Government of Western Australia
Department of Water and Environmental Regulation

# Licence

| | |
|---|---|
| **Licence number** | L7799/2001/8 |
| **Licence holder** | Re.Cycle (Canning Vale) Pty Ltd |
| **ACN (if applicable)** | 616 411 217 |
| **Registered business address** | Suite 1 Level 19<br>100 Miller Street<br>North Sydney NSW 2060 |
| **DWER file number** | DER2015/001639-1 and INS-0001541 |
| **Duration** | 31/03/2015 to 30/03/2033 |
| **Date of issue** | 31 March 2015 |
| **Premises details** | Canning Vale Centre<br>Part Lot 77 and Part Lot 78 on Plan 2903, 350 Bannister Road<br>CANNING VALE, WA 6031<br><br>As defined in Schedule 1 |

| **Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)** | **Assessed production / design capacity** |
|---|---|
| Category 67A: Compost manufacturing and soil blending: premises on which organic material (excluding silage) or waste is stored pending processing, mixing, drying or composting to produce commercial quantities of compost or blended soils. | No more than 120,000 tonnes per year |
| Category 61A: Solid waste facility: premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated, or discharged onto land. | No more than 52,000 tonnes per year |
| Category 62: Solid waste depot: premises on which waste is stored or sorted, pending final disposal or re-use, other than in the course of operating —<br>(a) a refund point (as defined in the *Waste Avoidance and Resource Recovery Act 2007* section 47C(1)) (a refund point); or<br>(b) a facility or other place (an aggregation point) for the aggregation of containers that have been returned to refund points until those containers are accepted for processing or disposal. | No more than 30,000 tonnes per year |

This licence is granted to the licence holder, subject to the attached conditions, on 6 January 2026, by:

Grace Heydon

Digitally signed by Grace Heydon
Date: 2026.01.06 12:22:11 +08'00'

**MANAGER, WASTE INDUSTRIES**

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

# Interpretation

In this licence:

(a) the words ‘including’, ‘includes’ and ‘include’ in conditions mean “including but not limited to”, and similar, as appropriate;

(b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;

(c) where tables are used in a condition, each row in a table constitutes a separate condition;

(d) any reference to an Australian or other standard, guideline, or code of practice in this licence:

  (i) if dated, refers to that particular version; and

  (ii) if not dated, refers to the latest version and therefore may be subject to change over time;

(e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and

(f) unless specified otherwise, all definitions are in accordance with the EP Act.

**NOTE:** This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

# Definitions

**"AS/NZS 4323.3:2001"** means Australian/New Zealand Standard Stationary source emissions Part 3: Determination of odour concentration by dynamic olfactometry;

**"Authorised Officer or Inspector"** means a person authorised under section 87 or 88 of the *Environmental Protection Act 1986;*

**"Annual Period"** means a 12 month period commencing from 1 July to 30 June of the immediately following year

**"Approved Form"** means the AACR Form template approved by the CEO and for use and available via DWER's external website

**"Biofilter management plan"** means the document Biofilter Management Plan - Operations & Management of Canning Vale FOGO Processing Facility Biofilters (prepared by The Odour Unit WA P/L).

**"CEO"** means Chief Executive Officer;

**"CEO"** for the purposes of notification means:

Director General
Department Administering the Environmental Protection Act 1986
Locked Bag 10
JOONDALUP DC WA 6919
info@dwer.wa.gov.au

"**Combined Premises**" means the combined Resource Recovery Group Canning Vale Centre (CVC) located within the current premises; and the CVC Materials Recovery Facility premises located at Lot 85 Plan 2903, Certificate of Title Volume 1220 Folio 158 Bannister Road, Canning Vale WA 6155 as shown in Schedule 1 Figure 2.

**"Condition"** a condition to which this licence is subject under section 62 of the *Environmental Protection Act 1986*;

**"Controlled Waste Contractor"** means contractors licensed under the *Environmental. Protection (Controlled Waste) Regulations 2004;*

**"Environmentally Hazardous Materials"** means any substance having toxic, corrosive, flammable, explosive, infectious or otherwise dangerous characteristics which poses a risk to or a state of danger to human beings or the environment;

**"Environmental Management System"** means a program that identifies, manages and reduces impacts on the environment and generates reports on environmental performance progress. It provides a systematic and methodical approach to planning, implementing and

reviewing an organisation's response to those impacts;

"**FOGO"** means food organic and garden organic waste, as collected through the municipal kerbside waste collection service. It may also include some food and garden organic wastes derived from commercial properties;

**"Fire Management Plan"** means a detailed documented program of actions that reflect the requirements under Section 7.2.5 of the Western Australian Urban Fire Emergency Management Plan - Westplan Urban Fire, Fire Rescue Service of Western Australia;

**"Greenwaste"** means waste that originates from trees or plants and includes grass and garden clippings, leave tree pruning and branches;

**"Landfill Definitions"** means the document titled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer of the Department of Environment as amended from time to time;

**"Licence Holder"** means Resource Recovery Group

**"Municipal Solid Waste"** means household domestic waste that is set aside for kerb-side collection or delivered by the householder directly to the waste facility; or - other types of domestic waste (e.g. domestic clean-up, furniture and residential garden waste, grass sods); or - local council generated waste (e.g. waste from litter bins and parks); or - commercial waste generated from food preparation premises, supermarkets etc.

