



Licence number	L7968/1998/6
Licence holder	Water Corporation
ABN	28 033 434 917
Registered business address	John Tonkin Water Centre 629 Newcastle St LEEDERVILLE WA 6007
DWER file number	2010/006077-1 (SWB2842/1~1)
Duration	01/11/2023 to 31/10/2043
Date of issue	30/10/2023
Premises details	Donnybrook Water Resource Recovery Facility Lot 2 on Diagram 50500, Lot 836 on Plan 256165; and Lot 2861 on Plan 81860 DONNYBROOK WA 6239

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	620 m ³ per day

This licence is granted to the licence holder, subject to the attached conditions, on 30/10/2023, by:

Neville Welsh
SENIOR INDUSTRY REGULATION OFFICER
REGULATORY SERVICES

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

Licence history

Date	Reference number	Summary of changes
27/09/1998	L7968/1998/1	Licence Granted
01/10/2004	L7968/1998/2	Licence renewal
24/09/2009	L7968/1998/2	Licence renewed for 3 years
20/09/2012	L7968/1998/3	Licence renewed for 3 years
15/10/2015	L7968/1998/4	Licence renewed for 1 year
09/09/2016	L7968/1998/4	Amendment Notice 1: Extend licence until 31 October 2020
18/04/2018	L7968/1998/4	Amendment Notice 2: Replace groundwater monitoring Bore 5 with current Bore 03/17 in licence
19/10/2020	L7968/1998/5	Licence renewed for 3 years
1/10/2023	L7968/1998/5	Amendment to altering the due date for the environmental report and annual audit compliance report, to be 1 October annually.
30/10/2023	L7968/1998/6	Licence renewal with twenty-year duration.

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

1. The licence holder must manage the wastewater treatment ponds such that:
 - (a) uncontaminated stormwater runoff resulting from roof and site drainage must be prevented from entering the wastewater treatment ponds or causing erosion of outer pond embankments;
 - (b) overtopping of the ponds must not occur except as a result of an extreme rainfall event (greater than a 1 in 10 year event of 72 hours duration);
 - (c) there is no discernible seepage loss from the treatment ponds;
 - (d) vegetation (emergent or otherwise) and debris must be routinely removed from pond wastewaters or inner pond embankments; and
 - (e) trapped overflows must be maintained on the discharge from all wastewater treatment ponds to prevent carry-over of surface floating matter to subsequent ponds.
2. The licence holder must dispose of collected vegetation and floating debris from the treatment ponds to a licensed landfill.
3. The licence holder must, where sewage sludge is temporarily stored on-site, direct sewage sludge to a hard-stand area or approved drying bed which:
 - (a) is adequately bunded to prevent surface runoff of leachate or sludge from crossing the boundary of the premises; and
 - (b) returns sludge leachate from the storage area back to the treatment ponds.
4. The licence holder must dispose of sludge and biosolids in accordance with the document *Western Australian Guidelines for Biosolids Management, Department of Environment and Conservation*, December 2012.

Monitoring

5. The license holder must maintain a metering device for measuring monthly cumulative volumes of treated wastewater discharged from the storage dam to irrigation. The monthly flow results shall be presented in the next annual monitoring report in a tabular format in cubic metres per day (m³/day).
6. The licence holder must maintain monitoring bores designated Bore 1, Bore 2, Bore 3, Bore 03/17, Bore 6, and Bore 7, at the locations depicted in Schedule 1: Maps, to allow representative water samples to be collected.
7. The licence holder must ensure that:
 - (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
 - (c) all surface water sampling is conducted in accordance with AS/NZS 5667.9;
 - (d) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.

8. The licence holder must determine the monthly load of each contaminant in the treated wastewater discharged from the storage dam (excluding pH and *E Coli*) using flow-weighted data. The loads shall be based on the treated wastewater discharge rates and the concentrations as measured in accordance with licence conditions 5 and 9.
9. The licence holder must undertake the monitoring in Table 1 according to the specifications in that table.

Table 1: Monitoring of emissions to land

Monitoring point reference and location	Parameter	Units	Frequency
Discharge from the storage dam to irrigation areas specified in Schedule 1: Maps	Volumetric flow rate (cumulative)	m ³ /day	Monthly (when irrigating)
	pH ¹	-	
	Total Dissolved Solids	mg/L	
	Total suspended Solids		
	Total Nitrogen		
	Total Phosphorus		
	Biochemical Oxygen Demand		
	Nitrate + Nitrite-nitrogen		
	Ammonium-nitrogen		
	<i>Escherichia coli</i>		

Note 1: In field non- NATA accredited analysis permitted.

10. The licence holder must undertake the monitoring in Table 2 according to the specifications in that table.

Table 2: Monitoring of ambient surface water quality

Monitoring point reference and location	Parameter	Units	Averaging period	Frequency
Millbrook 1 (US); Millbrook 2 (DS) and Millbrook 3 (DS)	pH ¹	-	Spot sample	Monthly (when flowing)
	Total Dissolved Solids	mg/L		
	Total suspended Solids			
	Total Nitrogen			
	Total Phosphorus			
	Biochemical Oxygen Demand			
	Nitrate + Nitrite-nitrogen			
	Ammonium-nitrogen			
	<i>Escherichia coli</i>			

Note 1: In field non- NATA accredited analysis is permitted.

11. The licence holder must undertake the monitoring in Table 3 according to the specifications in that table.

Table 3: Monitoring of ambient groundwater quality

Monitoring point reference and location	Parameter	Units	Frequency
Bore 1	Standing water level	m(AHD)	Quarterly
Bore 2		mBGL	
Bore 3	pH ¹	-	
Bore 03/17	Total Dissolved Solids calculated from Electrical conductivity ¹	mg/L	
Bore 6			
Bore 7			
	<i>Escherichia coli</i>	cfu/100 mL	

Note 1: In field non- NATA accredited analysis permitted.

