



Licence number	L7427/1998/8
Licence holder	Water Corporation
ACN	634 169 841
Registered business address	John Tonkin Water Centre 629 Newcastle St Leederville WA 6007
DWER file number	2010/009218-1
Duration	01/11/2013 to 31/10/2033
Date of issue	24 October 2013
Date of amendment	26 June 2023
Premises details	Dunsborough Water Resource Recovery Facility Lot 150 on Diagram 100538 Anniebrook Road ANNIEBROOK WA 6280

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / 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.	No more than 2,000 m ³ per day
Category 61: Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	10,000 tonnes per year

This licence is granted to the licence holder, subject to the attached conditions, on 26 June 2023, by:

Sarah Cross

**A/SENIOR ENVIRONMENTAL OFFICER
INDUSTRY REGULATION**

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

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Licence history

Date	Reference number	Summary of changes
17/05/2000	L7427/1998/1	Licence granted
12/06/2001	L7427/1998/2	Licence renewal
29/09/2002	L7427/1998/3	Licence renewal
29/09/2003	L7427/1998/4	Licence renewal
29/09/2004	L7427/1998/5	Licence renewal
01/11/2007	L7427/1998/6	Licence renewal
01/11/2010	L7427/1998/7	Licence renewal
01/11/2013	L7427/1998/8	Licence renewal
26/04/2016	L7427/1998/8	Notice of Amendment of Licence expiry dates.
26/06/2023	L7427/1998/8	Amendment to alter the due date for the environmental report and annual audit compliance report, to be 1 October annually and to alter the premises name.

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:

Maintenance of wastewater treatment plant

1. The licence holder must manage the wastewater treatment plant in a manner such as:
 - (a) uncontaminated stormwater runoff resulting from roof and site drainage shall be prevented from entering the wastewater treatment stream;
 - (b) overtopping of the IDEA wastewater treatment plant, storage dam or sludge lagoons shall not occur;
 - (c) there is no seepage loss from the IDEA wastewater treatment plant, storage dam or sludge lagoons;
 - (d) floating debris and vegetation (emergent or otherwise) is removed and prevented from growing in the IDEA plant wastewaters or within the storage dam and sludge lagoons;
 - (e) treated wastewater from the IDEA wastewater treatment plant is discharged to the storage dam;
 - (f) during the irrigation season, treated wastewater from the storage dam is irrigated over the onsite treelot, and
 - (g) treated wastewater not able to be irrigated is stored in the storage dam or is disinfected prior to discharge to Station Gully Drain.

Monitoring

Flow monitoring device

2. The licence holder must operate an accurate metering device for measuring the cumulative volume of treated wastewater discharged from the discharge points listed in Table 1.

Table 1: Discharge points from Dunsborough WRRF

Reference	Discharge point	Parameter	Frequency
DP1	Storage dam to the irrigation area	Volume flow rate in m ³ (cumulative)	Monthly
DP2	Storage dam into the station Gully Drain		
DP3	Irrigation area into the Station Gully Drain		

3. The licence holder must maintain monitoring bores designated MB1 to MB13, at the locations depicted in Schedule 1, in a condition that will allow representative water samples to be collected in accordance with the relevant parts of AS/NZS 5667.
4. The licence holder must, at the frequencies stated in Table 2, take and have analysed representative water samples for the parameters listed in Table 2, from the corresponding monitoring site listed in Table 2.

Table 2: WRRF Monitoring Requirements

Monitoring site	Parameter	Units	Frequency
Discharge points of DP1, DP2 and DP3 (as listed in Table 1)	pH	None specified	Monthly
	Total dissolved solid	mg/L	
	Total suspended solids		
	Total nitrogen		
	Ammonium- nitrogen		
	Nitrate+ Nitrate -Nitrogen		
	Total Phosphorous		
	5-day biochemical oxygen demand		
	<i>E. coli</i>	cfu/100 mL	
Station Gully drain-sampling points SG02,SG06, SG07,SG08, SG09, SG11 (as depicted in Schedule 1)	pH	None specified	Monthly (while discharging)
	Total dissolved solid	mg/L	
	Total suspended solids		
	Total nitrogen		
	Ammonium- nitrogen		
	Nitrate+ Nitrate -Nitrogen		
	Total Phosphorous		
	5-day biochemical oxygen demand		
	<i>E. coli</i>	cfu/100 mL	
MB1, MB2, MB3, MB4, MB5, MB6, MB7, MB8, MB9, MB10, MB12 and MB13 (as depicted in Schedule 2)	Standing water level	mBGL and m(AHD)	Quarterly
	pH	None specified	
	Total dissolved solids	mg/L	
	Total nitrogen		
	Ammonium- nitrogen		
	Nitrate + Nitrite-Nitrogen		
	Total Phosphorous		