**"Pollution Control Equipment"** means any equipment used to transport and treat odorous gases from the Process Operations Area prior to discharge into the environment;

**"Premises"** for the purposes of this licence means Lot 78 on Plan 2903 and Lot 77 on Plan 2903, 350 Bannister Road, Canning Vale as depicted in Figure 2;

**"Procedure *OM001.1 Relative Humidity Monitoring Procedure"*** means the procedure submitted to DER on 20 September 2013;

**"Process Operations Area"** means the Tipping Shed, the Aeration Building, the Digesters and the Product Storage Shed as depicted in Figure 3;

**"Putrescible Waste"** means a waste stream likely to become putrid as defined in the document titled 'Landfill Waste Classification and Waste Definitions 1996 (as amended)' including grease trap waste;

**"Quarterly"** means the 4 inclusive periods from 1 February to 30 April, 1 May to 31 July, 1 August to 31 October and 1 November to 31 January.

**"Stage 1"** means the use of the existing tipping building for receival and decontamination of FOGO and food organics.

**"Stage 2"** means the continuation of Stage 1 operations and use of the aeration building for composting of decontaminated FOGO and load out of final product through the product storage building.

**"Suitably qualified engineer"** means a person who:

(a) holds a bachelor degree in civil engineering; and

(b) has a minimum of at least three years of experience working in the area/field of civil engineering.

# Licence conditions

The licence holder must ensure that the following conditions are complied with:

## Infrastructure and equipment (installation and operation)

1. The licence holder must install the infrastructure listed in Table 1, in accordance with;
   (a) the corresponding design and installation requirement; and
   (b) at the corresponding infrastructure location; and
   (c) within the corresponding timeframe,
   as set out in Table 1.

2. The licence holder must within 30 calendar days of the completion of all items of infrastructure of each Stage (Stage 1 works and Stage 2 works) required by condition 1:
   (a) undertake an audit of their compliance with the requirements of condition 1; and
   (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:
   (a) certification by a suitably qualified engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been installed in accordance with the relevant requirements specified in condition 1;
   (b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1; and
   (c) be signed by a person authorised to represent the licence holder and contains the printed name and position of that person.

4. Following compliance with Conditions 1 to 3, the licence holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirements set out in Table 1.

**Table 1: Design, installation and operational requirements**

| Row Number | Infrastructure | Design, installation and operational requirements | Infrastructure location |
|---|---|---|---|
| **Stage 1** | | | |
| 1 | Associated infrastructure and equipment incorporated within the Tipping Building | **Design and installation requirements:**<br>- Fully enclosed building with fast-acting doors.<br>- Ventilation system to induce a negative pressure in the building, with the extracted air directed to Biofilters 3 and 4. | Labelled 'Tipping Shed' as depicted in Figure 3 of Schedule 1. |

| Row Number | Infrastructure | Design, installation and operational requirements | Infrastructure location |
|---|---|---|---|
| | | - Contain decontamination process line infrastructure, including:<br>• slow speed shredder<br>• fixed electric trommel screen<br>• mobile trommel screen<br>• density separator<br>• sorting cabin.<br><br>**Operational requirements:**<br>- Ensure that building doors remain closed at all times unless vehicles are entering or exiting the building to deliver or remove waste.<br>- Maintain the ventilation system as specified in the design requirements above.<br>- Maintain decontamination process line infrastructure as specified in the design requirements above. | |
| 2 | Associated infrastructure and equipment incorporated within the Aeration Building | **Design and installation requirements:**<br>- Fully enclosed building with fast-acting doors.<br>- Ventilation system capable of inducing a negative pressure in the building, with the extracted air directed to Biofilters 1 and 2[1].<br><br>**Operational requirements:**<br>- Ensure that building doors remain closed at all times unless vehicles are entering or exiting the building to deliver or remove waste.<br>- Maintain the ventilation system as specified in the design requirements above[1].<br><br>**Note 1: No composting activities will be conducted in the Aeration Building during Stage 1; consequently Biofilters 1 and 2 are not required to be operated. All systems and equipment will be maintained in maintenance mode.** | Labelled 'Aeration Building' as depicted in Figure 3 of Schedule 1. |
| 3 | Biofilters | **Design and installation requirements:**<br>**Biofilters 3 and 4:**<br>- To service the Tipping Building.<br>- To each have a design capacity of 110,000 $m^3$/hr.<br><br>**Operational requirements:**<br>**Biofilters 3 and 4:**<br>- To service the Tipping Building at the design capacity as specified in the design requirements above. | Labelled 'Biofilter 3' and 'Biofilter 4' as depicted in Figure 3 of Schedule 1. |

