



Licence number	L9273/2020/1
Licence holder	Water Corporation
ACN	28 033 434 917
Registered business address	629 Newcastle Street LEEDERVILLE WA 6007
DWER file number	2011/000052-1~4
Duration	11/02/2021 to 31/10/2023
Date of issue	11/02/2021
Premises details	Mount Barker Wastewater Treatment Plant Lot 610 on Plan 187856 and Lot 575 on Plan 175884 Crown Reserve 26367 MOUNT BARKER WA 6324 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.	1280 cubic metres per day

This licence is granted to the licence holder, subject to the attached conditions, on 11 February 2021, by:

**A/MANAGER, WASTE INDUSTRIES
REGULATORY SERVICES**

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

Licence history

Date	Reference number	Summary of changes
12/02/2021	L9273/2020/1	Issue of replacement licence (L6314/1991/12)

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 infrastructure and equipment specified in Column 1 of Table 1 is maintained in good working order and operated in accordance with the requirements specified in Column 2 of Table 1.

Table 1: Infrastructure and equipment controls table

Column 1	Column 2
Site infrastructure and equipment	Operational requirements
Wastewater treatment ponds	<ol style="list-style-type: none"> a) stormwater runoff resulting from site drainage shall be prevented from entering the wastewater treatment ponds and causing the erosion of outer pond embankments; b) overtopping of the wastewater treatment ponds does not occur except as a result of an Extreme Rainfall Event; c) there is no discernible seepage loss from the ponds; 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 between treatment ponds to prevent carry-over of surface floating matter to subsequent ponds.
Reuse Offtake Point	to allow for the reuse of treated wastewater.

Emissions and discharges

Discharges of water

2. The Licence Holder shall make available treated wastewater for reuse.
3. The Licence Holder must only discharge treated wastewater through the Wastewater Discharge Point:
 - (a) in a mechanical malfunction or emergency situation; or
 - (b) as a result of an Extreme Rainfall Event.

Solid Waste

4. The Licence Holder must dispose of collected vegetation and floating debris from the treatment ponds to a licensed landfill.
5. The Licence Holder must:
 - (a) advise the CEO in Writing no less than 72 hours prior to taking a treatment pond offline for maintenance works;
 - (b) advise the CEO in Writing no less than 14 days prior to the removal of sewage sludge from a treatment pond; and
 - (c) where sewage sludge is temporarily stored on-site, direct sewage sludge to a hard-stand area which:

- (i) is adequately bunded to prevent surface runoff of leachate or sludge; and
- (ii) return sludge leachate from the storage area back to the treatment ponds.

Monitoring

6. The Licence Holder must conduct a monitoring program which measures the parameters stated in column 2 of Table 2 at the frequency stated in column 3 of Table 2, using the corresponding methods listed in column 4 of Table 2 at the location stated in column 1 of Table 2 for each row.
7. The Licence Holder must collect, handle and preserve all water samples in accordance with the relevant parts of the Australian Standard 5667.
8. The Licence Holder must ensure all water samples are analysed in a laboratory holding NATA accreditation for the analyses specified in condition 6.

Table 2: Sampling and monitoring program

Column 1	Column 2	Column 3	Column 4
Location	Parameters to be measured	Sampling frequency	Method
Reuse Offtake Point flow meter	Volume of treated wastewater Discharge (kL) ¹	Monthly cumulative	None applicable
Wastewater Discharge Point flow meter	Volume of treated wastewater Discharge (kL) ¹	Monthly cumulative	None applicable
Flow measurement inlet flume flow meter	Volume of wastewater entering the ponds (kL) ¹	Monthly cumulative	None applicable
Final Effluent Sample Point	Total Suspended Solids (mg/L) Total Dissolved Solids (mg/L) Biochemical Oxygen Demand (mg/L) Total Nitrogen (mg/L) Ammonium-nitrogen (mg/L) Total Phosphorus (mg/L) pH (in pH units) ¹ <i>E. coli</i> (coliform-forming units/100mL)	Monthly	AS/NZ 2031 AS/NZ 5667.1 AS/NZ 5667.10

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

9. The Licence Holder must, using the data collected in accordance with condition 6, determine the load of each contaminant in wastewater discharged through the Reuse Offtake Point as stated in column 1 of Table 3, at the frequency stated in column 2 of Table 3 and in the corresponding units stated in column 3 of Table 3.

Table 3: Calculation of contaminant loads

Column 1	Column 2	Column 3
Parameters	Calculation frequency	Units
Total Dissolved Solid; Biochemical Oxygen Demand; Total Nitrogen; Total Phosphorus.	Quarterly and Annual Loads	kg/day

Records and reporting

10. 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) the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with Condition 1 of this Licence;
 - (c) monitoring undertaken in accordance with Condition 6 of this Licence;
 - (d) Reportable Events reported in accordance with Condition 15 of this Licence; and
 - (e) complaints received under Condition 11 of this Licence.

In addition, the Books must:

- (f) be legible;
 - (g) if amended, be amended in such a way that the original and subsequent amendments remain legible and are capable of retrieval;
 - (h) be retained for at least 3 years from the date the Books were made; and
 - (i) be available to be produced to an Inspector or the CEO.
11. The Licence Holder must record the number and details of any complaints received by the Licence Holder relating to its obligations under this Licence and its compliance with Part V of the EP Act at the Premises, and any action taken by the Licence Holder in response to the complaint. Details of complaints must include:
- (a) an accurate record of the concerns or issues raised, for example a copy of any written complaint or a written note of any verbal complaints made;
 - (b) the name and contact details of the complainant, if provided by the complainant;
 - (c) the date of the complaint; and
 - (d) the details and dates of the actions taken by the Licence Holder in response to the complaints.

