



<b>Works approval number</b>	W6539/2021/1
<b>Works approval holder</b>	Suez Recycling & Recovery (Perth) Pty Ltd
<b>ACN</b>	118 828 872
<b>Registered business address</b>	Level 3, 3 Rider Boulevard RHODES NSW 2138
<b>DWER file number</b>	DER2021/000095
<b>Duration</b>	24/11/2021 to 23/11/2024
<b>Date of issue</b>	24/11/2021
<b>Premises details</b>	Bibra Lake Recycling and Recovery Park 65 Howson Way BIBRA LAKE WA 6163 Legal description Lot 27 on Plan 3699 Certificate of Title Volume 1168 Folio 380 As defined by the map in Schedule 1

<b>Prescribed premises category description</b> (Schedule 1, <i>Environmental Protection Regulations 1987</i> )	<b>Assessed production capacity</b>
Category 62 Solid waste depot: premises on which waste is sorted or stored, pending final disposal or re-use, other than in the course of operating – (a) A refund point (as defined in the Waste Avoidance and Resource Recovery Act 2007 section 47C(1))(a refund point); or (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.	320,000 tonnes per annual period (50,000 tonnes per annual period of FOGO material)

This works approval is granted to the works approval holder, subject to the attached conditions, on 24 November 2021, by:

**MANAGER WASTE INDUSTRIES  
REGULATORY SERVICES**

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

## Interpretation

In this works approval:

- (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 works approval:
  - (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 works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

# Works approval conditions

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

## Construction phase

### Infrastructure and equipment

1. The works approval holder must:
  - (a) construct and/or install the infrastructure and/or equipment;
  - (b) in accordance with the corresponding design and construction / installation requirements; and
  - (c) at the corresponding infrastructure location; and
  - (d) within the corresponding timeframe,as set out in Table 1.

**Table 1: Design and construction / installation requirements**

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Building extension	To be approximately 44 m long, 32 m wide and 11 m high and be tied-in to the existing waste transfer building. To contain: <ul style="list-style-type: none"><li>• Tilt up internal concrete walls</li><li>• Four 5m x 5 m rapid opening/closing doors (one being a replacement of an existing roller door)</li><li>• Graded floor and associated sealed wash down waste collection sumps</li><li>• Translucent sheeting and eight whirly bird ventilators within the roof structure</li></ul>	Proposed FOGO Building as depicted in Figures 2, 3 and 4 of Schedule 1.
2.	Fire protection within the building extension	To consist of: <ul style="list-style-type: none"><li>• Fire detectors in the roof;</li><li>• Sprinkler system in the roof;</li><li>• Fire hose reel; and</li><li>• Fire hydrants</li></ul>	
3.	Existing waste transfer building	Replacing two eastern roller doors in the existing waste transfer station with rapid opening and closing doors.	As depicted in Figure 2 of Schedule 1.

### Compliance reporting

2. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed and/or installed:
  - (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 civil or structural engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed 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 works approval holder and contains the printed name and position of that person.

## Time limited operations phase

### Commencement and duration

4. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1 where the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that item of infrastructure.
5. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 6 (as applicable):
  - (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 4 for that item of infrastructure; or
  - (b) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, and only where this occurs prior to 90 calendar days from the day the works approval holder meets the requirements of condition 11 for that item of infrastructure.

### Infrastructure and equipment

6. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 2 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 2.

**Table 2: Infrastructure and equipment requirements during time limited operations**

	Site infrastructure and equipment	Operational requirement	Infrastructure location
1.	Building extension	<p>FOGO waste to only be stored and sorted within the building extension.</p> <p>FOGO waste to be received on-site in sealed, compactor vehicles.</p> <p>Transfer vehicles removing FOGO to be covered prior to exiting the extension.</p> <p>No more than one building door open at a time.</p> <p>FOGO waste to be removed as soon as possible, within 24 hours or 48 hours in the event of a public holiday.</p>	Proposed FOGO Building as depicted in Figures 2, 3 and 4 of Schedule 1.