| Row Number | Infrastructure | Design, installation and operational requirements | Infrastructure location |
|---|---|---|---|
| 4 | Associated infrastructure and equipment incorporated within the Product Storage Shed | **Operational requirements:**<br>- To be used during Stage 1 for the transfer of General Waste, General Waste Residual materials and Municipal Solid Waste. | Labelled 'Product Storage Shed' as depicted in Figure 3 of Schedule 1. |
| **Stage 2** | | | |
| 5 | Associated infrastructure and equipment incorporated within the Tipping Building | **Design and installation requirements:**<br>- Fully enclosed building with fast-acting doors.<br>- Ventilation system to induce a negative pressure in the building, with the extracted air directed to Biofilters 3 and 4.<br>- Contain decontamination process line infrastructure, including:<br>• slow speed shredder<br>• fixed electric trommel screen<br><br>**Operational requirements:**<br>- Ensure that building doors remain closed at all times unless vehicles are entering or exiting the building to deliver or remove waste.<br>- Maintain the ventilation system as specified in the design requirements above.<br>- Maintain decontamination process line infrastructure as specified in the design requirements above. | Labelled 'Tipping Shed' as depicted in Figure 3 of Schedule 1. |
| 6 | Associated infrastructure and equipment incorporated within the Aeration Building | **Design and installation requirements:**<br>- Fully enclosed building with fast-acting doors.<br>- Ventilation system to induce a negative pressure in the building, with the extracted air directed to Biofilters 1 and 2.<br>- Removal of the following equipment from the tipping building and installation in the Aeration building in the Discharge line 2 area:<br>• mobile trommel screen;<br>• density separator; and<br>• sorting cabin.<br><br>**Operational requirements:**<br>- Ensure that building doors remain closed at all times unless vehicles are entering or exiting the building to deliver or remove waste.<br>- Maintain the ventilation system as specified in the design requirements above.<br>- Maintain decontamination process line infrastructure as specified in the design | Labelled 'Aeration Building' as depicted in Figure 3 of Schedule 1 |

| Row Number | Infrastructure | Design, installation and operational requirements | Infrastructure location |
|---|---|---|---|
| | | requirements above. | |
| 7 | Link Conveyor | **Design and installation requirements:**<br>- Installation of an enclosed link conveyor between the Tipping building and Aeration building to transfer decontaminated FOGO material for composting.<br>- The link conveyor to be fully enclosed in metal clad structure and subject to negative pressure to control odour emissions.<br>- The conveyor enclosure to be approximately 10 metres in length by 3 metres wide by 4 metres in height, representing approximately 120 $m^3$ in volume.<br>- Air extracted from the conveyor enclosure to be treated through Biofilters 1 and 2.<br><br>**Operational requirements:**<br>- Maintain the conveyor infrastructure as specified in the design requirements above.<br>- Maintain the air extraction system as specified in the design requirements above.<br>- Decontaminated FOGO material for composting to be transferred between the Tipping building and Aeration building on the Link Conveyor. | Located between the 'Tipping Shed' and 'Aeration Building' as depicted in Figure 3 of Schedule 1. |
| 8 | Biofilters | **Design and installation requirements:**<br>**Biofilters 1 and 2:**<br>- To service the Aeration Building and Product Storage Shed.<br>- Biofilter 1 to have a design capacity of 288,000 $m^3$/hr.<br>- Biofilter 2 to have a design capacity of 144,000 $m^3$/hr.<br>**Biofilters 3 and 4:**<br>- To service the Tipping Building.<br>- To each have a design capacity of 110,000 $m^3$/hr.<br><br>**Operational requirements:**<br>**Biofilters 1 and 2:**<br>- To service the Aeration Building and Product Storage Shed at the design capacity as specified in the design requirements above.<br>**Biofilters 3 and 4:**<br>- To service the Tipping Building at the design capacity as specified in the design requirements above. | Labelled 'Biofilter 1', 'Biofilter 2', 'Biofilter 3' and 'Biofilter 4' as depicted in Figure 3 of Schedule 1. |

| Row Number | Infrastructure | Design, installation and operational requirements | Infrastructure location |
|---|---|---|---|
| | | | |
| 9 | Associated infrastructure and equipment incorporated within the Product Storage Shed | **Design and installation requirements:**<br>- Ventilation system to induce a negative pressure in the building, with the extracted air directed to Biofilters 1 and 2.<br><br>**Operational requirements:**<br>- Maintain the ventilation system as specified in the design requirements above. | Labelled 'Product Storage Shed' as depicted in Figure 3 of Schedule 1. |

## Waste acceptance and general operations

5. The Licence Holder must only accept onto the premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets the corresponding acceptance specification set out in Table 2.

