range provided in Table 1 will be used to assess truck noise measurements. This is consistent with the assessment criteria applied by Heggies in previous monitoring rounds.

Measurement Methodology

The monitoring location from which the truck noise was measured was consistent with previous monitoring rounds conducted by Veolia and Heggies. Measurements were taken at a distance of 7.5 metres from the centre of the vehicle travel path and a height of 1.2 metres above the vehicle entrance ramp from the weighbridge to the Terminal building, which was the test site surface. Trucks accelerating at this location, which is shown in **Appendix A**, were measured where the vehicle was accelerating in line with the microphone of the sound level meter. For further information regarding measurement location and methodology refer to the PTMP prepared by Heggies (Heggies, 2008).

Measurements were taken with a TSI Quest SoundPro Series SE/DL Sound Level Meter, using an A-weighted (LA) filter network and fast response time constant as required under ADR 28/01. The (LA) filter ensured that the sound level meter was less sensitive to very high and very low frequencies which would be outside the range of noise emitted by the heavy vehicles entering and exiting the Terminal, while the fast response time constant enabled a more accurate reading of noise from each vehicle movement. Calibration of the Sound Level Meter was completed by AirMet Scientific prior to monitoring. Refer to **Appendix B** for calibration certificate.

For each truck movement a LA maximum noise level measurement was recorded. Additional information on each truck movement was noted (where possible) to assist in identification of trucks exceeding noise criteria, including:

- Company;
- Vehicle Make and Type;
- Registration; and
- Exhaust Location.

The collected data was cross referenced with the Terminal's weighbridge records for vehicles entering the facility on 4 October 2022, a copy of which is provided in **Appendix C**, to identify trucks measured during this sampling period and to calculate the percentage of trucks sampled.

Noise Measurement Results

A total of 69 truck movements were recorded entering the Terminal and a measurement for each vehicle movement past the monitoring location was taken as the trucks accelerated on the entrance ramp. Two (2) of these measurements were under impeded traffic conditions causing distorted noise emissions, caused by queuing of waste trucks waiting to enter the Terminal building during busy periods or idling of engines past the testing zone. Impeded traffic conditions affected the representative quality of the noise measurements. The measured sound levels of each pass-by event were recorded on field sheets, which have been tabulated in **Appendix D**.

A total measurement of 27% of all truck movements (255) was achieved during this monitoring round, which satisfies the minimum requirements of Condition 112 (25% of daily truck movements). **Figure 1** presents the distribution of recorded sound level frequencies which were measured in A-weighted decibels (dBA).

Measurements of 'normal' truck acceleration ranged from 67.2dBA to 81.8dBA with the highest frequency occurring between 76 - 78dBA. Impaired acceleration readings due to the impeded traffic conditions ranged from 69dBA to 79dBA, with the highest frequency occurring between 73-74dBA. Impaired acceleration readings were plotted separately from the normal accelerating vehicles on Figure 1.

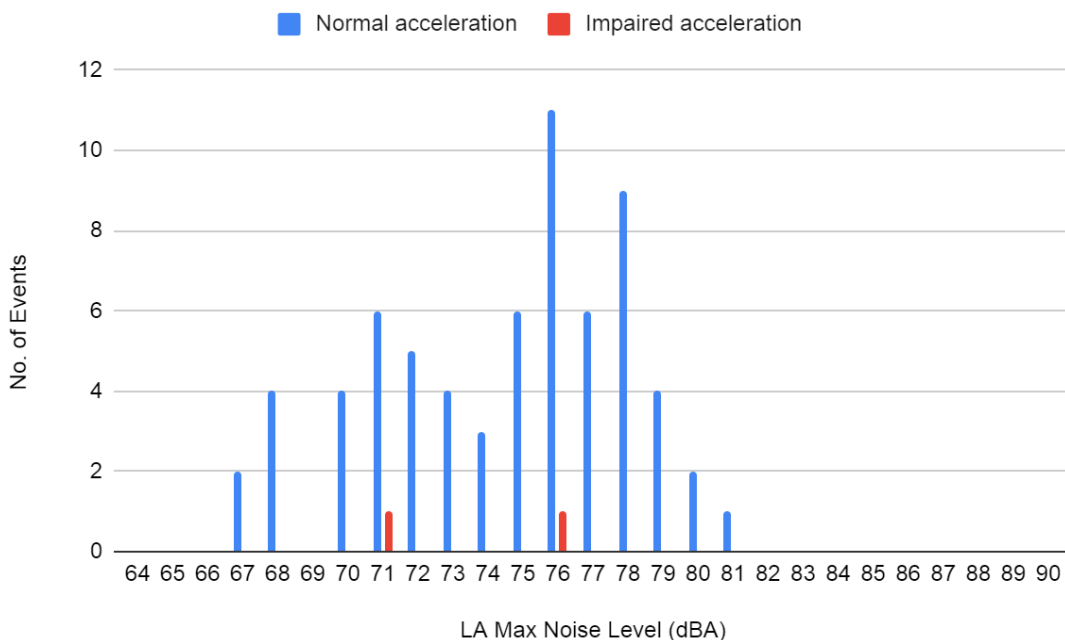


Figure 1: Noise level distribution from Truck Noise Monitoring – 4th of October 2022

Discussion

Comparison of the heavy vehicle noise measurement results against the limits specified in ADR 28/01 (refer to Table 1) indicates that all trucks entering the Terminal in this monitoring round were within the acceptable noise criteria for the NC category vehicles (<87dBA).

Four smaller waste vehicles (ranging from approximately 6 – 11 tonnes when loaded) were observed entering the facility during this monitoring event. For the purpose of this assessment it is considered that these vehicles would fall within the NB category with a noise limit of 84dBA. All noise emitted from vehicles assigned to this category was measured below this threshold as indicated in **Table 3**.

Table 2: NB class vehicle noise measurements

Time	Company	Make	Registration	L _A Max (dBA)	Impeded Movement
10:39	Ku-ring-gai Council	Mitsubishi	CN92MI	71	N
10:46	Ku-ring-gai Council	Unknown	CN75MI	72.8	N
12:03	Leichhardt Municipal Council	Hino	CO41MK	72.4	N
13:26	Hunter's Hill Council	Unknown	XN02SU	67.2	N

Noise from the Terminal's operations such as plant noise (forklift, compactor, front end loader and road sweeper) and surrounding areas (Parramatta Road, train tracks) were not significant enough to influence waste truck noise measurements at this location. The noise wall located adjacent to the exit ramp, on the North-western boundary of the Terminal, also assisted in focusing noise measurements on truck movements into the facility by limiting interference noise sources.

No noise complaints pertaining to the Terminal's operations were received between the annual truck noise monitoring rounds. This indicates that noise impacts from waste truck movements at the Terminal boundary are within the Terminal and surrounding area background noise levels.

Conclusions

Truck noise monitoring was conducted on the 4th of October 2022 between 10:33 AM and 2:49 PM. The results indicated:

- Noise from 69 truck movements was measured;
- A total of 27% of truck movements were measured, which satisfies the minimum 25% requirement of Condition 112;
- All measured trucks were identified against weighbridge records to verify the accuracy of field data for reporting.
- All truck noise measurements were within the noise criteria of ADR 28/01 and hence did not exceed the trigger limits.
- Noise from the Terminal's operations was not significant enough to influence the truck noise assessment.
- No noise complaints pertaining to the Terminal's operations were received since the previous truck noise monitoring round.
- Truck noise impacts at the Terminal boundary are considered to be within background levels.