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		<p>Regular washing down of the tipping floor to remove organic waste build-up on the concrete floor.</p> <p>Operations to only occur between 6:00 am - 5:00 pm on weekdays and 6:00 am - 1 pm on Saturdays.</p>	

## Waste acceptance

7. The works approval holder must only accept onto the premises waste of a type that:
- (a) does not exceed the rate at which that waste is received; and
  - (b) meets the relevant acceptance specification,
- as set out in Table 3.

**Table 3: Waste acceptance criteria**

Waste type	Rate at which waste is received	Acceptance specification
Food organics and garden organics (FOGO)	15,000 tonnes during time limited operations	Accepted from municipal kerbside collections and commercial sources only.

## Monitoring during time limited operations

8. The works approval holder must record the total amount of waste accepted onto the premises, for each waste type listed in Table 4, in the corresponding unit, and for each corresponding time period, as set out in Table 4.

**Table 4: Waste accepted onto the premises**

Waste type	Unit	Time period
Food organics and garden organics (FOGO)	tonnes	During time limited operations

## Odour monitoring

9. The works approval holder must retain the services of a suitably qualified person to:
- (a) Plan and implement a minimum of three odour field assessments (OFAs) which follow the plume measurement methodology as specified in the DWER *Guideline: Odour Emissions* and the *European Standard EN 16841-2 (plume method)*. OFAs are to be undertaken:
    - (i) with the prime objective of characterising odour plume extents in the directions of receptors which are most likely to be impacted by odour;
    - (ii) during meteorological and operational conditions most likely to cause impacts at these receptors;

- (iii) over the time limited operations period, with each OFA conducted at least 2 weeks apart; and
  - (b) compile and submit to the works approval holder within six weeks of completion of the final OFA field campaign, an OFA report in accordance with condition 10.
- 10.** An OFA report prepared pursuant to condition 9 is to include:
  - (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 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.

## Compliance reporting

- 11.** The works approval holder must submit to the CEO a report on the time limited operations within 60 calendar days of the completion date of time limited operations or 60 calendar days before the expiration date of the works approval, whichever is the sooner.
- 12.** The works approval holder must ensure the report required by condition 11 includes the following:
  - (a) a summary of the time limited operations;
  - (b) a summary of waste acceptance volumes under condition 8;

- (c) the OFA report as specified in condition 10;
- (d) a summary of the environmental performance of all infrastructure as constructed or installed;
- (e) a review of performance and compliance against the conditions of the works approval; and
- (f) where the manufacturer's design specifications and the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures.

## Records and reporting (general)

- 13.** The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
  - (a) the name and contact details of the complainant, (if provided);
  - (b) the time and date of the complaint;
  - (c) the complete details of the complaint and any other concerns or other issues raised; and
  - (d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.
- 14.** The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:
  - (a) the works conducted in accordance with condition 1;
  - (b) complaints received under condition 13.
- 15.** The books specified under condition 14 must:
  - (a) be legible;
  - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
  - (c) be retained by the works approval holder for the duration of the works approval; and
  - (d) be available to be produced to an inspector or the CEO as required.

## Definitions

In this works approval, the terms in Table 5 have the meanings defined.

**Table 5: Definitions**

Term	Definition
annual period	a 12-month period commencing from 1 January until 31 December of the immediately following year.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V Division 3 of the EP Act.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986 (WA)</i> .
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i> .
FOGO	means food organics and garden organics waste collected from kerbside municipal collections
Odour intensity	means the relative perceived strength of an odour. Intensity descriptor scales should be applied according to the German standards for the determination of odour intensity under field conditions (VDI 3940-3).
Odour operator	means a person who directly coordinates and instructs odour panellists in the field and is independent of the works approval holder
Odour panellist	means a person who is qualified to perform field inspections as described in EN 16841-2 and is independent of the works approval holder
OFA	odour field assessment as described in the <i>Guideline: Odour Emissions</i>



Term	Definition
premises	the premises to which this works approval applies, as specified at the front of this works approval and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
suitably qualified civil or structural engineer	means a person who: (a) holds a Bachelor of Engineering recognised by the Institute of Engineers; and (b) has a minimum of five years of experience working in a supervisory area of civil or structural engineering; and (c) is employed by an independent third party external to the works approval holder's business; or is otherwise approved in writing by the CEO to act in this capacity
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