**Table 2: Types of waste authorised to be accepted onto the premises**

| Category | Waste type | Rate at which waste is received | Acceptance specification |
|---|---|---|---|
| Category 67A | Putrescible waste | 120,000 tonnes per annum | Putrescible wastes must be accepted onto the premises for storage within the Tipping Shed as depicted in Figure 3.<br>The putrescible waste may include food organic and garden organic waste (FOGO). |
| Category 61A | Greenwaste | 52,000 tonnes per annum | Green waste accepted onto the premises for storage within Area A only (as detailed in Figure 1). |
| Category 62 | Putrescible waste | 30,000 tonnes per annum | Municipal Solid Waste |

6. The Licence Holder must ensure that where waste does not meet the waste acceptance criteria set out in condition 5 it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a quarantined storage area or container and removed to an appropriately authorised facility within seven calendar days.

## Waste processing

7. The licence holder must ensure that the waste types specified in Table 3 are only subjected to the corresponding processes, subject to the corresponding process limits and/or specifications.

**Table 3: Waste processing**

| Waste type | Process(es) | Process limits and/or specifications |
|---|---|---|
| Putrescible waste | Receipt, handling, processing and storage prior to removal offsite | The Licence Holder must store all permitted Putrescible Waste in the Tipping Shed, Aeration Building or the Product Storage Shed, as shown in Schedule 1 (Figure 3), at all times.<br><br>The Licence Holder must store all non-solid Putrescible Wastes in the designated biosolids storage tank<br><br>The Licence Holder must ensure that all Putrescible Waste material accepted at the Premises remains within an enclosed building or vessel until it is transported off site |
| Greenwaste | Receipt, handling, processing and storage prior to removal offsite | Greenwaste must be stored in Area A, as specified in Schedule 1 (Figure 1), in the following manner:<br>(a) storage of no more than 1000 tonnes of greenwaste in Area A at any one time (does not apply to tree trunks and branches with a minimum diameter of 300 millimetres on which leaves or smaller branches are not attached);<br>(b) removal of greenwaste from the premises within 10 days of receipt (does not apply to tree trunks and branches with a minimum diameter of 300 millimetres on which leaves or smaller branches are not attached);<br>(c) storage of all mulched greenwaste within the shredder building as detailed in Figure 1;<br>(d) processing the green waste material following a First In First Out process;<br>(e) retaining a record of total daily amount of green waste accepted and stored in Area A (as detailed in Figure 1) and the total amount of mulched green waste sent offsite; and<br>(f) a comparison of the amount of greenwaste recorded in part (e) of this condition to the maximum amount of greenwaste permitted to be stored onsite given in part (a) of this condition; and<br>The Licence Holder must implement the most current and approved version of the following Resource Recovery Group |

| Waste type | Process(es) | Process limits and/or specifications |
|---|---|---|
| | | Operational Procedures[1] for the purposes of managing greenwaste accepted, processed and stored in Area A:<br>(a) *Standard Operational Procedure 001 - Greenwaste: Odour Monitoring and Control*;<br>(b) *Standard Operational Procedure 007 - Greenwaste Stock Management*;<br>(c) *Procedure EOPG-1, Unloading, Loading and Storage of Green waste*;<br>(d) *Procedure EOPG-5, Control and Monitoring of Odour from Green waste Mulching Operation*; and<br>(e) *Procedure EOPG-2, Processing of Green waste.*<br>*Note 1: Where the Operational Procedures contradict the conditions of this licence, the conditions of this licence prevail.* |

8. The Licence Holder must maintain a fence that is a minimum height of 1.8 metres around the whole perimeter of the Combined Premises boundary, as depicted in Figure 2, to effectively control wind-blown waste.

9. The Licence Holder must ensure that any entrance or exit at the Combined Premises is securely locked when the Premises is unattended.

10. The Licence Holder must cover or enclose all waste material prior to it leaving the Premises.

11. The Licence Holder must ensure that all wind-blown waste emanating from the Premises including that waste found on the Combined Premises perimeter boundary fence; as depicted in Figure 2, is collected and removed from the Premises to a suitable facility on a weekly basis.

## Odour Management and Monitoring

12. The Licence Holder must maintain a continuous monitoring system with an automated alarm system communicating to a central control room, for the purposes of continuously measuring temperature, relative humidity and pressure at the following locations:

    (i) in all humidifier and wet scrubber inlet gases;
    (ii) in Biofilter 1, 2, 3 and 4 inlet gases; and
    (iii) any other Pollution Control Equipment.

13(a). The Licence Holder must operate and manage Biofilters 1, 2, 3 and 4 such that odour concentrations, when measured on the surface of each biofilter cell in accordance with condition 33(a), do not exceed 500 odour units.

13(b). The Licence Holder must operate and manage Biofilters 1, 2, 3 and 4 to ensure that the limits for the parameters specified in Column 2 of Table 4, at the locations specified in Column 1 of Table 4, comply with the limits listed in Column 3 and Column 4 of Table 4.