References

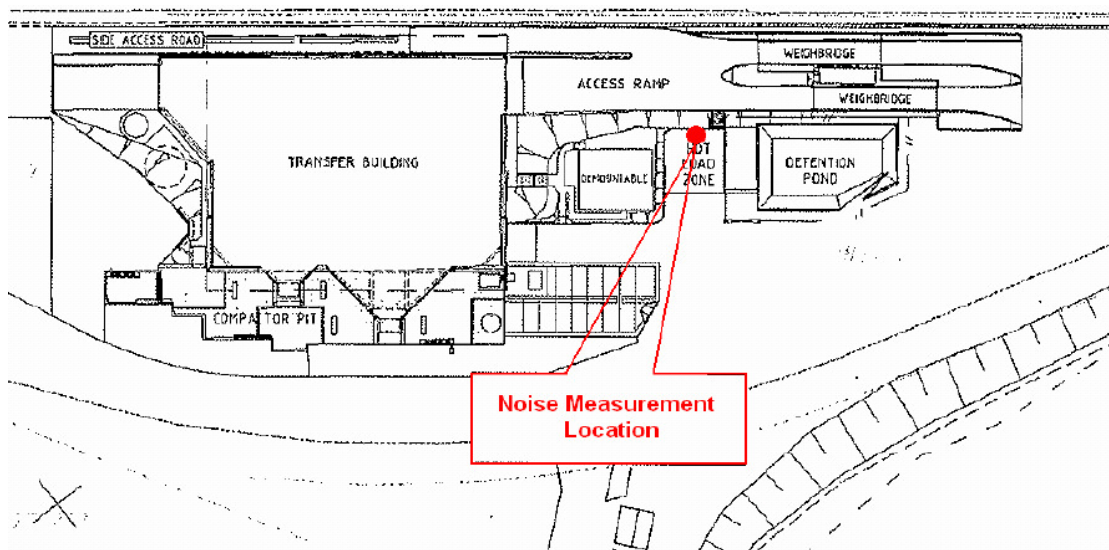
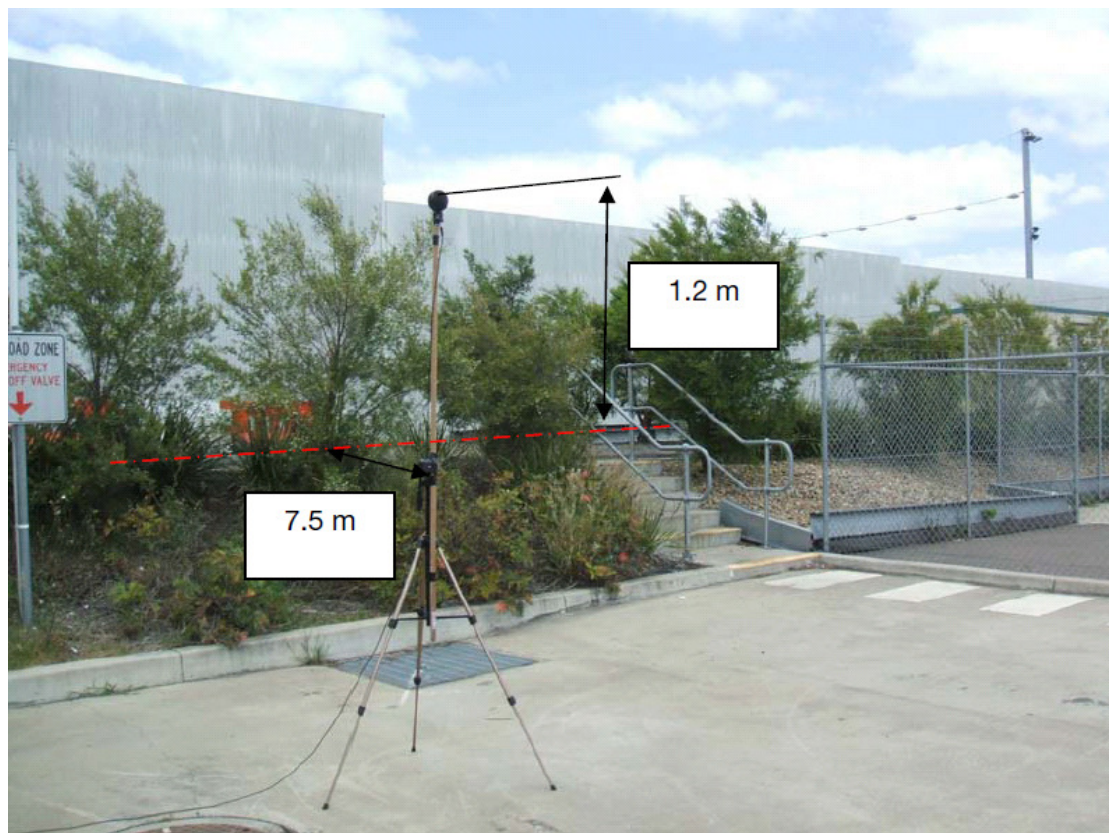
- ADR 28/01 Vehicle Standard Australian Design Rule 28/01 – External Noise of Motor Vehicles), 2006. Federal Register of Legislative Instruments F2006L01279. Australian Government.
- PTMP (2008) Clyde Waste Transfer Facility – Truck Noise Monitoring Proposed Test and Management Plan, 2008. Heggies Pty Ltd.

Appendices

Appendix A - Truck Noise Monitoring Location



Truck Noise Monitoring Location



Appendix B - Sound Level Meter Calibration Certificate



Sound Level Meter

Instrument **Sound Pro**
Serial No. **BJK110022**

Air-Met Scientific Pty Ltd
1300 137 067

Item	Test	Pass	Comments
Battery	Charge Condition	✓	
	Battery Holder	✓	
	Alkaline Battery	✓	
	Cover	✓	
	Output	✓	
Switch/Keypad	Operation	✓	
Display	Intensity	✓	
	Operation	✓	
Microphone	Type	✓	
	Socket	✓	
	Plug	✓	
PCB	Condition	✓	
Calibrator	Condition	✓	
	Battery Holder	✓	
	IVAC Output	✓	
	Frequency	✓	
A Weighting	Operation	✓	
C Weighting	Operation	✓	
Software	Version		
Datalogger	Operation	✓	
Download	Operation	✓	
Other Tests			

Certificate of Calibration

This is to certify that the above instrument has been calibrated to the following specifications:

Frequency	Db	Volts AC	Certified	Calibration Equipment	Instrument Reading	
					Before	After
1Khz	114dB	1 Vac	Airmet	QIE110231	114.2dB	114dB