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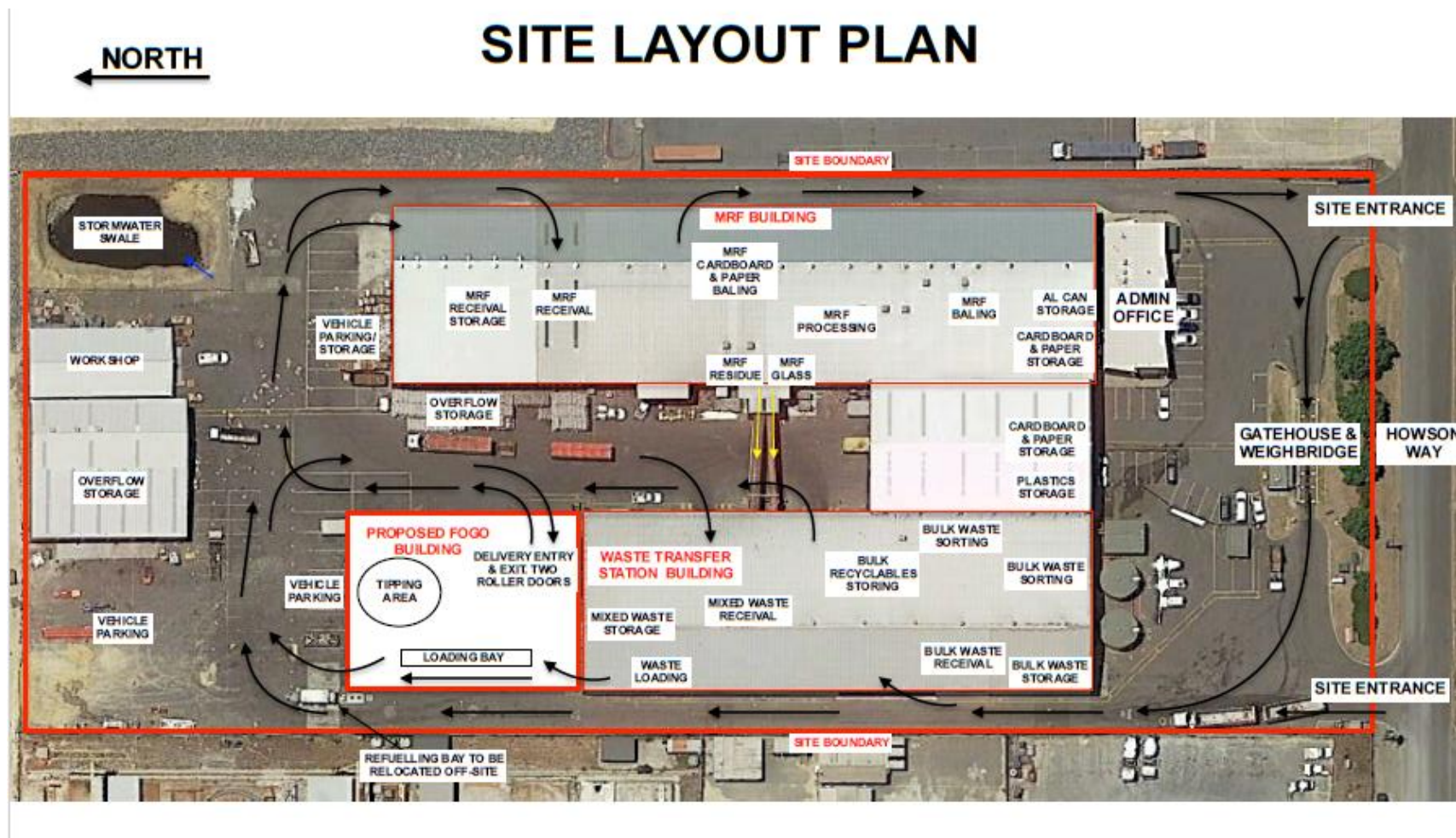
**END OF CONDITIONS**