**Table 4: Temporary and wet scrubbing system performance limits and targets**

| Column 1 | Column 2 | Column 3 | Column 4 |
|---|---|---|---|
| **Location** | **Parameter** | **Target** | **Limit** |
| Inlet of each cell of Biofilters 1, 2, 3 and 4 | Relative Humidity (% moisture) | 90 % | 85 % |
| | Temperature (°C) | No more than 40°C | No more than 45°C |

13(c). The Licence Holder must take the following management actions when the continuous emissions monitoring system shows an exceedance of the limits for relative humidity or temperature in Table 1 at the inlet of any cell of any biofilter:

(i) immediately take action to improve the efficiency of the humidifier as per procedure *OM001.1 Relative Humidity Monitoring Procedure;*

(ii) when the exceedance has lasted in excess of 3 hours notify the CEO as soon as practicable, but no longer than 24 hours after the 3 hour exceedance.

(iii) when the exceedance has lasted in excess of 24 hours or for a total of 33 hours over any consecutive 7 day period, notify the CEO and investigate the reason for the non-compliance and submit a report of the investigation to the CEO within 14 days

(iv) as soon as practicable implement the measures necessary to rectify the performance of the pollution control equipment identified by the investigation required by condition 13(c)(iii).

14(a). The Licence Holder must monitor humidifier and wet scrubber performance at the locations specified in Column 1 of Table 5 for the parameters detailed in Column 2 Table 5 at the frequency given in Column 3 of Table 5.

**Table 5: Humidifier and wet scrubber performance**

| Column 1 | Column 2 | Column 3 |
|---|---|---|
| **Location** | **Parameter** | **Frequency** |
| 1. Inlet gases for Biofilter 1, 2, 3 and 4;<br>2. Pre wet scrubber system on Biofilters 3 and 4; and<br>3. Pre-humidification system on Biofilters | Temperature (degrees Celsius) | Continuously |
| | Relative humidity (percent moisture) | |

| Column 1 | Column 2 | Column 3 |
|---|---|---|
| **Location** | **Parameter** | **Frequency** |
| 1 and 2 | Pressure (kilopascals) | |
| | Fan velocity rate (%) | |

14(b). The Licence Holder must ensure that the continuous monitors utilised to monitor the parameters as required by condition 14(a), are maintained and calibrated in accordance with the manufacturer's specifications.

14(c). The Licence Holder must undertake the following actions in relation to the operation of the continuous monitors, referred to in condition 14(b):

(a) monitor and record the availability on a monthly basis; and

(b) ensure that they are operated to achieve at least 90 per cent availability each calendar year.

15(a). The Licence Holder must monitor biofilter performance in accordance with the Biofilter Management Plan in condition 17 at the locations specified in Column 2 of Table 6 for the parameters detailed in Column 1 of Table 6 at the frequency given in Column 3 of Table 6 using the methods specified in Column 4 of Table 6.

**Table 6: Biofilter performance**

| Column 1 | Column 2 | Column 3 | Column 4 |
|---|---|---|---|
| **Parameters** | **Measurement and sampling locations** | **Monitoring frequency** | **Sampling and measurement method** |
| Media surface velocity in metres per hour per unit of surface area and per section used for the wall measurement. | 12 evenly spaced locations over the surface area of each cell | Quarterly[1] for the period May to October (with a minimum of 45 days between 2 consecutive measurements).<br><br>Monthly[2] for the period November to April (with a minimum of 15 days between 2 consecutive measurements) | In accordance with the Biofilter management Plan specified in condition 17 |
| Odour concentration (odour units) | Composite sample from 12 evenly spaced locations over the surface area of each cell including along the biofilter walls | | In accordance with the Biofilter Management Plan specified in condition 17 and following AS/NZS 4323.3:2001 |
| | One sample at the inlet for each biofilter cell | | |
| Temperature<br>˚C | Measurement taken of the air above the biofilter at 12 evenly spaced locations over the surface area of each cell | | N/A |

Note 1: Quarterly Monitoring is required except where biofilters are shut down for periods of greater than 90 consecutive days.

Note 2: Monthly monitoring is required except where biofilters are shut down for periods greater than 28 consecutive days.

15(b). Whilst undertaking the monitoring required by condition 15(a), the Licence Holder must:

(i) monitor and record the parameters required by condition 15(a), Column 2 of Table 6; and

(ii) ensure that the biofilter inlet fan is operating at normal operating conditions.

16. The Licence Holder must make available to an Authorised Officer or Inspector on request all data collected under any condition of this licence.

17. The Licence Holder must update the Biofilter Management Plan annually.

18(a). The Licence Holder must implement the Odour Field Assessment (OFA): Methodology Statement (Environmental & Air Quality Consulting Pty Ltd)

18(b). The Licence Holder must publish on a Resource Recovery Group website accessible to the public, by 5 p.m. of the first Wednesday of each month, the outcomes of the ambient odour assessments required by condition 18(a) conducted during the previous month.