Calibrated by: Evan Weller

Calibration date: **4/10/2022**

Next calibration due: **2/04/2023**

Appendix C - Weighbridge Record

Docket ID	Rego No	Waste Type	Cust_MatNo	Trans Date	Time In	TimeOut	Trn Status	BPName	UOM	Quantity	Cub_Mtr	Cost	GST	NetAmount	Addl_Amt	Exemption	Deeming	VehicleCode	PO	EPA	Comments	GrossWt	TareWt	Last_Changed_By	
12191427016	XN14TR	CIP		04/10/2022	0:30	0:41	POSTED	Cleanaway Pty L TO		8.86	0	2830.77	283.08	3113.85	0	NO							25.14	16.28	VEOLIAESioshaffa : ANSCLDPW5
12191427017	XN42CY	CIP	302CTTRL...	04/10/2022	0:41	0:54	POSTED	Enfield RearLift TO		6.5	0	1905.15	0	1905.15	0	NO							19.58	13.08	VEOLIAESioshaffa : ANSCLDPW5
12191427018	XN88CB	CIP		04/10/2022	0:42	0:50	POSTED	SUEZ Recycling TO		5.44	0	1594.46	159.45	1753.91	0	NO							23	17.56	VEOLIAESioshaffa : ANSCLDPW5
12191427019	XO18EZ	CIP	302CTTFL	04/10/2022	1:25	1:37	POSTED	Enfield FrontLift TO		7.44	0	2180.66	0	2180.66	0	NO							25.26	17.82	VEOLIAESioshaffa : ANSCLDPW5
12191427020	CE97KO	CIP		04/10/2022	1:39	1:46	POSTED	C & S Waste Ser TO		4.4	0	1452	145.2	1597.2	0	NO							19.8	15.4	VEOLIAESioshaffa : ANSCLDPW5
12191427021	XN78VZ	CIP		04/10/2022	1:41	2:01	POSTED	Suez Recycling 4 TO		25.46	0	7462.33	746.23	8208.56	0	NO							49.06	23.6	VEOLIAESioshaffa : ANSCLDPW5
12191427022	XO12KG	CIP	302CTTFL	04/10/2022	1:47	1:53	POSTED	Enfield FrontLift TO		6.52	0	1911.01	0	1911.01	0	NO							24.46	17.94	VEOLIAESioshaffa : ANSCLDPW5
12191427023	CN26UW	CIP	302CTTBCOM	04/10/2022	1:49	1:56	POSTED	Enfield Bulk TO		7.48	0	2192.39	0	2192.39	0	NO							23.1	15.62	VEOLIAESioshaffa : ANSCLDPW5
12191427024	XN22HO	CIP	PEC	04/10/2022	2:01	2:11	POSTED	Global Renewabl TO		10.6	0	1049.4	104.94	1154.34	0	NO							31.36	20.76	VEOLIAESioshaffa : ANSCLDPW5
12191427025	AUSLFT	CIP		04/10/2022	2:09	2:23	POSTED	Aussie Skips Cor TO		5.94	0	1882.98	188.3	2071.28	0	NO							22.12	16.18	VEOLIAESioshaffa : ANSCLDPW5
12191427026	XN29RS	CIP		04/10/2022	2:10	2:29	POSTED	Suez Recycling 4 TO		23.78	0	6969.92	696.99	7666.91	0	NO							47.72	23.94	VEOLIAESioshaffa : ANSCLDPW5
12191427027	CN76MI	MSWP		04/10/2022	2:21	2:28	POSTED	Ku-ring-gai Coun TO		1.96	0	482.71	48.27	530.98	0	NO							7.38	5.42	VEOLIAESioshaffa : ANSCLDPW5
12191427028	CN81MI	MSWP		04/10/2022	2:29	2:34	POSTED	Ku-ring-gai Coun TO		1.56	0	384.2	38.42	422.62	0	NO							6.92	5.36	VEOLIAESioshaffa : ANSCLDPW5
12191427029	CN93MI	MSWP		04/10/2022	2:34	2:38	POSTED	Ku-ring-gai Coun TO		2.42	0	596	59.6	655.6	0	NO							7.68	5.26	VEOLIAESioshaffa : ANSCLDPW5
12191427030	CN84MI	MSWP		04/10/2022	2:36	2:40	POSTED	Ku-ring-gai Coun TO		1.72	0	423.6	42.36	465.96	0	NO							7	5.28	VEOLIAESioshaffa : ANSCLDPW5
12191427031	CJ77ZS	CIP		04/10/2022	2:41	2:47	POSTED	Capital City Wast TO		5.08	0	1549.4	154.94	1704.34	0	NO							13.64	8.56	VEOLIAESioshaffa : ANSCLDPW5
12191427032	XO61KG	CIP		04/10/2022	2:47	3:05	POSTED	Suez Recycling 4 TO		24.86	0	7286.47	728.65	8015.12	0	NO							48.34	23.48	VEOLIAESioshaffa : ANSCLDPW5
12191427033	CN22HO	CIP	PEC	04/10/2022	3:07	3:16	POSTED	Global Renewabl TO		11.72	0	1160.28	116.03	1276.31	0	NO							32.46	20.74	VEOLIAESioshaffa : ANSCLDPW5
12191427034	CN75MI	MSWP		04/10/2022	3:08	3:15	POSTED	Ku-ring-gai Coun TO		1.88	0	463.01	46.3	509.31	0	NO							7.14	5.26	VEOLIAESioshaffa : ANSCLDPW5
12191427035	CM48JM	CIP		04/10/2022	3:17	3:39	POSTED	Suez Recycling 4 TO		25.92	0	7597.15	759.72	8356.87	0	NO							49.68	23.76	VEOLIAESioshaffa : ANSCLDPW5
12191427253	XO81HM	CIP		04/10/2022	3:18	3:23	POSTED	Sydney Waste Pl TO		5.28	0	1663.2	166.32	1829.52	0	NO					V1 Voided Docke		18.08	12.8	VEOLIAESisarmota : ANSCLDPW
12191427037	CN39HQ	MSWP		04/10/2022	3:24	3:29	POSTED	Canterbury-Bank TO		3.16	0	756.09	75.61	831.7	0	NO							13.86	10.7	VEOLIAESioshaffa : ANSCLDPW5
12191427038	CK55XQ	CIP		04/10/2022	3:30	3:38	POSTED	Wastefree (Aust) TO		1.3	0	393.9	39.39	433.29	0	NO							11.62	10.32	VEOLIAESioshaffa : ANSCLDPW5
12191427039	URM4Z8	CIP		04/10/2022	3:48	3:55	POSTED	URM Environme TO		3.56	0	1085.8	108.58	1194.38	0	NO							18.18	14.62	VEOLIAESioshaffa : ANSCLDPW5
12191427040	CN22OU	CIP		04/10/2022	3:51	3:57	POSTED	Grasshopper En TO		4.98	0	1518.9	151.89	1670.79	0	NO							14.32	9.34	VEOLIAESioshaffa : ANSCLDPW5
12191427041	XO05IR	CIP		04/10/2022	3:55	4:02	POSTED	Quality Wire Ply TO		1.8	0	567	56.7	623.7	0	NO							17.28	15.48	VEOLIAESioshaffa : ANSCLDPW5
12191427042	CN79CC	CIP		04/10/2022	4:16	4:23	POSTED	Capital City Wast TO		0.88	0	268.4	26.84	295.24	0	NO							6.12	5.24	VEOLIAESioshaffa : ANSCLDPW5
12191427043	XO27FL	CIP		04/10/2022	4:40	4:45	POSTED	Cleanaway Pty L TO		5.24	0	1674.18	167.42	1841.6	0	NO							23.38	18.14	VEOLIAESioshaffa : ANSCLDPW5
12191427044	CN26NX	CIP	302CTTFL	04/10/2022	4:52	4:58	POSTED	Enfield FrontLift TO		4.86	0	1424.47	0	1424.47	0	NO							22.44	17.58	VEOLIAESioshaffa : ANSCLDPW5
12191427045	XN08PU	CIP		04/10/2022	4:54	5:02	POSTED	JJ Richards & Sc TO		5.96	0	1817.8	181.78	1999.58	0	NO							22.92	16.96	VEOLIAESioshaffa : ANSCLDPW5
12191427046	CN75LQ	CIP		04/10/2022	4:55	5:03	POSTED	SUEZ Recycling TO		4.42	0	1295.5	129.55	1425.05	0	NO							21.22	16.8	VEOLIAESioshaffa : ANSCLDPW5
12191427047	XN158C	CIP	302CTTFL	04/10/2022	4:56	5:09	POSTED	Enfield FrontLift TO		6.86	0	2010.67	0	2010.67	0	NO							24.02	17.16	VEOLIAESioshaffa : ANSCLDPW5
12191427048	4HOOKN	CIP		04/10/2022	4:59	5:07	POSTED	External Bulk - N TO		4.36	0	0	0	0	0	NO					BASE HILL PLA2 JOB ID-7405990		11.66	7.3	VEOLIAESioshaffa : ANSCLDPW5
12191427049	URM818	MSWP		04/10/2022	5:09	5:12	POSTED	Cumberland Cou TO		9.3	0	2111.75	211.18	2322.93	0	NO							21.96	12.66	VEOLIAESioshaffa : ANSCLDPW5
12191427050	XO42BP	CIP		04/10/2022	5:18	5:23	POSTED	Grasshopper En TO		5.54	0	1689.7	168.97	1858.67	0	NO							23.12	17.58	VEOLIAESioshaffa : ANSCLDPW5
12191427051	XO12KG	CIP	302CTTFL	04/10/2022	5:20	5:26	POSTED	Enfield FrontLift TO		6.32	0	1852.39	0	1852.39	0	NO							24.34	18.02	VEOLIAESioshaffa : ANSCLDPW5
12191427052	XN44IM	MSWP		04/10/2022	5:21	5:25	POSTED	Canterbury-Bank TO		2.94	0	703.45	70.34	773.79	0	NO							13.58	10.64	VEOLIAESioshaffa : ANSCLDPW5
12191427053	XO18EZ	CIP	302CTTFL	04/10/2022	5:33	5:38	POSTED	Enfield FrontLift TO		2.62	0	767.92	0	767.92	0	NO							20.48	17.86	VEOLIAESioshaffa : ANSCLDPW5
12191427054	XN01UI	CIP		04/10/2022	5:36	5:42	POSTED	SUEZ Recycling TO		5.46	0	1600.33	160.03	1760.36	0	NO							19.66	14.2	VEOLIAESioshaffa : ANSCLDPW5
12191427055	XQ93AE	CIP		04/10/2022	5:36	5:48	POSTED	JJ Richards & Sc TO		8.3	0	2531.5	253.15	2784.65	0	NO							24.68	16.38	VEOLIAESioshaffa : ANSCLDPW5
12191427056	XN45OT	MSWP		04/10/2022	5:46	5:55	POSTED	Burwood Council TO		3.94	0	1090.51	109.05	1199.56	0	NO							18.74	14.8	VEOLIAESioshaffa : ANSCLDPW5
12191427057	URM585	MSWP		04/10/2022	5:50	5:56	POSTED	Lane Cove Coun TO		2.06	0	507.34	50.73	558.07	0	NO							7.98	5.92	VEOLIAESioshaffa : ANSCLDPW5
12191427058	XO49FF	CIP		04/10/2022	5:51	5:57	POSTED	Capital City Wast TO		1.34	0	408.7	40.87	449.57	0	NO							5.96	4.62	VEOLIAESioshaffa : ANSCLDPW5
12191427059	XO90KM	CIP		04/10/2022	5:53	5:58	POSTED	JJ Richards & Sc TO		4.14	0	1262.7	126.27	1388.97	0	NO							18.48	14.34	VEOLIAESioshaffa : ANSCLDPW5
12191427060	URM813	MSWP		04/10/2022	5:58	6:04	POSTED	Cumberland Cou TO		7.74	0	1757.52	175.75	1933.27	0	NO							22.14	14.4	VEOLIAESioshaffa : ANSCLDPW5
12191427061	XQ94BW	CIP		04/10/2022	6:08	6:14	POSTED	URM Environme TO		2.44	0	744.2	74.42	818.62	0	NO							16.8	14.36	VEOLIAESioshaffa : ANSCLDPW5
12191427062	XN72BC	MSWP		04/10/2022	6:11	6:15	POSTED	Canterbury-Bank TO		6.78	0	2100.79	210.08	2310.87	0	NO							22.98	14.2	VEOLIAESioshaffa : ANSCLDPW5
12191427063	XN01PU	CIP		04/10/2022	6:17	6:21	POSTED	Capital City Wast TO		1.22	0	372.1	37.21	409.31	0	NO							5.66	4.44	VEOLIAESioshaffa : ANSCLDPW5
12191427064	CJ31RX	MSWP		04/10/2022	6:18	6:24	POSTED	Fairfield City Cou TO		2.28	0	660.08	66.01	726.09	0	NO							13.34	11.06	VEOLIAESioshaffa : ANSCLDPW5
12191427065	URM814	MSWP		04/10/2022	6:21	6:25	POSTED	Cumberland Cou TO		5.46	0	1239.8	123.98	1363.78	0	NO							18	12.54	VEOLIAESioshaffa : ANSCLDPW5
12191427066	URM806	MSWP		04/10/2022	6:23	6:28	POSTED	Cumberland Cou TO		10	0	2270.7	227.07	2497.77	0	NO							22.34	12.34	VEOLIAESioshaffa : ANSCLDPW5
12191427067	XN83CV	MSWP		04/10/2022	6:24	6:27	POSTED	Cumberland Cou TO		2.48	0	563.13	56.31	619.44	0	NO							6.44	6.06	VEOLIAESioshaffa : ANSCLDPW5
12191427068	URM849	MSWP		04/10/2022	6:29	6:34	POSTED	Cumberland Cou TO		3.18	0	722.08	72.21	794.29	0	NO							15.6	12.42	VEOLIAESioshaffa : ANSCLDPW5
12191427069	XN32FK	CIP		04/10/2022	6:34	6:38	POSTED	JJ Richards & Sc TO		7.46	0	2275.3	227.53	2502.83	0	NO							22.4	14.96	VEOLIAESioshaffa : ANSCLDPW5
12191427070	CO41MK	MSWP		04/10/2022	6:47	6:51	POSTED	Leichhardt Munic TO		3.66	0	1013.01	101.3	1114.31	0	NO							11.72	8.06	VEOLIAESioshaffa : ANSCLDPW5
12191427071	XN44ML	MSWP		04/10/2022	6:49	6:54	POSTED	Canterbury-Bank TO		9.62	0	2301.78	230.18	2531.96	0										

