



Licence number	L9274/2020/1
Licence holder	Water Corporation
ACN	28 033 434 917
Registered business address	629 Newcastle Street LEEDERVILLE WA 6007
DWER file number	DER2020/000627
Duration	05/02/2021 to 04/02/2041
Date of issue	05/02/2021
Premises details	Bremer Bay Wastewater Treatment Plant Reserve 40004 Franton Way BREMER BAY WA 6338 As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
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.	230 cubic metres per day

This licence is granted to the licence holder, subject to the attached conditions, on 5 February 2021, by:

Stephen Checker
Manager, Waste Industries

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

Licence history

Date	Reference number	Summary of changes
5/02/2021	L9274/2020/1	Issue of replacement licence

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:

Emissions and discharges

Odour emissions

1. The licence holder shall 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.

Discharge to water

2. The licence holder shall manage the wastewater treatment ponds in a manner such that:
 - (a) stormwater runoff resulting from site or roof drainage shall be prevented from entering the wastewater treatment plant or causing the erosion of outer pond embankments;
 - (b) there is no discernible seepage loss from the ponds;
 - (c) overtopping of the ponds does not occur;
 - (d) vegetation and floating debris (emergent or otherwise) is prevented from encroaching onto pond surfaces or inner pond embankments; and
 - (e) trapped overflows shall be maintained on the discharge from all wastewater treatment ponds to prevent carry-over of surface floating matter to subsequent ponds.

Waste minimisation / removal / storage

3. The licence holder shall dispose of collected vegetation and floating debris from the treatment ponds to a premises licensed or registered under Part V of The Act to accept the material.
4. The licence holder shall:
 - (a) inform the CEO prior to taking a treatment pond offline for maintenance works;
 - (b) inform the CEO no less than 14 days prior to the removal of sewage sludge from a storage pond;
 - (c) where sewage sludge is temporarily stored on-site, direct sewage sludge to a hard-stand area or approved 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.
5. The licence holder shall dispose of sludge and biosolids in accordance with the document *Western Australian guidelines for biosolids management* (Department of Environment and Conservation 2012)

Monitoring

6. The licence holder shall maintain a suitable device for measuring monthly cumulative volumes of treated wastewater being discharged from the final treatment pond to the infiltration lagoons through the Outlet Sampling Point. The monthly flow results shall be presented in the next Annual Environmental Report in a tabular form.

7. The licence holder shall, at the frequency stated in Column 3 of Table 1, take and have analysed representative samples of the parameters in Column 2 of Table 1 in accordance with the methods in Column 4 of Table 1, from the monitoring sites stated in Column 1 of Table 1

Table 1: Monitoring Program

Column 1	Column 2	Column 3	Column 4
Monitoring site (as shown on Attachment 2)	Parameters to be measured	Sampling frequency	Methods
Monitoring Bores 1/09, 2/09/3/09 and 4/09	pH ¹ , Total Dissolved Solids, Total Nitrogen, Ammonium-nitrogen, Nitrate + Nitrite – Nitrogen, Total Phosphorus, Standing Water Levels (in metres AHD)	6-monthly	The relevant parts of Australian Standard 5667; and
Outlet Sampling Point	pH ¹ , Total Suspended Solids, Total Dissolved Solids, Biochemical Oxygen Demand, Total Nitrogen, Ammonium-nitrogen, Nitrate + Nitrite – Nitrogen, Total Phosphorus	3-monthly	“Standard Methods for Examination of Water and Wastewater,” APHA-AWWA-WEF

With the exception of pH and Standing Water Levels, all measurements are to be reported in mg/L.

Note 1: In field non-NATA accredited analysis permitted

8. The licence holder shall ensure all water samples are analysed in a laboratory holding NATA accreditation for the analyses specified in condition 7.
9. The licence holder shall, using flow-weighted data and data collected in accordance with conditions 6 and 7, determine the load of the parameters specified in Column 1 of Table 2, in the units stated in Column 3 of Table 2, at the frequency stated in Column 2 of Table 2, from wastewater discharged through the Outlet Sampling Point.

Table 2: Calculation of Contaminant Load

Column 1	Column 2	Column 3
Parameters	Calculation Frequency	Units
Total Dissolved Solids, Biochemical Oxygen Demand, Total Nitrogen, Total Phosphorus	Monthly and Annual Loads	kilograms per day

Records and reporting

10. The licence holder must submit to the CEO by no later than 63 days after the end of the annual period (1 July the previous year and ending on 30 June in that year), and Annual Environmental Report for that annual period. The report shall contain:
- monitoring data or other collected data required by any condition of this licence;
 - monthly and annual loads of contaminants in accordance with Table 2;
 - an explanation of the monitoring results with respect to the environmental impacts of the project, by comparison with past monitoring data collected over the previous three years, and known relevant Australian Standards and guidelines;

- (d) any exceedance of 30 mg/L Biochemical Oxygen Demand detected in treated wastewater discharged to the infiltration ponds, including an explanation of the expected reasons for this exceedance and the likely environmental impact/s;
- (e) the number and type of complaints received including the date of complaint, nature of complaint (where appropriate cross referenced with prevailing wind directions) and action/s taken;
- (f) any issues raised from inspections or incident responses during the reporting period together with details as to how these have been addressed or, if the required work has yet to be completed, how and when they will be completed; and
- (g) any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution.

11. The licence holder must:

- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period (1 July the previous year and ending on 30 June in that year); and
- (b) prepare and submit to the CEO by no later than 63 days after the end of that annual period an Annual Audit Compliance Report in the approved form.

Definitions

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

Table 3: 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 may be available on the Department's website).
annual period	a 12 month period commencing from 1 July the previous year and ending on 30 June in that year.
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: info@dwer.wa.gov.au
audit	An assessment by the licence holder of its performance against each licence condition to determine whether it is compliant.
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.
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.
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 National Association of Testing Authorities, Australia
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 (Figure 1) in

Term	Definition
	Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
sludge	means the accumulated semisolid material from waste deposited in the wastewater treatment ponds.
Standard Methods for Examination of Water and Wastewater	means the most recent edition of the “Standard Methods for Examination of Water and Wastewater” as published by the American Public Health Association (APHA), the American Water Works Association (AWWA) and the Water Environment Federation (WEF), generally abbreviated to APHA-AWWA-WEF.
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises maps

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



Figure 1: Map of the boundary of the prescribed premises

L9274/2020/1 (05/02/2021)

IR-T06 Licence template (v7.0) (February 2020)

Monitoring bore locations (red) and outlet sampling points are shown in the map below (Figure 1).



Figure 2: Map of monitoring bore locations and outlet sampling points

Schedule 2: Premises boundary

The premises boundary is defined by the coordinates in Table 1.

Table 1: Premises boundary coordinates (GDA94)

Corresponding number in Figure 1	Easting	Northing	Zone
0	719377	6190683	50
1	718921	6190492	50
2	718961	6190598	50
3	718869	6190800	50
4	719042	6190878	50
5	719193	6190194	50
6	718732	6190368	50