



<b>Licence number</b>	L5973/1992/12
<b>Licence holder</b>	Water Corporation
<b>Registered business address</b>	629 Newcastle Street Leederville WA 6007
<b>DWER file number</b>	2010/002285-1
<b>Duration</b>	01/11/2023 to 31/10/2043
<b>Date of issue</b>	31/10/2023
<b>Date of amendment</b>	22/12/2023
<b>Premises details</b>	Pinjarra Water Resource Recovery Facility Adelaide Road, Oakley WA 6324 Legal description - Lot 19 on Diagram 44739 Certificate of Title Volume 1355 Folio 624

<b>Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)</b>	<b>Assessed production / design capacity</b>
Category 54 Sewage facility: premises — (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.	1840 cubic metres per day

This amendment to the licence is granted to the licence holder, subject to the attached conditions, on 22 December 2023, by:

Senior Environmental Officer, Industry Regulation  
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

## Licence history

Date	Reference number	Summary of changes
16 October 2015	L5973/1992/11	Licence reissue
16 May 2022	L5973/1992/11	Change to reporting requirements specified in notice of amendment dated 16 May 2022.
31 October 2023	L5973/1992/12	Licence renewal.
22 December 2023	L5973/1992/12	CEO initiated amendment (administrative amendment to correct an error)

## 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.

## Licence conditions

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

### Infrastructure and equipment

1. 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 requirement set out in Table 1.

**Table 1: Infrastructure and equipment requirements**

Site infrastructure and equipment	Operational requirement	Infrastructure location
Wastewater treatment ponds	Prevent surface discharge of wastewater.  Minimal vegetation (emergent or otherwise) growth in the pond wastewaters and the inner pond embankments.	As shown in the premises map – Schedule 1, Figure 1

2. The licence holder must:
  - (a) Inform the CEO no less than 24 hours prior to taking any equipment offline for maintenance works, that may result in an increase in odour emissions from the premises;
  - (b) Inform the CEO no less than 24 hours prior to taking a treatment pond offline for maintenance works;
  - (c) inform the CEO no less than 14 days prior to the removal of sewage sludge from any on-site treatment pond;
  - (d) where sewage sludge is temporarily stored on-site, direct sewage sludge to a low permeability ( $10^{-9}$  metres per second or less) surface drying bed which:
    - i) is adequately bunded to prevent surface runoff of leachate or sludge from crossing the boundary of the premises;
    - ii) returns sludge leachate from the storage area back to the treatment ponds.

### Emissions and discharges

3. The licence holder must ensure that the emissions specified in Table 2, are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

**Table 2: Authorised discharge point**

Emission	Discharge point	Discharge point location
Treated wastewater	Final effluent pump station (to Alcoa process pond)	As shown in Schedule 1, Figure 1

## Monitoring

4. The licence holder must operate and maintain a suitable device for measuring the volume of treated wastewater discharged from the wastewater treatment ponds to the Alcoa process runoff pond.
5. The licence holder must monitor treated wastewater discharge in accordance with the requirements specified in Table 3 and record the results of all such monitoring.

**Table 3: Treated wastewater discharge monitoring**

Discharge point	Monitoring location	Parameter	Unit	Frequency	Averaging period
Discharge point (final effluent pump station to Alcoa process pond) as shown in Figure 1	Final effluent sampling point M1 as shown in Figure 1	Volumetric flow rate (cumulative)	m <sup>3</sup> /day	Continuous	Monthly
		pH <sup>1</sup>	-	Monthly	Spot sample
		Total suspended solids	mg/L		
		Total dissolved solids	mg/L		
		Biochemical oxygen demand	mg/L		
		Total phosphorus	mg/L		
		Total nitrogen	mg/L		
		Oxidised nitrogen (nitrate + nitrite – nitrogen)	mg/L		
		Ammonium-nitrogen	mg/L		

Note 1 – for pH, in-field non-NATA accredited analysis permitted.

6. In the event of a discharge as described in Condition 9, the licence holder must monitor the discharge in accordance with the requirements specified in Table 4 and record the results of all such monitoring.

**Table 4: Monitoring of specified discharge**

Monitoring location	Parameter	Unit	Frequency	Averaging period
100 metres and 500 metres downstream of the discharge point	Biochemical oxygen demand	mg/L	Weekly – whilst the discharge is occurring	Spot sample
	Total phosphorus	mg/L		
	Total nitrogen	mg/L		
	Escherichia coli	Cfu/100ml		

7. The licence holder must ensure that all water monitoring is conducted in accordance with AS/NZS 5667.1, AS/NZS 5667.10 and AS/NZS 2031.
8. The licence holder must ensure that all sample analysis undertaken pursuant to conditions 5 and 6 is undertaken by laboratories with current NATA accreditation for the relevant parameters being measured, unless otherwise specified in Table 3.

## Records and reporting

9. The licence holder must advise the CEO as soon as practicable of any failure of the treated wastewater pump station which has resulted in a surface discharge of treated wastewater from the premises.
10. The licence holder must record the following information in relation to complaints received by the licence 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 licence holder to investigate or respond to any complaint.
11. The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
  - (a) the calculation of fees payable in respect of this licence;
  - (b) any maintenance of infrastructure that is performed in the course of complying with conditions 1, 2 and 4 of this licence;
  - (c) monitoring programmes undertaken in accordance with conditions 4 to 8 of this licence; and
  - (d) complaints received under condition 10 of this licence.
12. The books specified under condition 11 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 licence holder for the duration of the licence; and
  - (d) be available to be produced to an inspector or the CEO as required.
13. 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 1 October annually an Annual Audit Compliance Report in the approved form.
14. The licence holder must submit to the CEO by 1 October every two years, a Biennial Environmental Report for the two preceding annual periods, for the conditions listed in Table 5, and which provides information in accordance with the corresponding requirement(s) set out in Table 5.

**Table 5: Biennial Environmental Report**

Condition	Requirement
N/A	Summary of any discharge of waste which occurs as a result of an emergency, accident or malfunction of any pollution control equipment or which is not authorised by the licence and any action taken.
Condition 5 and 6	Monitoring data presented in table and graphical format.
Condition 6	An explanation of the monitoring results with respect to the environmental impacts of the emissions and discharges from the premises.
Condition 10	Summary of complaints and any action taken by the licence holder.

## Definitions

In this licence, the terms in Table 6 have the meanings defined.

**Table 6: Definitions**

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates are available on the Department's website).
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year.
AS/NZS 2031	means the Australian Standard AS/NZS 2031 <i>Selection of containers and preservation of water samples for microbiological analysis</i>
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 <i>Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples</i>
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 <i>Water Quality – Sampling – Guidance on sampling of waste waters</i>
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Cfu	Colony forming units

Term	Definition
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
NATA	means the (Australian) National Association of Testing Authorities
premises	refers to 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 licence.

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**END OF CONDITIONS**

## Schedule 1: Maps

### Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).



Figure 1: Map of the boundary of the prescribed premises