12191427096	CK29XA	CIP		04/10/2022	8:10	8:15	POSTED	JJ Richards & Sc To	6.16	0	1879.8	187.88	2066.68	0	NO					21.04	14.88	VEOLIAEShelson : ANSCLDPWS
12191427097	CP70DL	MSWP		04/10/2022	8:12	8:16	POSTED	Strathfield Munic To	6.18	0	1703.27	170.33	1873.6	0	NO					18.6	12.42	VEOLIAEShelson : ANSCLDPWS
12191427098	XN72BC	MSWP		04/10/2022	8:12	8:17	POSTED	Canterbury-Bank To	6.56	0	1569.61	156.96	1726.57	0	NO					20.74	14.18	VEOLIAEShelson : ANSCLDPWS
12191427099	XN72ZD	CIP		04/10/2022	8:20	8:26	POSTED	Grasshopper Em To	2.84	0	866.2	86.62	952.82	0	NO			360917.1		16.06	13.22	VEOLIAEShelson : ANSCLDPWS
12191427100	URM585	MSWP		04/10/2022	8:23	8:27	POSTED	Lane Cove Coun To	1.11	0	270.91	27.09	298	0	NO					7	5.9	VEOLIAEShelson : ANSCLDPWS
12191427101	URM813	MSWP		04/10/2022	8:27	8:32	POSTED	Cumberland Cou To	7.26	0	1648.53	164.85	1813.38	0	NO					21.66	14.4	VEOLIAEShelson : ANSCLDPWS
12191427102	XQ81GB	MSWP		04/10/2022	8:29	8:33	POSTED	Burwood Council To	7.9	0	2186.56	218.66	2405.22	0	NO					20.44	12.54	VEOLIAEShelson : ANSCLDPWS
12191427103	URM818	MSWP		04/10/2022	8:32	8:36	POSTED	Cumberland Cou To	9.12	0	2070.88	207.09	2277.97	0	NO					21.68	12.56	VEOLIAEShelson : ANSCLDPWS
12191427104	X018EZ	CIP	302CTTFL	04/10/2022	8:35	8:39	POSTED	Enfield FrontLift	5.46	0	1600.33	0	1600.33	0	NO					23.26	17.8	VEOLIAEShelson : ANSCLDPWS
12191427105	X0408Y	CIP		04/10/2022	8:37	8:41	POSTED	City of Ryde To	7.34	0	1807.7	180.77	1988.47	0	NO					20.18	12.84	VEOLIAEShelson : ANSCLDPWS
12191427106	X090UE	MSWP	DOMESTIC	04/10/2022	8:39	8:43	POSTED	City of Canada B To	7.96	0	2292.48	229.25	2521.73	0	NO					20.62	12.66	VEOLIAEShelson : ANSCLDPWS
12191427107	URM605	MSWP		04/10/2022	8:42	8:48	POSTED	Lane Cove Coun To	7.14	0	1758.44	175.84	1934.28	0	NO					19.56	12.42	VEOLIAEShelson : ANSCLDPWS
12191427108	XN88XQ	MSWP		04/10/2022	8:46	8:52	POSTED	Strathfield Munic To	8.22	0	2285.51	226.55	2492.06	0	NO					23.08	14.86	VEOLIAEShelson : ANSCLDPWS
12191427109	CN26MD	MSWP		04/10/2022	8:46	8:53	POSTED	Leichhardt Munic To	7.36	0	2037.1	203.71	2240.81	0	NO					21.72	14.36	VEOLIAEShelson : ANSCLDPWS
12191427110	XN04ZL	MSWP		04/10/2022	8:46	8:51	POSTED	City of Ryde To	6.72	0	1655	165.5	1820.5	0	NO					20.1	13.38	VEOLIAEShelson : ANSCLDPWS
12191427111	CKJ31RX	MSWP		04/10/2022	8:48	8:52	POSTED	Fairfield City Cou To	0.96	0	277.93	27.79	305.72	0	NO					12	11.04	VEOLIAEShelson : ANSCLDPWS
12191427112	XN51RK	CIP		04/10/2022	8:54	8:59	POSTED	SUEZ Recycling To	5.94	0	1741.01	174.1	1915.11	0	NO					22.34	16.4	VEOLIAEShelson : ANSCLDPWS
12191427113	X072IH	MSWP		04/10/2022	8:55	8:59	POSTED	Ku-ring-gai Coun To	7.52	0	1852.03	185.2	2037.23	0	NO					20.82	13.3	VEOLIAEShelson : ANSCLDPWS
12191427114	XN83EV	MSWP		04/10/2022	8:56	9:00	POSTED	Cumberland Cou To	2.14	0	485.93	48.59	534.52	0	NO					9.1	6.96	VEOLIAEShelson : ANSCLDPWS
12191427115	CJ18SV	MSWP		04/10/2022	8:57	9:04	POSTED	Canterbury-Bank To	6.58	0	1574.4	157.44	1731.84	0	NO					20.76	14.18	VEOLIAEShelson : ANSCLDPWS
12191427116	XN120H	CIP		04/10/2022	8:58	9:03	POSTED	Doyle Bros Ia Fa To	0.92	0	320	32	352	0	NO					14.86	13.94	VEOLIAEShelson : ANSCLDPWS
12191427117	XN70ZM	MSWP		04/10/2022	8:59	9:03	POSTED	City of Ryde To	7.36	0	1812.62	181.26	1993.88	0	NO					20.86	13.5	VEOLIAEShelson : ANSCLDPWS
12191427118	XN61WY	MSWP		04/10/2022	9:00	9:06	POSTED	Inner West Coun To	3.02	0	835.88	83.59	919.47	0	NO					14.5	11.48	VEOLIAEShelson : ANSCLDPWS
12191427119	XN36KA	CIP		04/10/2022	9:02	9:08	POSTED	SUEZ Recycling To	3.18	0	932.06	93.21	1025.27	0	NO					20.32	17.14	VEOLIAEShelson : ANSCLDPWS
12191427120	CK41CQ	MSWP		04/10/2022	9:04	9:09	POSTED	Cumberland Cou To	0.96	0	217.99	21.8	239.79	0	NO					8.28	7.32	VEOLIAEShelson : ANSCLDPWS
12191427121	CK29AL	MSWP		04/10/2022	9:05	9:10	POSTED	Ashfield Council To	9.56	0	2646.02	264.6	2910.62	0	NO					22.44	12.88	VEOLIAEShelson : ANSCLDPWS
12191427122	XN95AR	MSWP		04/10/2022	9:10	9:16	POSTED	Lane Cove Coun To	1.88	0	463.01	46.3	509.31	0	NO					15.58	13.7	VEOLIAEShelson : ANSCLDPWS
12191427123	XN18XO	MSWP		04/10/2022	9:10	9:13	POSTED	Canterbury-Bank To	9.24	0	2210.85	221.08	2431.93	0	NO					22.68	13.44	VEOLIAEShelson : ANSCLDPWS
12191427124	CK27AL	MSWP		04/10/2022	9:11	9:15	POSTED	Ashfield Council To	9.74	0	2695.84	269.58	2965.42	0	NO					22.28	12.54	VEOLIAEShelson : ANSCLDPWS
12191427125	XN27FG	MSWP		04/10/2022	9:13	9:17	POSTED	Parramatta City (To	0.88	0	245.96	24.6	270.56	0	NO					8.32	7.44	VEOLIAEShelson : ANSCLDPWS
12191427126	X042KY	MSWP	DOMESTIC	04/10/2022	9:14	9:18	POSTED	City of Canada B To	8.36	0	2407.68	240.77	2648.45	0	NO					21.08	12.72	VEOLIAEShelson : ANSCLDPWS
12191427127	CK43KU	CIP	302CTTRL	04/10/2022	9:15	9:20	POSTED	Enfield RearLift	2.42	0	709.3	0	709.3	0	NO					10.98	8.56	VEOLIAEShelson : ANSCLDPWS
12191427128	XN78ZF	MSWP		04/10/2022	9:19	9:22	POSTED	Hornsby Council To	8.12	0	1966.91	196.69	2163.6	0	NO					21.28	13.16	VEOLIAEShelson : ANSCLDPWS
12191427129	X010AG	MSWP		04/10/2022	9:20	9:23	POSTED	Hornsby Council To	7.94	0	1923.31	192.33	2115.64	0	NO					21.1	13.16	VEOLIAEShelson : ANSCLDPWS
12191427130	CP03AT	MSWP		04/10/2022	9:21	9:23	POSTED	Canterbury-Bank To	10.68	0	2555.4	255.54	2810.94	0	NO					23.16	12.48	VEOLIAEShelson : ANSCLDPWS
12191427131	X008AP	MSWP		04/10/2022	9:21	9:24	POSTED	Hornsby Council To	9.26	0	2243.05	224.3	2467.35	0	NO					22.42	13.16	VEOLIAEShelson : ANSCLDPWS
12191427132	XN60GO	CIP	302CTTFL	04/10/2022	9:22	9:27	POSTED	Enfield FrontLift	4.98	0	1459.64	0	1459.64	0	NO					22.42	17.44	VEOLIAEShelson : ANSCLDPWS
12191427133	CN99LG	MSWP		04/10/2022	9:24	9:28	POSTED	Ku-ring-gai Coun To	7.74	0	1906.21	190.62	2096.83	0	NO					21.12	13.38	VEOLIAEShelson : ANSCLDPWS
12191427134	XN44ML	MSWP		04/10/2022	9:28	9:34	POSTED	Canterbury-Bank To	7.68	0	1837.59	183.76	2021.35	0	NO					23.4	15.72	VEOLIAEShelson : ANSCLDPWS
12191427135	X055IN	MSWP		04/10/2022	9:32	9:38	POSTED	Leichhardt Munic To	7.44	0	2059.24	205.92	2265.16	0	NO					22.02	14.58	VEOLIAEShelson : ANSCLDPWS
12191427136	XN50ZK	MSWP		04/10/2022	9:33	9:36	POSTED	Hornsby Council To	8.42	0	2039.58	203.96	2243.54	0	NO					21.58	13.16	VEOLIAEShelson : ANSCLDPWS
12191427137	CB10ZY	MSWP		04/10/2022	9:33	9:36	POSTED	Canterbury-Bank To	10.2	0	2440.55	244.06	2684.61	0	NO					22.52	12.32	VEOLIAEShelson : ANSCLDPWS
12191427138	XN51ZK	MSWP		04/10/2022	9:34	9:37	POSTED	Hornsby Council To	7.8	0	1889.39	188.94	2078.33	0	NO					21.02	13.22	VEOLIAEShelson : ANSCLDPWS
12191427139	XN78LI	MSWP		04/10/2022	9:38	9:45	POSTED	Fairfield City Cou To	2.02	0	584.81	58.48	643.29	0	NO					12.44	10.42	VEOLIAEShelson : ANSCLDPWS
12191427140	CN93MI	MSWP		04/10/2022	9:41	9:46	POSTED	Ku-ring-gai Coun To	2.38	0	586.15	58.62	644.77	0	NO					7.62	5.24	VEOLIAEShelson : ANSCLDPWS
12191427141	XN61FN	CIP	302CTTFL	04/10/2022	9:42	9:48	POSTED	Enfield FrontLift	5.2	0	1524.12	0	1524.12	0	NO					22.22	17.02	VEOLIAEShelson : ANSCLDPWS
12191427142	URM604	MSWP		04/10/2022	9:43	9:47	POSTED	Lane Cove Coun To	6.24	0	1536.79	153.68	1690.47	0	NO					18.7	12.46	VEOLIAEShelson : ANSCLDPWS
12191427143	URM213	MSWP		04/10/2022	9:44	9:48	POSTED	Lane Cove Coun To	5.42	0	1334.84	133.48	1468.32	0	NO					18.22	12.8	VEOLIAEShelson : ANSCLDPWS
12191427144	XN37IM	MSWP		04/10/2022	9:44	9:53	POSTED	Strathfield Munic To	5.82	0	1604.05	160.4	1764.45	0	NO					14.74	8.92	VEOLIAEShelson : ANSCLDPWS
12191427145	X005IC	MSWP	DOMESTIC	04/10/2022	9:44	9:52	POSTED	City of Canada B To	7.82	0	2252.16	225.22	2477.38	0	NO					22.64	14.82	VEOLIAEShelson : ANSCLDPWS
12191427146	X041KY	MSWP	DOMESTIC	04/10/2022	9:50	9:55	POSTED	City of Canada B To	9.58	0	2759.04	275.9	3034.94	0	NO					22.28	12.7	VEOLIAEShelson : ANSCLDPWS
12191427147	XN15XO	MSWP		04/10/2022	9:54	9:57	POSTED	Canterbury-Bank To	9.62	0	2301.78	230.18	2531.96	0	NO					23.1	13.48	VEOLIAEShelson : ANSCLDPWS
12191427148	CN76MI	MSWP		04/10/2022	9:54	10:01	POSTED	Ku-ring-gai Coun To	1.7	0	418.68	41.87	460.55	0	NO					7.1	5.4	VEOLIAEShelson : ANSCLDPWS
12191427149	XN49HD	MSWP	TS&O	04/10/2022	9:54	10:05	POSTED	City of Canada B To	1.12	0	322.56	32.26	354.82	0	NO					7.04	5.92	VEOLIAEShelson : ANSCLDPWS
12191427150	X075AX	MSWP		04/10/2022	9:55	10:00	POSTED	Hornsby Council To	4.26	0	1031.9	103.19	1135.09	0	NO					18.8	14.54	VEOLIAEShelson : ANSCLDPWS
12191427151	CE28GN	MSWP		04/10/2022	9:57	10:02	POSTED	Cumberland Cou To	3.66	0	831.08	83.11	914.19	0	NO					18.24	14.58	VEOLIAEShelson : ANSCLDPWS
12191427152	CN92DF	MSWP		04/10/2022	10:00	10:06	POSTED	Parramatta City (To	1.18	0	329.81	32.98	362.79	0	NO					7.3	6.12	VEOLIAEShelson : ANSCLDPWS
12191427153	SURM	CIP		04/10/2022	10:01	10:10	POSTED	URM Environmen To	3.86	0	1177.3	117.73	1295.03	0	NO					20.56	16.7	VEOLIAEShelson : ANSCLDPWS
12191427154	X007IT	MSWP		04/10/2022	10:03	10:07	POSTED	Ku-ring-gai Coun To	7.74	0	1906.21	190.62	2096.83	0	NO					21.04	13.3	VEOLIAEShelson : ANSCLDPWS
12191427155	X073IH	MSWP		04/10/2022	10:05	10:08	POSTED	Ku-ring-gai Coun To	7.02	0	1728.89	172.89	1901.78	0	NO					20.26	13.24	VEOLIAEShelson : ANSCLDPWS
12191427156	XN26RU	CIP	302CTTRL	04/10/2022	10:05	10:17	POSTED	Enfield RearLift	3.52	0	1031.71	0	1031.71	0	NO					17		