5. The licence holder must ensure that all water samples are collected, handled and preserved in accordance with the relevant parts of AS/NZS 5667.
6. The licence holder must ensure that all water samples are analysed in accordance with the current "Standard Methods for Examination of Water and Wastewater," APHA-AWWA-WEF.
7. The licence holder must ensure all water samples are analysed in a laboratory holding NATA accreditation for the analyses specified in condition 5M.

Irrigation discharge criteria

8. The licence holder must ensure the nutrient loading rate on the on-site irrigation area does not exceed the specifications in Table 3.

Table 3: Irrigation discharge criteria

Parameter	Loading limit
Nitrogen	150kg/ha/year
Phosphorous	30kg/ha/year
5-day Biochemical oxygen demand	30kg/ha/year

9. The licence holder must, using the data collected in accordance with conditions 4, 5, 6 and 7, determine the monthly load of the following parameters in wastewater discharged from the premises:
 - (a) Total Dissolved Solids;
 - (b) Total Suspended Solids;
 - (c) 5-Day Biochemical Oxygen Demand;
 - (d) Total Nitrogen; and
 - (e) Total Phosphorus.

All measurements are to be reported in kilograms per day (kg/day).

Bunding and containment

10. The licence holder must store environmentally hazardous chemicals including alum and hypochlorite (where the total volume of each substance stored on the premises exceeds 250 litres) in accordance with AS 3780.

Sludge management and disposal

11. The licence holder must dispose of collected grit and screenings from the inlet works to a licensed landfill.
12. The licence holder must handle sewage sludge (biosolids) in the following manner:
 - (a) store sludge from the treatment plant within clay or synthetically lined storage ponds; and
 - (b) return sludge leachate back to the inlet of the treatment plant.
13. The licence holder must dispose of sludge and biosolids in accordance with the document *Western Australian Guidelines Biosolids Management*, Department of Environment and Conservation (December 2012).

Records and reporting

- 14.** 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 an Annual Audit Compliance Report in the approved form by 01 of October each year.
- 15.** The licence holder must:
- (a) prepare an environmental report that provides information in accordance with Table 4 for the preceding annual period, and
 - (b) submit the environmental report to the CEO by 01 of October each year.

Table 4: Environmental reporting requirements

Condition	Requirement
Conditions 2, 4, 8, and 9 (Tables 1, 2 and 3)	<p>monitoring data and other collected data required by any condition of this licence (data should be provided in tables and in graphical format);</p> <p>assessment of the monitoring data and other collected data required by any condition of this licence:</p> <ul style="list-style-type: none"> (a) in comparison with past monitoring data collected for the previous three (3) years; and (b) known standards;
-	summary of the number and type of complaints received, nature of complaint (cross referenced with prevailing wind directions), and action taken;
-	any issues raised from inspections or incident responses during the reporting period together with details as to how these have been addressed / rectified or, if the required work has yet to be completed, how and when they will be completed/rectified; and
-	any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution

Definitions

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

Table 5: 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 first day of the year until last day of the year of the year.
approved form	means the Annual Audit Compliance Report (AACR) form template approved by the CEO for use and available via DWER's external website.
AS 3780	means the current version of Australian Standard 3780 — <i>The storage and handling of corrosive substances</i> ;
AS/NZS 5667	means the current version of Australian Standard / New Zealand Standard 5667- <i>Water quality - Sampling</i>
books	has the same meaning given to that term under the EP Act.
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
condition	a condition to which the licence is subject under section 62 of the <i>Environmental Protection Act 1986</i>
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)

Term	Definition
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.
m ³ /day	means cubic metre per day
mg/L	means milligram per cubic metre
monthly period	means a one-month period commencing from the first day of a month until the last day of a month.
NATA	means 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 (Figure 1) in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Premises map and surface water monitoring points