18(c). The Licence Holder must submit an OFA report by 15 March of each year detailing the results of all the ambient odour assessments and an assessment of the results against the criteria as detailed in the Odour Field Assessment (OFA): Methodology Statement (Environmental & Air Quality Consulting Pty Ltd)

18(d). The OFA report prepared pursuant to condition 18(c) is to include, as a minimum:

(a) the objective of the assessment;

(b) a description of the measurement strategy, measurement conditions and the odour field survey standards that were followed;

(c) the following details for each single measurement:

(i) odour intensity levels and odour characters;

(ii) location (GPS coordinates), date and time;

(iii) field survey odour panellist identification; and

(iv) details of waste storage volumes held and/or transferred through the site during the assessment period.

(d) the following representative meteorological measurements as recorded during the measurement cycle:

(i) wind speed (metres per second);

(ii) wind direction;

(iii) cloud cover estimate;

(iv) temperature;

(e) map(s) depicting the assessment area, odour sources at the premises and other potential odour sources (if relevant);

(f) a graphical summary of field survey results showing the recorded odour intensity levels either as a percentage of total observations using pie charts if the stationary plume method was used or as coloured dot points if the dynamic plume method was used that will be superimposed at each point assessed on a map of the survey area;

(g) any deviations from the conditions targeted in the OFA strategy and those occurring during the measurement (conclusions should reflect the influence of such deviations on the results); and

(h) detailed analysis, interpretation and conclusions with regard to the objectives of the assessment.

19. The Licence Holder must ensure all odorous gases are collected from the Process Operations Area and passed through and treated by the Biofilters and associated Pollution Control Equipment prior to being discharged into the environment.

20. The Licence Holder must ensure that odour emitted from the premises does not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person who is not on the premises.

21. The Licence Holder must ensure that in the event of a failure or malfunction of any Pollution Control Equipment, the Licence Holder must:

(a) inform the CEO within 24 hours of the cause and duration of the malfunction;

(b) notify the CEO of remedies taken to rectify the problem and time of startup;

(c) take all reasonable and practical actions to cease any emissions of unreasonable odours when a failure or malfunction of the Pollution Control Equipment is detected; and

(d) ensure that if any Pollution Control Equipment is not rectified within 24 hours of detection and unreasonable odours are likely to be emitted, no further Putrescible Waste is to be accepted at the Premises until such time as the failure or malfunction has been rectified.

22. The Licence Holder must operate and maintain a system to detect failures in the Pollution Control Equipment in real time.

23. The Licence Holder must take all reasonable and practical actions to cease any emissions of unreasonable odours when a failure or malfunction of the Pollution Control Equipment is detected.

24. The Licence Holder must ensure that in the event that the failure or malfunction of any Pollution Control Equipment is not rectified within 24 hours of detection and unreasonable odours are likely to be emitted, no further Putrescible Waste is to be accepted at the Premises until such time as the failure or malfunction has been rectified.

## Fire Risk Management

25. The Licence Holder must take all practical measures to prevent fires from occurring

on the Premises.

26. The Licence Holder must ensure that a Fire Management Plan for the premises is developed, implemented and updated as required.

## Stormwater and Leachate Management

27. The Licence Holder must ensure that all stormwater drains on the Premises are maintained and operate effectively to ensure that all stormwater is discharged from the Premises unimpeded.

28. The Licence Holder must direct all stormwater into:

(a) a sedimentation pond prior to its release from the Premises; or

(b) into an infiltration basin on the Premises.

29. The Licence Holder must ensure that all liquid emanating from the waste receival and sorting or transfer areas and vehicle wash down areas at the Premises is captured in impermeable blind sumps and directed into leachate storage tanks.

30. The Licence Holder must ensure that all liquid in the leachate storage tanks referred to in condition 29 that is not reused in the compost process is disposed of by:

(a) the Water Corporation sewerage system; or

(b) removed from the Premises via tanker by a licensed Controlled Waste Contractor to a treatment plant prior to discharge into the environment.

## Storage of Environmentally Hazardous Materials

31. The Licence Holder must store all chemicals and environmentally hazardous materials including, but not limited to, fuel, oil or other hydrocarbons (where the total volume of each substance stored on the premises exceeds 250 litres) within low permeability ($10^{-9}$ metres per second or less) bunded hardstand areas designed to contain not less than 110% of the volume of the largest storage vessel or inter-connected system, and at least 25% of the total volume of all substances stored in the bunded hardstand areas.

32. The Licence Holder must keep a written or electronic record of all incidents involving discharges of chemicals or environmentally hazardous materials within and from the Premises.

## Operational noise validation

33. Within 30 days of the commencement of Stage 2 operations, the licence holder must retain the services of a person qualified and experienced in the area of environmental noise assessment and who by their qualifications and experience is eligible to hold membership of the Australian Acoustical Society or the Australian Association of Acoustical Consultants to:

(a) investigate the nature and extent of noise emissions from the premises;

(b) assess in accordance with the methodology required in the *Environmental Protection (Noise) Regulations 1997*, the compliance of the noise emissions from the primary activities, against the relevant assigned levels specified in those Regulations; and

(c) compile and submit to the licence holder within 3 months of the completion of the investigation, a report in accordance with condition 34.