12191427180	XN60NU	MSWP		04/10/2022	11:04	11:10	POSTED	Fairfield City Cou	TO	5.62	0	1627.05	162.7	1789.75	0	NO		19.54	13.92	VEOLIAES\jnelson : ANSLCDPW
12191427181	XN61LR	MSWP		04/10/2022	11:04	11:10	POSTED	Fairfield City Cou	TO	0.7	0	202.66	20.27	222.93	0	NO		11.16	10.46	VEOLIAES\jnelson : ANSLCDPW
12191427182	XO86GD	MSWP		04/10/2022	11:05	11:09	POSTED	City of Ryde	TO	7.04	0	1733.81	173.38	1907.19	0	NO		20.4	13.36	VEOLIAES\jnelson : ANSLCDPW
12191427183	XO92AH	MSWP		04/10/2022	11:07	11:12	POSTED	City of Ryde	TO	7.18	0	1768.29	176.83	1945.12	0	NO		22.3	15.12	VEOLIAES\jnelson : ANSLCDPW
12191427184	CP23XA	CIP		04/10/2022	11:12	11:17	POSTED	J.J Richards & So	TO	4.54	0	1384.7	138.47	1523.17	0	NO		20.84	16.3	VEOLIAES\jnelson : ANSLCDPW
12191427185	CIB9WY	CIP	302CTTFL	04/10/2022	11:15	11:21	POSTED	Enfield FrontLift	TO	1.66	0	486.55	0	486.55	0	NO		18.86	17.3	VEOLIAES\jnelson : ANSLCDPW
12191427186	XO12KG	CIP	302CTTFL	04/10/2022	11:16	11:20	POSTED	Enfield FrontLift	TO	7.36	0	2157.22	0	2157.22	0	NO		25.34	17.98	VEOLIAES\jnelson : ANSLCDPW
12191427187	URM842	MSWP		04/10/2022	11:19	11:23	POSTED	Cumberland Cou	TO	7.5	0	1703.02	170.3	1873.32	0	NO		20.18	12.68	VEOLIAES\jnelson : ANSLCDPW
12191427188	CO18DN	MSWP		04/10/2022	11:25	11:29	POSTED	Canterbury-Bank	TO	6.76	0	1617.47	161.75	1779.22	0	NO		19.1	12.34	VEOLIAES\jnelson : ANSLCDPW
12191427189	CP70DL	MSWP		04/10/2022	11:44	11:48	POSTED	Strathfield Munic	TO	4.88	0	1344.98	134.5	1479.48	0	NO		17.26	12.38	VEOLIAES\jnelson : ANSLCDPW
12191427190	CM16SR	MSWP		04/10/2022	11:49	11:55	POSTED	Strathfield Munic	TO	11.9	0	3279.76	327.98	3607.74	0	NO		24.38	12.48	VEOLIAES\jnelson : ANSLCDPW
12191427191	XN26YU	MSWP		04/10/2022	11:49	11:55	POSTED	City of Ryde	TO	7.02	0	1728.89	172.89	1901.78	0	NO		20.12	13.1	VEOLIAES\jnelson : ANSLCDPW
12191427192	URM813	MSWP		04/10/2022	11:51	11:57	POSTED	Cumberland Cou	TO	6.24	0	1416.92	141.69	1556.61	0	NO		20.56	14.32	VEOLIAES\jnelson : ANSLCDPW
12191427193	XN88XQ	MSWP		04/10/2022	11:53	12:00	POSTED	Strathfield Munic	TO	5	0	1378.05	137.8	1515.85	0	NO		19.86	14.86	VEOLIAES\jnelson : ANSLCDPW
12191427194	XN04ZL	MSWP		04/10/2022	11:54	11:59	POSTED	City of Ryde	TO	4.32	0	1063.93	106.39	1170.32	0	NO		17.68	13.36	VEOLIAES\jnelson : ANSLCDPW
12191427195	XN41ML	CIP	302CTTFL	04/10/2022	11:59	12:07	POSTED	Enfield FrontLift	TO	6.58	0	1928.6	0	1928.6	0	NO		23.76	17.18	VEOLIAES\jnelson : ANSLCDPW
12191427196	XN19QA	MSWSS		04/10/2022	12:02	12:08	POSTED	Fairfield City Cou	TO	1.64	0	474.8	47.48	522.28	0	NO		12.98	11.34	VEOLIAES\jnelson : ANSLCDPW
12191427197	CO41MK	MSWP		04/10/2022	12:03	12:08	POSTED	Leichhardt Munic	TO	2.78	0	769.45	76.94	846.39	0	NO		10.84	8.06	VEOLIAES\jnelson : ANSLCDPW
12191427198	XN70ZM	MSWP		04/10/2022	12:06	12:10	POSTED	City of Ryde	TO	4.56	0	1123.04	112.3	1235.34	0	NO		18.02	13.46	VEOLIAES\jnelson : ANSLCDPW
12191427199	XN92NP	CIP		04/10/2022	12:08	12:13	POSTED	J.J Richards & So	TO	6.46	0	1970.3	197.03	2167.33	0	NO		22.94	16.48	VEOLIAES\jnelson : ANSLCDPW
12191427200	XN37IM	MSWP		04/10/2022	12:09	12:16	POSTED	Strathfield Munic	TO	4.1	0	1130	113	1243	0	NO		13	8.9	VEOLIAES\jnelson : ANSLCDPW
12191427201	CN98LG	MSWP		04/10/2022	12:20	12:24	POSTED	Ku-ring-gai Coun	TO	3.56	0	876.76	87.68	964.44	0	NO		16.88	13.32	VEOLIAES\jnelson : ANSLCDPW
12191427202	XO72IH	MSWP		04/10/2022	12:23	12:26	POSTED	Ku-ring-gai Coun	TO	3.74	0	921.09	92.11	1013.2	0	NO		17	13.26	VEOLIAES\jnelson : ANSLCDPW
12191427203	URM848	MSWP		04/10/2022	12:27	12:31	POSTED	Cumberland Cou	TO	9.52	0	2161.71	216.17	2377.88	0	NO		22.3	12.78	VEOLIAES\jnelson : ANSLCDPW
12191427204	XO41KY	MSWP	DOMESTIC	04/10/2022	12:33	12:38	POSTED	City of Canada B	TO	3.54	0	1019.52	101.95	1121.47	0	NO		16.22	12.68	VEOLIAES\jnelson : ANSLCDPW
12191427205	URM842	MSWP		04/10/2022	12:36	12:40	POSTED	Cumberland Cou	TO	1.1	0	249.78	24.98	274.76	0	NO		13.76	12.66	VEOLIAES\jnelson : ANSLCDPW
12191427206	XO55DB	CIP	302CTTFL	04/10/2022	12:38	12:44	POSTED	Enfield FrontLift	TO	7.8	0	2286.18	0	2286.18	0	NO		25.52	17.72	VEOLIAES\jnelson : ANSLCDPW
12191427207	URM839	MSWP		04/10/2022	12:40	12:44	POSTED	Cumberland Cou	TO	5.18	0	1176.22	117.62	1293.84	0	NO		17.62	12.44	VEOLIAES\jnelson : ANSLCDPW
12191427208	XO10AB	MSWP		04/10/2022	12:47	12:53	POSTED	Hornsby Council	TO	5.96	0	1443.69	144.37	1588.06	0	NO		20.38	14.42	VEOLIAES\jnelson : ANSLCDPW
12191427209	CM72SQ	MSWP		04/10/2022	12:56	13:04	POSTED	Ku-ring-gai Coun	TO	8.6	0	2118.01	211.8	2329.81	0	NO		21.2	12.6	VEOLIAES\jnelson : ANSLCDPW
12191427210	XO90JE	MSWP	DOMESTIC	04/10/2022	12:56	13:02	POSTED	City of Canada B	TO	5.84	0	1624.32	162.43	1786.75	0	NO		18.26	12.62	VEOLIAES\jnelson : ANSLCDPW