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



Figure 1: Map of the boundary of the prescribed premises and location of surface water monitoring points

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Schedule 2: Groundwater Monitoring points

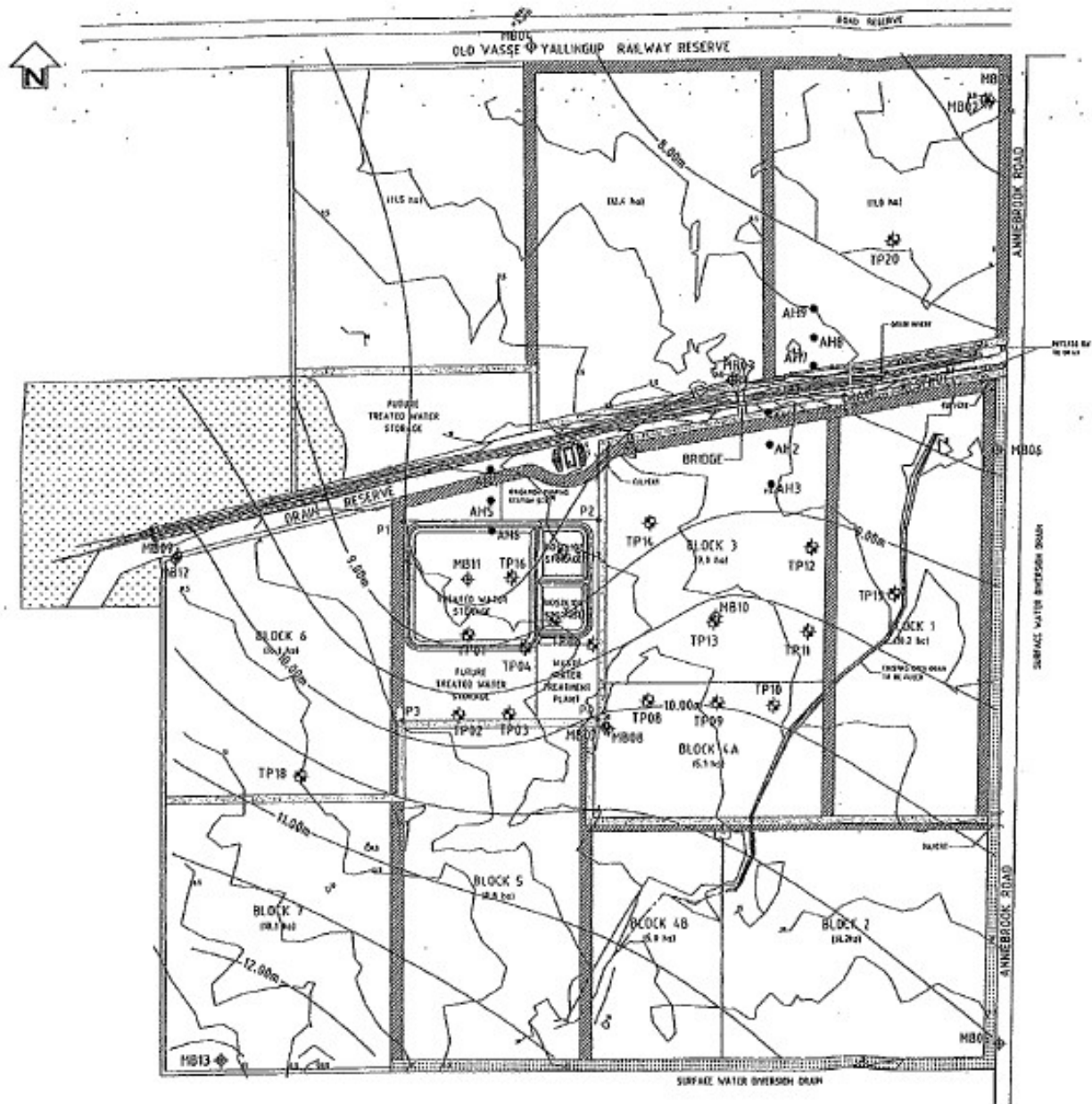


Figure 2: Location of Groundwater monitoring site