34. A report prepared pursuant to condition 33(c) is to include:

(a) a description of the methods used for monitoring and/or modelling of noise emissions from the premises;

(b) details and the results of the investigation undertaken pursuant to condition 33(a);

(c) details and results of the assessment of the noise emissions from the premises, against the relevant assigned levels in the *Environmental Protection (Noise) Regulations 1997* undertaken pursuant to condition 33(b); and

(d) an assessment of noise levels against the most recent previous noise assessment.

35. The licence holder must submit to the CEO the report prepared pursuant to condition 33(c) within 14 days of receiving it.

36. Where an assessment pursuant to condition 33(b) indicates that noise emissions do not comply with the relevant assigned levels in the *Environmental Protection (Noise) Regulations 1997*, the license holder must:

(a) within 60 days of receiving an assessment report pursuant to condition 33(c) prepare a plan to ensure the undertaking of the licensed activity will no longer lead to any contravention of the *Environmental Protection (Noise) Regulations 1997;* and

(b) provide to the CEO a copy of the plan prepared pursuant to condition 36(a) within 30 days of its preparation.

## Records and reporting

37. The Licence Holder must keep a written record of all complaints received concerning the impact of emissions from the premises for a minimum of 3 years, which shall include but not be limited to:

(a) date and time both of the complaint and of any environmental impact reported by the complainant;

(b) a unique registration number;

(c) location of the alleged impact; (does not identify individuals)

(d) general description of the nature of any environmental impact reported by the complainant to which the complaint relates;

(e) whether the complainant reported any adverse health effects;

(f) wind direction, wind speed and air temperature at the time of the complaint;

(g) the likely source(s) of the cause of the complaint;

(h) action taken in response to the complaint including results of any investigation(s) and action(s) taken to prevent a recurrence of the events giving rise to the complaint; and

(i) time taken to respond to the complaint.

38. Following receipt of a complaint concerning the impact of emissions from the premises:

(a) within 72 hours of receipt of the complaint, the Licence Holder must respond to the complainant; and

(b) within 10 days of receipt of the complaint, the Licence Holder must provide feedback to the complainant, including but not limited to, investigation outcomes and action(s) taken (if any are appropriate) in relation to the complaint, unless such feedback is not requested by the complainant as a result of the response under part (a) of this condition.

39. The Licence Holder must publish on a Resource Recovery Group website accessible to the public, by 5 p.m. of the first Wednesday of each month, a weekly summary of the information contained in the complaints register required by condition 37 for the preceding month ending on the first Tuesday of each month excluding the names and addresses of complainants.

40. The Licence Holder must record the total amount of putrescible waste (FOGO and general Municipal Solid Waste) in tonnes that is being stored within the aeration building at the end of each month.

41. The Licence Holder must:

(a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and

(b) prepare and submit to the CEO by no later than 60 days after the end of that annual period an Annual Audit Compliance Report in the approved form.

42. For the reporting period, the Licence Holder must provide to the CEO by **28 July** each year, an Annual Environmental Report (AER) containing data collected over the previous year, starting from **1 July** to **30 June** the following year.

43. The AER referred to in condition 42 must contain but not be limited to:

(a) monitoring data or other collected data required by any condition of this licence;

(b) an explanation of the monitoring results with respect to the environmental impacts of any discharges into the environment;

(c) a comparison of the monitoring results with monitoring results of previous years including an assessment of the data against any limits or targets set in this licence or other environmental guidelines or policies and data from previous years' monitoring;

(d) identifying any data exceeding any limits, targets, guidelines or policies and provide information on why the exceedance occurred (if known) and action taken by the licensee to prevent recurrence of such exceedances;

(e) the number and type of complaints received including the date of the complaint, the nature of complaint (where appropriate cross referenced with prevailing wind directions) and action(s) taken;

(f) any on-site or off-site pollution impacts arising from activities within the Premises;

(g) measures taken to control pests and vermin;

(h) measures taken to control windblown waste;

(i) the total amount of compost removed from the premises over the year;

(j) the throughput of waste per source and per type over the year;

(k) measures taken to further control odour emissions from the Premises;

(l) any issues raised by the Department of Water and Environmental Regulation (e.g. arising from inspections) during the reporting period should also be summarised together with details on how these have been addressed or rectified or, if the required work has yet to be completed, how and when they will be rectified or completed;

(m) any odour monitoring assessments undertaken to determine the performance and efficiency of the Pollution Control Devices used to control and mitigate odour emissions from the operations;

(n) details of any monitoring methods used to collect and analyse data required by any condition of this licence and information demonstrating that they comply with the methods specified in this licence, and

(o) provide a summary of all incidents involving discharges of chemicals or environmentally hazardous materials within and from the Premises.

(p) provide the inlet fan speed of the biofilters during monitoring in accordance with Condition 15(b)(ii).

# Schedule 1: Maps

## Premises map

The boundary of the prescribed premises is shown in the map below.