12191427211	URM818	MSWP		04/10/2022	13:02	13:06	POSTED	Cumberland Cou	TO	7.48	0	1698.48	169.85	1868.33	0	NO		20.08	12.6	VEOLIAES\jnelson : ANSLCDPW
12191427212	URM814	MSWP		04/10/2022	13:03	13:08	POSTED	Cumberland Cou	TO	7.3	0	1657.61	165.76	1823.37	0	NO		19.9	12.6	VEOLIAES\jnelson : ANSLCDPW
12191427213	XN62KN	CIP	TIP#199028 SEV	04/10/2022	13:05	13:13	POSTED	Sydney Water - E	TO	4.14	0	1152.99	115.3	1268.29	0	NO		21.44	17.3	VEOLIAES\jnelson : ANSLCDPW
12191427214	XO10AG	MSWP		04/10/2022	13:08	13:10	POSTED	Hornsby Council	TO	4	0	968.92	96.89	1065.81	0	NO		17.16	13.16	VEOLIAES\jnelson : ANSLCDPW
12191427215	XN512X	MSWP		04/10/2022	13:11	13:14	POSTED	Hornsby Council	TO	3.44	0	833.27	83.33	916.6	0	NO		16.64	13.2	VEOLIAES\jnelson : ANSLCDPW
12191427216	XN78ZF	MSWP		04/10/2022	13:11	13:15	POSTED	Hornsby Council	TO	3.78	0	915.63	91.56	1007.19	0	NO		16.9	13.12	VEOLIAES\jnelson : ANSLCDPW
12191427217	XN502X	MSWP		04/10/2022	13:12	13:15	POSTED	Hornsby Council	TO	4.78	0	1157.86	115.79	1273.65	0	NO		17.9	13.12	VEOLIAES\jnelson : ANSLCDPW
12191427218	XN79ZF	MSWP		04/10/2022	13:13	13:17	POSTED	Hornsby Council	TO	2.68	0	649.18	64.92	714.1	0	NO		15.86	13.18	VEOLIAES\jnelson : ANSLCDPW
12191427219	URM678	MSWP		04/10/2022	13:14	13:18	POSTED	Cumberland Cou	TO	6.72	0	1525.91	152.59	1678.5	0	NO		19.28	12.56	VEOLIAES\jnelson : ANSLCDPW
12191427220	XN62KN	CIP	TIP#199028 SEV	04/10/2022	13:20	13:28	POSTED	Sydney Water - E	TO	3.42	0	952.47	95.25	1047.72	0	NO		29.24	25.82	VEOLIAES\jnelson : ANSLCDPW
12191427221	URM817	MSWP		04/10/2022	13:20	13:25	POSTED	Cumberland Cou	TO	4.74	0	1076.31	107.63	1183.94	0	NO		17.08	12.34	VEOLIAES\jnelson : ANSLCDPW
12191427222	CK27AL	MSWP		04/10/2022	13:26	13:30	POSTED	Ashfield Council	TO	6.2	0	1716.04	171.6	1887.64	0	NO		18.72	12.52	VEOLIAES\jnelson : ANSLCDPW
12191427223	XN02SU	MSWP		04/10/2022	13:26	13:34	POSTED	Hunter's Hill Cou	TO	1.04	0	256.13	25.61	281.74	0	NO		6.5	5.46	VEOLIAES\jnelson : ANSLCDPW
12191427224	URM820	MSWP		04/10/2022	13:32	13:39	POSTED	Cumberland Cou	TO	8.16	0	1852.89	185.29	2038.18	0	NO		20.62	12.46	VEOLIAES\jnelson : ANSLCDPW
12191427225	URM835	MSWP		04/10/2022	13:33	13:40	POSTED	Cumberland Cou	TO	0.76	0	172.57	17.26	189.83	0	NO		14.04	13.28	VEOLIAES\jnelson : ANSLCDPW
12191427226	XO42KY	MSWP	DOMESTIC	04/10/2022	13:34	13:38	POSTED	City of Canada B	TO	5.12	0	1474.56	147.46	1622.02	0	NO		17.82	12.7	VEOLIAES\jnelson : ANSLCDPW
12191427227	XO38BZ	MSWP		04/10/2022	13:41	13:47	POSTED	Burwood Council	TO	5.96	0	1640.61	164.96	1814.57	0	NO		21.4	15.44	VEOLIAES\jnelson : ANSLCDPW
12191427228	URM806	MSWP		04/10/2022	13:44	13:48	POSTED	Cumberland Cou	TO	6.84	0	1553.16	155.32	1708.48	0	NO		19.08	12.24	VEOLIAES\jnelson : ANSLCDPW
12191427229	XO08AP	MSWP		04/10/2022	13:47	13:51	POSTED	Hornsby Council	TO	6.26	0	1516.36	151.64	1668	0	NO		19.38	13.12	VEOLIAES\jnelson : ANSLCDPW
12191427230	XO05IC	MSWP	DOMESTIC	04/10/2022	13:50	14:01	POSTED	City of Canada B	TO	8.76	0	2522.88	252.29	2775.17	0	NO		23.62	14.86	VEOLIAES\jnelson : ANSLCDPW
12191427231	BH63QY	MSWP		04/10/2022	13:52	13:57	POSTED	Parramatta City	TO	1.44	0	402.48	40.25	442.73	0	NO		11.94	10.5	VEOLIAES\jnelson : ANSLCDPW
12191427232	XN27RU	CIP	302CTTFL	04/10/2022	13:53	13:57	POSTED	Enfield FrontLift	TO	3.94	0	1154.81	0	1154.81	0	NO		21.64	17.7	VEOLIAES\jnelson : ANSLCDPW
12191427233	CM73SQ	MSWP		04/10/2022	13:58	14:02	POSTED	Ku-ring-gai Coun	TO	4.54	0	1118.11	111.81	1229.92	0	NO		17.18	12.64	VEOLIAES\jnelson : ANSLCDPW
12191427234	XO93KR	CIP	302CTTBCom	04/10/2022	13:58	14:06	POSTED	Enfield Bulk	TO	1.56	0	457.24	0	457.24	0	NO		17.96	16.4	VEOLIAES\jnelson : ANSLCDPW
12191427235	AZ41AD	CIP		04/10/2022	14:00	14:06	POSTED	External Bulk - N	TO	2.3	0	0	0	0	0	NO		17.96	15.66	VEOLIAES\jnelson : ANSLCDPW
12191427236	XN54OS	MSWSS		04/10/2022	14:04	14:12	POSTED	Fairfield City Cou	TO	2.22	0	642.71	64.27	706.98	0	NO		13.04	10.82	VEOLIAES\jnelson : ANSLCDPW
12191427237	URM840	MSWP		04/10/2022	14:10	14:13	POSTED	Cumberland Cou	TO	0.96	0	217.99	21.8	239.79	0	NO		13.38	12.42	VEOLIAES\jnelson : ANSLCDPW
12191427238	XN88XQ	CIP		04/10/2022	14:12	14:20	POSTED	URM Environme	TO	9.26	0	2824.3	282.43	3106.73	0	NO		22.68	13.42	VEOLIAES\jnelson : ANSLCDPW
12191427239	XN27OP	CIP		04/10/2022	14:17	14:26	POSTED	External Bulk - N	TO	4.4	0	0	0	0	0	NO		18.46	14.06	VEOLIAES\jnelson : ANSLCDPW
12191427240	XO21DT	CIP	TIP#199028 SEV	04/10/2022	14:18	14:25	POSTED	Sydney Water - E	TO	1.66	0	462.31	46.23	508.54	0	NO		18.5	16.84	VEOLIAES\jnelson : ANSLCDPW
12191427241	XO73IH	MSWP		04/10/2022	14:25	14:32	POSTED	Ku-ring-gai Coun	TO	3.82	0	940.79	94.08	1034.87	0	NO		16.98	13.16	VEOLIAES\jnelson : ANSLCDPW
12191427242	XO07IT	MSWP																		

