



Works Approval

Works approval number	W6914/2024/1	
Works approval holder	Western Resource Recovery Pty Ltd	
ACN	099 144 180	
Registered business address	Level 4, Bay Centre 65 Pirrama Road PYRMONT NSW 2009	
DWER file number	DER2024/000138	
Duration	06/06/2024 to	06/06/2029
Date of issue	06/06/2024	
Premises details	Western Resource Recovery 113 Ewing Street WELSHPOOL WA 6106 Legal description - Lot 278 on Plan 3033 As defined by the premises map in Schedule 1	

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 61: Liquid waste facility: premises on which liquid waste produced on other premises (other than sewage waste) is stored, reprocessed, treated, or irrigated.	100,000 tonnes per annual period
Category 62: Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	550 tonnes per annual period

This works approval is granted to the works approval holder, subject to the attached conditions, on 6 June 2024, by:

Grace Heydon

A/MANAGER WASTE INDUSTRIES _ REGULATORY SERVICES

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

Works approval history

Date	Reference number	Summary of changes
06/06/2024	W6914/2024/1	PFAS Processing Facility, Fixation Pit and upgraded Dangerous Goods Area.

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;
 as set out in Table 1.

Table 1: Design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	PFAS Process Facility	Containerised PFAS Process Facility is: <ol style="list-style-type: none"> a) Located within an existing bunded area. b) Designed to operate at 5kL/hr treatment rate and 15kL/hr backwash flow rate through: <ol style="list-style-type: none"> (i) 1 x Media Turbidex Filter; (ii) 3 x Granular Activated Carbon Filters; (iii) 2 x Ion Exchange Filters; (iv) Associated Pumps, values and piping. c) Treated PFAS waste is to be directed to either: <ol style="list-style-type: none"> (i) 3 x 35kL Storage tanks for storage prior to disposal off-premises; or (ii) Discharged to Water Corporation Sewer. 	Schedule 1 Premises layout map.
2.	Fixation Pit	Fixation Pit to be constructed in concrete with the following dimensions: <ol style="list-style-type: none"> a) 5.5m x 5.5m x 1.4m; and b) 400mm freeboard. 	Schedule 1 Premises layout map.
3.	Dangerous Goods Storage Area	<ol style="list-style-type: none"> a) Dangerous Goods Storage Area to include installation of a concrete foundation to provide a level floor. b) Provide 60kL of containerised storage with container volumes: <ol style="list-style-type: none"> (i) 2 x 6m³ (ii) 1 x 8m³; and (iii) 4 x 10m³ 	Schedule 1 Premises layout map.

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 civil 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.

Records and reporting (general)

4. 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.
5. 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) any maintenance of infrastructure that is performed in the course of complying with condition 1; and
 - (c) complaints received under condition 4.
6. The books specified under condition 5 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 2 have the meanings defined.

Table 2: Definitions

Term	Definition
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 info@dwer.wa.gov.au
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</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA).
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
PFAS	Perfluoroalkyl and polyfluoroalkyl substances.
waste	has the same meaning given to that term under the EP Act.
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.

END OF CONDITIONS

Schedule 1: Maps

Premises map

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



W6914/2024/1

IR-T05 Works approval template (v6.0) (September 2022)

Premises layout map

Layout plan depicting new PFAS Processing Facility (green), Fixation Pit (purple), Dangerous Goods Storage Area (yellow) and Trench (blue).



W6914/2024/1

IR-T05 Works approval template (v6.0) (September 2022)