**Figure 1: Premises Boundary (refer to Table 7 and Figure 4 for excluded portions)**

The coordinates in Table 7 are excluded from the premises boundary. Refer also to Figure 4.

**Table 7: Excluded premises boundary coordinates (GDA2020)**

| | Easting | Northing | Zone |
|---|---|---|---|
| 1. | 395197.71981 | 6450688.46007 | 50 |
| 2. | 395205.23646 | 6450691.86337 | 50 |
| 3. | 395210.05843 | 6450681.93518 | 50 |
| 4. | 395263.61893 | 6450705.76785 | 50 |
| 5. | 395286.78461 | 6450656.11703 | 50 |
| 6. | 395232.67579 | 6450632.98983 | 50 |
| 7. | 395245.79097 | 6450603.58897 | 50 |
| 8. | 395237.34193 | 6450599.06745 | 50 |

**Figure 2: Combined Premises Boundary (Outlined in Red)**


**Figure 3: Plan of Premises including Product Storage Shed**

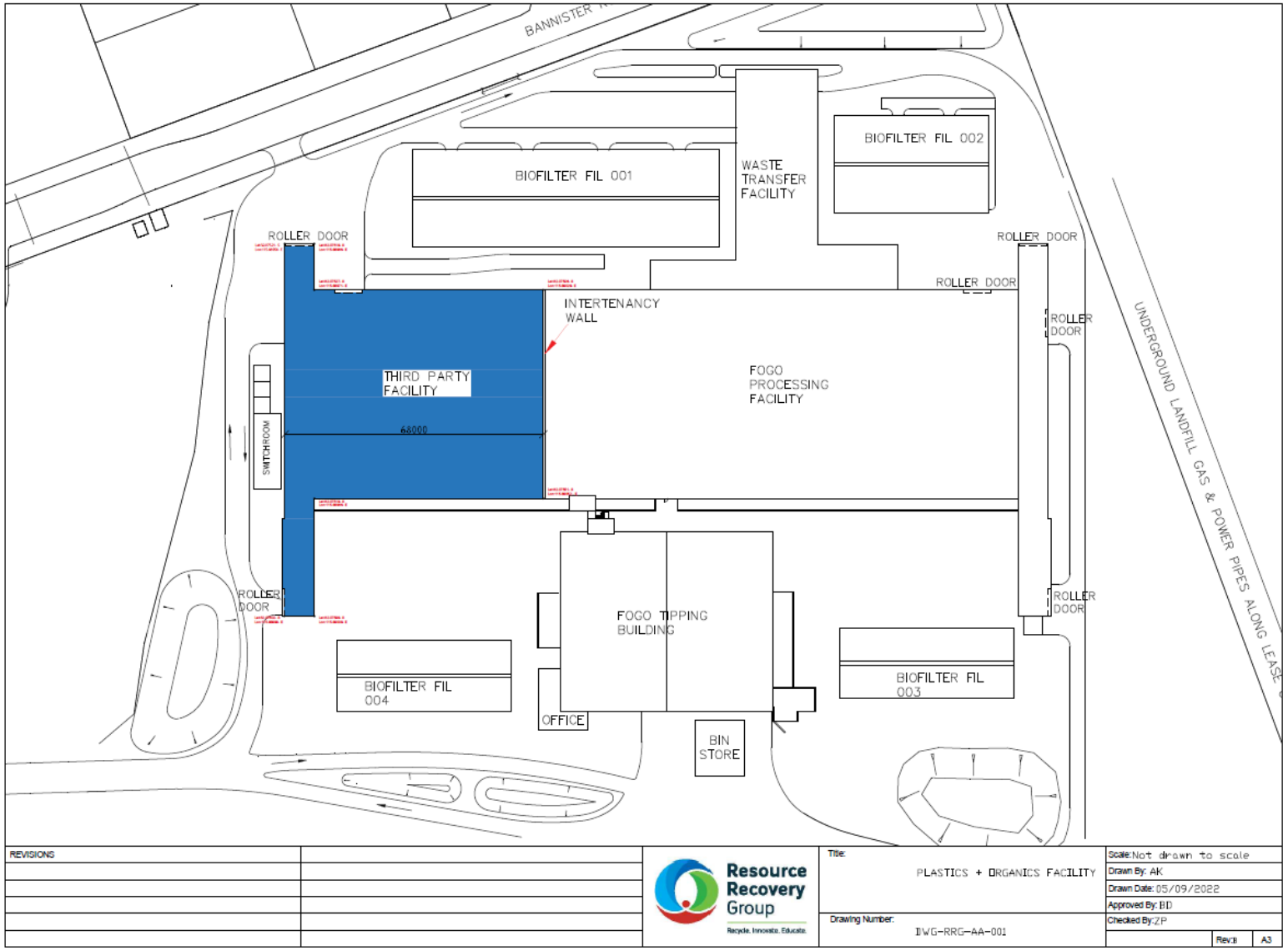


**Figure 4: Excluded portion of the prescribed premises**