12191427271	XN580U	CIP	302CTTFL	04/10/2022	20.49	20:54 POSTED	Enfield FrontLift	TO	5.88	0	1723.43	0	1723.43	0	NO				23.68	17.8	VEOLIAES/sarmota : ANSLDPDW
12191427272	XO46GY	CIP		04/10/2022	21.04	21:11 POSTED	SUEZ Recycling	TO	3.2	0	937.92	93.79	1031.71	0	NO				12.6	9.4	VEOLIAES/sarmota : ANSLDPDW
12191427273	XN15OI	CIP	302CTTRL	04/10/2022	21.27	21:32 POSTED	Enfield RearLift	TO	7.18	0	2104.46	0	2104.46	0	NO				20.7	13.52	VEOLIAES/sarmota : ANSLDPDW
12191427274	CJ77ZS	CIP		04/10/2022	22.05	22:11 POSTED	Capital City Wast	TO	4.56	0	1390.8	139.08	1529.88	0	NO				13.18	8.62	VEOLIAES/sarmota : ANSLDPDW
12191427275	CP08NQ	CIP	302CTTBCCOM	04/10/2022	22.13	22:18 POSTED	Enfield Bulk	TO	6.94	0	2034.11	0	2034.11	0	NO				25.16	18.22	VEOLIAES/sarmota : ANSLDPDW
12191427276	CP08NQ	CIP	302CTTBCCOM	04/10/2022	22.40	22:47 POSTED	Enfield Bulk	TO	2.7	0	791.37	0	791.37	0	NO				20.82	18.12	VEOLIAES/sarmota : ANSLDPDW
12191427277	OZLFTR	CIP		04/10/2022	22.49	22:57 POSTED	Aussie Skips Cor	TO	7.42	0	2352.14	235.21	2587.35	0	NO				24.08	16.66	VEOLIAES/sarmota : ANSLDPDW
12191427278	CL78JV	CIP	302CTTRL	04/10/2022	23.08	23:15 POSTED	Enfield RearLift	TO	6.18	0	1811.36	0	1811.36	0	NO				20.5	14.32	VEOLIAES/sarmota : ANSLDPDW
12191427279	XN11OH	CIP		04/10/2022	23.12	23:18 POSTED	Doyle Bros Va Fa	TO	7.8	0	2496	249.6	2745.6	0	NO				21.66	13.86	VEOLIAES/sarmota : ANSLDPDW
12191427280	XO55DB	CIP	302CTTFL	04/10/2022	23.23	23:27 POSTED	Enfield FrontLift	TO	7.34	0	2151.35	0	2151.35	0	NO				25.12	17.78	VEOLIAES/sarmota : ANSLDPDW
12191427281	XN15GJ	CIP		04/10/2022	23.38	23:44 POSTED	Doyle Bros Va Fa	TO	5.6	0	1792	179.2	1971.2	0	NO				19.48	13.88	VEOLIAES/sarmota : ANSLDPDW
					Total Tons	1423.76	Total Loads						0	Total M3							