# Schedule 1: Maps

## Premises map



Figure 1: Map of the boundary of the prescribed premises



**Figure 2: Site Layout Plan**



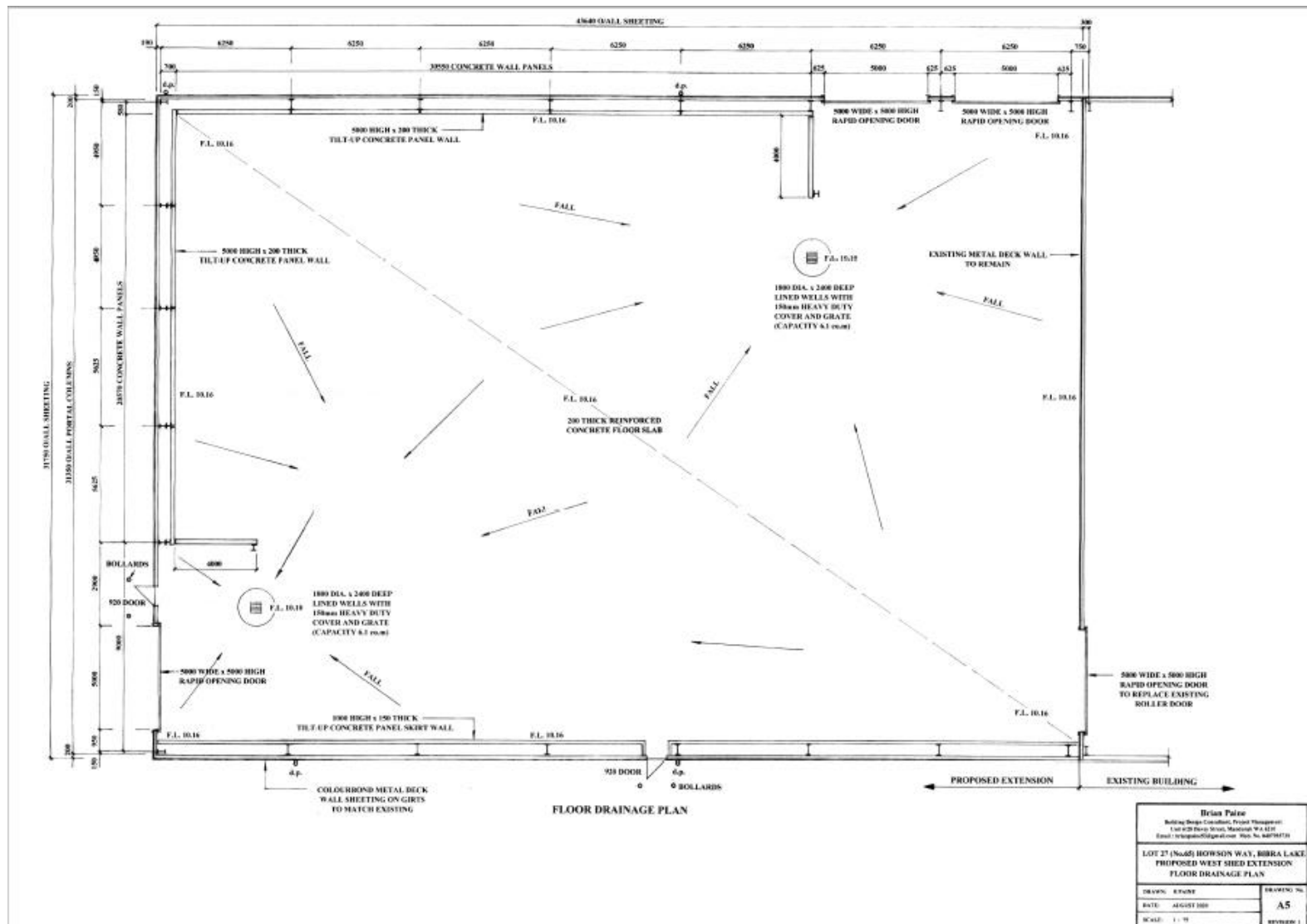


Figure 3: Floor Drainage Plan