Records and reporting

12. The licence holder must:
- undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - prepare and submit to the CEO, an Annual Audit Compliance Report in the approved form, by 1 October each year.
13. The licence holder must:
- prepare an environmental report that provides information in accordance with Table 4 for the preceding annual period, and
 - submit the environmental report to the CEO by 1 October each year.

Table 4: Annual Environmental Report

Condition or table (if relevant)	Parameter
Condition 5 Tables 1,2 and 3	monitoring data or other collected data required by any condition of this licence.
-	an assessment of the data against any limits set or other environmental guidelines, targets or policies referred to in this licence and data from previous years' monitoring.
-	a summary of any data exceeding those limits, guidelines, targets or policies including information on why the exceedance occurred (if known) and action taken by the licence holder to prevent recurrence of such exceedances.
Condition 15	a summary of the number and type of any complaints received
Schedule 1	any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution ¹ .
-	a list of any monitoring methods used to collect and analyse data required by any condition of this licence to demonstrate they comply with the methods specified in this licence
Condition 8	monthly and annual average loads of the contaminants must be reported in the annual monitoring report in kilograms per day.

Note 1: It is the licence holder's responsibility to ensure that all necessary approvals under the EP Act are obtained

14. The licence holder must:
 - (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 treatment pond except for routine removal from pond 1 to sludge drying beds through the sludge scour pipework.

15. 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.

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 1 July until 30 June of the immediately following 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.
biosolids	has the same meaning as defined in the document <i>Western Australian Guidelines for Biosolids Management</i> , Department of Environment and Conservation, December 2012.
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 Environmental Protection Act 1986
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	NATA
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis.

Term	Definition
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
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: Maps

Premises map

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

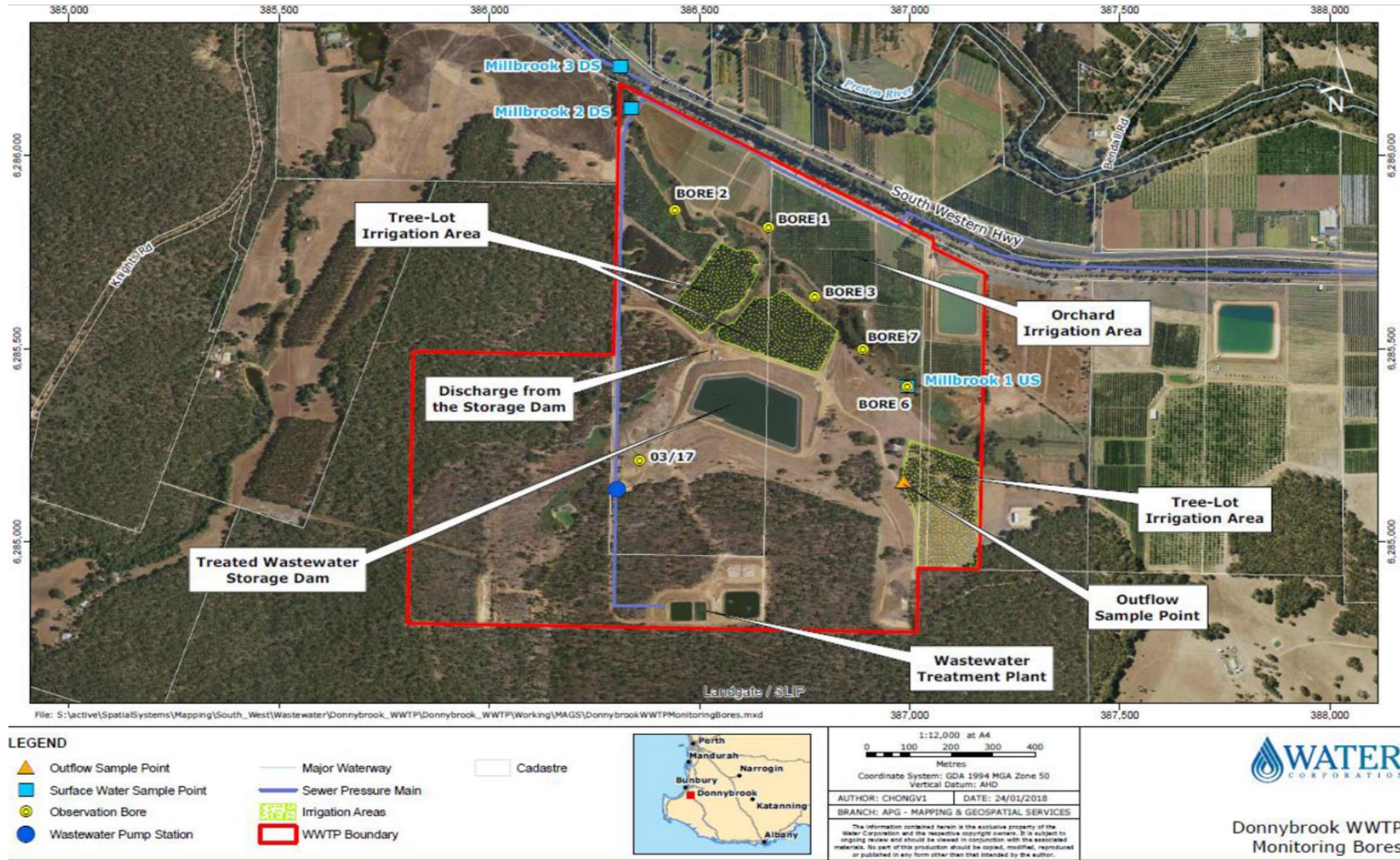


Figure 1: Map of the boundary of the prescribed premises and sample locations