Appendix D - Truck Noise Measurement Results

NOISE LEVEL MEASUREMENT RESULTS								
Time In	Company	Rego No	Make	Lift	Exhaust	LA Max	Impeded (Y/N)	Comment
10:33	Enfield Rearlift	CK10EJ		REAR		78.2	N	
10:39	Ku-ring-gai Council	CN92MI		REAR		71	N	Small truck
10:41	URM Environmental Services Pty Limi	URM444		REAR		79.3	N	
10:46	Ku-ring-gai Council	CN75MI		REAR		72.8	N	Small truck
10:51	Cumberland Council - Auburn	URM818	IVECO			81.8	N	
11:04	Fairfield City Council-waste	XN60NJ	IVECO	REAR		79.9	N	
11:04	Fairfield City Council-waste	XN61LR	ISUZU	REAR		68.3	N	
11:05	City of Ryde	XO86GD	IVECO	REAR		76.8	Y	
11:07	City of Ryde	XO92AH		REAR		79.7	N	
11:12	JJ Richards & Sons Pty Ltd	CP23XA	DAF	FRONT		73.7	N	
11:15	Enfield FrontLift	CI69WY		FRONT		77.3	N	
11:16	Enfield FrontLift	XO12KG		FRONT		74.8	N	
11:19	Cumberland Council - Auburn	URM842		REAR		80.8	N	
11:25	Canterbury-Bankstown Council	CC18DN		REAR		78	N	
11:44	Strathfield Municipal Council	CP70DL				77.8	N	
11:49	Strathfield Municipal Council	CM16SR				78	N	
11:49	City of Ryde	XN26YU				78.1	N	
11:51	Cumberland Council - Auburn	URM813		REAR	FRONT	77.6	N	
11:53	Strathfield Municipal Council	XN88XQ	VOLVO	REAR		68.8	N	
11:54	City of Ryde	XN04ZL	IVECO			68.5	N	
11:59	Enfield FrontLift	XN41ML		FRONT		72.6	N	
12:02	Fairfield City Council	XN19QA	HINO			71.9	N	
12:03	Leichhardt Municipal Council	CO41MK	HINO			72.4	N	Small truck
12:06	City of Ryde	XN70ZM	IVECO	REAR		76.4	N	
12:08	JJ Richards & Sons Pty Ltd	XN92NP	DAF	FRONT		75.7	N	
12:09	Strathfield Municipal Council	XN37IM	HINO	REAR	FRONT SIDE	76.5	N	
12:20	Ku-ring-gai Council	CN99LG	IVECO	SIDE		78.6	N	
12:23	Ku-ring-gai Council	XO72IH		SIDE		72.1	N	
12:27	Cumberland Council - Auburn	URM848				76.8	N	
12:33	City of Canada Bay Council - Domest	XO41KY		SIDE		77.1	N	
12:36	Cumberland Council - Auburn	URM842		REAR		76.5	N	
12:38	Enfield FrontLift	XO55DB		FRONT		71.3	N	
12:40	Cumberland Council - Auburn	URM839		REAR	FRONT SIDE	79	N	

12:47	Hornsby Council	XO10AB	DENNIS	REAR	FRONT SIDE	70.6	N	
12:56	Ku-ring-gai Council	CM72SQ	IVECO	SIDE	FRONT SIDE	76.1	N	
12:56	City of Canada Bay Council - Domestic	XO90JE	IVECO	SIDE	FRONT SIDE	73.7	N	
13:02	Cumberland Council - Auburn	URM818	IVECO	REAR	FRONT SIDE	80.4	N	
13:03	Cumberland Council - Auburn	URM814	IVECO	REAR	FRONT SIDE	78.6	N	
13:05	Sydney Water - Sewer Silt	XN62KN	SCANIA			67.2	N	
13:08	Hornsby Council	XO10AG	DENNIS	SIDE		76.5	N	
13:11	Hornsby Council	XN51ZK	DENNIS	REAR		71.4	N	
13:11	Hornsby Council	XN78ZF				70.6	N	
13:12	Hornsby Council	XN50ZK				70.6	N	
13:13	Hornsby Council	XN79ZF	DENNIS			71.4	N	
13:14	Cumberland Council - Auburn	URM678	IVECO			77.6	N	
13:20	Sydney Water - Sewer Silt	XN62KN	IVECO			78.5	N	
13:20	Cumberland Council - Auburn	URM817	SCANIA			72	N	
13:26	Ashfield Council	CK27AL	IVECO	SIDE		76.1	N	
13:26	Hunter's Hill Council	XN02SU				67.2	N	Small truck
13:32	Cumberland Council - Auburn	URM820	IVECO			76	N	
13:33	Cumberland Council - Auburn	URM835	IVECO			76.1	N	
13:34	City of Canada Bay Council - Domestic	XO42KY				78.2	N	
13:41	Burwood Council	XO38BZ	BUCHER	REAR	FRONT SIDE	68.5	N	
13:44	Cumberland Council - Auburn	URM806	IVECO	SIDE	FRONT SIDE	74.9	N	
13:47	Hornsby Council	XO08AP	DENNIS	SIDE		75.2	N	
13:50	City of Canada Bay Council - Domestic	XO05IC	DENNIS	REAR		75	N	
13:53	Enfield FrontLift	XN27RU	VOLVO	FRONT		75	N	
13:58	Ku-ring-gai Council	CM73SQ	IVECO	SIDE	FRONT	78.5	N	
13:58	Enfield Bulk	XO93KR	VOLVO	BULK		71.8	N	
14:00	External Bulk - No Jobs Available	AZ41AD	VOLVO	REAR	FRONT	73	N	
14:04	Fairfield City Council	XN54OS	HINO	SWEEPER	FRONT SIDE	75.8	N	
14:10	Cumberland Council - Auburn	URM840	IVECO	SIDE	FRONT SIDE	75.9	N	
14:12	URM Environmental Services Pty Limi	XN98XX	IVECO	REAR	FRONT SIDE	77.1	N	
14:17	External Bulk - No Jobs Available	XN27QP	HINO	REAR		76.3	N	
14:18	Sydney Water - Sewer Silt	XO21DT	MAN	BULK		70	N	
14:25	Ku-ring-gai Council	XO73IH	VOLVO	SIDE		74.9	N	
14:26	Ku-ring-gai Council	XO07IT		SIDE		71.3	Y	
14:33	Ashfield Council	CK29AL		SIDE		76.2	N	

14:49	Enfield Bulk	XO93KR	VOLVO	BULK		73.9	N	
	Measured Truck Movements		Total Impeded Truck Movements					
	69		2					
	Total Truck Movements (4/10/22)		Unimpeded Measurement					
	255		67					
	Percent of truck movements		Total Small Truck Measurements					
	27.00%		4					

Appendix D4 - Pest & Vermin Reports

SERVICE REPORT

16/02/2022

Service Performed by:

EXPERT JUDGEMENT

PEST MANAGEMENT PTY LTD

PO Box A25, ENFIELD SOUTH NSW 2133

enquiries@expertjudgementpest.com.au

Telephone: (02) 9715 5270

ABN 63 081 548 861

Property Detail:

Veolia Environmental Services (Australia) Pty Ltd
Clyde Transfer Terminal
322 Parramatta Road
AUBURN NSW 2144

Service Details:

A quarterly routine pest control service to internal
and external areas for cockroaches, ants, spiders
and rodents.

Inspected and treated internal areas, kitchens, offices,
toilets and weighbridge by using Goliath cockroach gel
and Coopex dust spot spray.

Inspected and treated external areas, shed area and
pit area by using Cislin 25 spray and Roban rodent bait.

Cockroach activity found at weighbridge office area and
treated by using Coopex dust spot spray and Goliath
cockroach gel.

Cleaning and good storage practice are required at the
weighbridge.

SERVICE REPORT

27/05/2022

Service Performed by:

EXPERT JUDGEMENT

PEST MANAGEMENT PTY LTD

PO Box A25, ENFIELD SOUTH NSW 2133

enquiries@expertjudgementpest.com.au

Telephone: (02) 9715 5270

ABN 63 081 548 861

Property Detail:

Veolia Environmental Services (Australia) Pty Ltd
Clyde Transfer Terminal
322 Parramatta Road
AUBURN NSW 2144

Service Details:

A quarterly routine pest control service to internal
and external areas for cockroaches, ants, spiders
and rodents.

Inspected and treated internal areas, kitchens, offices,
toilets and weighbridge by using Goliath cockroach gel
and Cislin 25 spray.

Inspected and treated external areas, shed area and
pit area by using Cislin 25 spray and Roban rodent bait.

Spider activity found and treated by using Cislin 25 spray.

SERVICE REPORT

15/08/2022

Service Performed by:

EXPERT JUDGEMENT

PEST MANAGEMENT PTY LTD

PO Box A25, ENFIELD SOUTH NSW 2133

enquiries@expertjudgementpest.com.au

Telephone: (02) 9715 5270

ABN 63 081 548 861

Property Detail:

Veolia Environmental Services (Australia) Pty Ltd
Clyde Transfer Terminal
322 Parramatta Road
AUBURN NSW 2144

Service Details:

A quarterly routine pest control service to internal
and external areas for cockroaches, ants, spiders
and rodents.

Inspected and treated internal areas, kitchens, offices,
toilets and weighbridge by using Goliath cockroach gel
and Coopex dust spot spray.

Inspected and treated external areas, shed area and
pit area by using Cislin 25 spray and Roban rodent bait.

Rodent activity found in external areas and treated by
using Roban rodent bait.

SERVICE REPORT

15/11/2022

Service Performed by:

EXPERT JUDGEMENT

PEST MANAGEMENT PTY LTD

PO Box A25, ENFIELD SOUTH NSW 2133

enquiries@expertjudgementpest.com.au

Telephone: (02) 9715 5270

ABN 63 081 548 861

Property Detail:

Veolia Environmental Services (Australia) Pty Ltd
Clyde Transfer Terminal
322 Parramatta Road
AUBURN NSW 2144

Service Details:

A quarterly routine pest control service to internal
and external areas for cockroaches, ants, spiders
and rodents.

Inspected and treated internal areas, kitchens, offices,
toilets and weighbridge by using Cislin 25 spray.

Inspected and treated external areas, shed area and
pit area by using Cislin 25 spray and Roban rodent bait.

Rodent activity found in pit and external areas and
treated by using Roban rodent bait.