12. The Licence Holder must submit to the CEO, no later than 1 September, a Compliance Report indicating the extent to which the Licence Holder has complied with the Conditions in this Licence for the preceding Annual Period.
13. The Licence Holder must submit to the CEO no later than 1 September each year, a copy of an Annual Environmental Report containing data collected during the preceding Annual Period. The report shall contain, but not be limited to:
 - (a) monitoring data and other collected data required by any condition of this Licence (data should be provided in tables and in graphical format);
 - (b) an explanation of the monitoring data and other collected data required by any condition of this Licence:
 - (i) in comparison with past monitoring data collected for the previous three years; and
 - (ii) known standards;
 - (c) the number and type of complaints received, including nature of complaint (cross referenced with prevailing wind directions), and action taken;
 - (d) 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;
 - (e) any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution; and
 - (f) any discharges of treated wastewater to the environment or through the Wastewater Discharge Point.
14. The Licence Holder must comply with a Department Request, within 14 days from the date of the Department Request or such other period as agreed to by the Inspector or the CEO.

Discharge Reporting

15. The Licence Holder must advise the CEO in writing within 72 hours of becoming aware of any discharge of treated wastewater to the environment or through the Wastewater Discharge Point.
16. The License Holder must ensure the written advice required by Condition 15 includes, but not be limited to:
 - (a) the date, time and probable reason for the discharge;
 - (b) an estimate of the period over which the treated wastewater was or is likely to be discharged; and
 - (c) an estimate of the extent and the volume of the discharge over that period and indication of known or potential environmental impacts.
17. The License Holder must undertake an investigation into any discharge reported under Condition 15 within 24 hours of becoming aware of the discharge.
18. The License Holder must provide a report on the investigation required by Condition 17 within 7 working days of the discharge, the report shall include, but not be limited to:
 - (a) the date, time and reason for the discharge;
 - (b) the period over which the discharge occurred;

- (c) the extent and the volume of the discharge and potential or known environmental impacts;
- (d) corrective action taken or planned to mitigate adverse environmental impact; and
- (e) corrective action taken or planned to prevent a recurrence of the discharge, including a timeline for implementation.

Definitions

In this licence, the terms in Table 4 have the meanings defined.

Table 4: Definitions

Term	Definition
ACN	Australian Company Number
Amendment Notice	means an amendment granted under s.59 of the EP Act in accordance with the procedure set out in s.59B of the EP Act.
Annual Period	means a 12 month period commencing from 1 July until 30 June.
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 sample</i> .
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 <i>Water Quality – Sampling – Guidance on sampling of waste waters</i> .
Condition	means a condition to which this Licence is subject under s.62 of the EP Act.
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
Compliance Report	means a report in a format approved by the CEO as presented by the Licence Holder or as specified by the CEO (guidelines and templates may be available on the Department's website).
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.

Term	Definition
Department Request	means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the Licence Holder in writing and sent to the Licence Holder's address for notifications, as described at the front of this Licence, in relation to: <ul style="list-style-type: none"> (a) compliance with the EP Act or this Licence; (b) the Books or other sources of information maintained in accordance with this Licence; or (c) the Books or other sources of information relating to Emissions from the Premises.
Discernible	means capable of being seen, noticed or observed.
Discharge	has the same meaning given to that term under the EP Act.
DWER	Department of Water and Environmental Regulation.
Emission	has the same meaning given to that term under the EP Act.
Environmental Harm	has the same meaning given to that term under the EP Act.
EP Act	means the <i>Environmental Protection Act 1986</i> (WA).
EP Regulations	means the <i>Environmental Protection Regulations 1987</i> (WA).
Extreme Rainfall Event	means the rainfall quantity from a one in ten year rainfall event of 72 hours duration, as defined by 'Australian Rainfall and Runoff: A Guide to Flood Estimation' (Institution of Engineers, 1987)
Final Effluent Sample Point	means the location of the final effluent sample point as labelled 'SP Final Effluent Disch WWTP Mt Barker' in Schedule 1.
Implementation Agreement or Decision	has the same meaning given to that term under the EP Act.
Inspector	means an inspector appointed by the CEO in accordance with s.88 of the EP Act.
Licence	refers to this document, which evidences the grant of a Licence by the CEO under s.57 of the EP Act, subject to the Conditions.
Licence Holder	refers to the occupier of the premises being the person to whom this Licence has been granted, as specified at the front of this Licence.
Material Environmental Harm	has the same meaning given to that term under the EP Act.
Mount Barker WWTP upgrade works/ storage tank installation	means the document Water Corporation documents dated 22 September 2015 and titled <i>Mouth Barker WWTP upgrade works/ storage tank installation</i> .

Term	Definition
NATA	means National Association of Testing Authorities.
Pollution	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Licence applies, as specified at the front of this Licence and as shown on the map in Schedule 1 to this Licence.
Prescribed Premises	has the same meaning given to that term under the EP Act.
Primary Activities	refers to the Prescribed Premises activities listed on the front of this Licence as described in Schedule 2, at the locations shown in Schedule 1.
Reportable Event	means an exceedance above the target limit specified in Column 4 of Table 6, in Schedule 3.
Reuse Offtake Point	means reuse point for third party use as labelled ' <i>SP Final Effl Post Chlor WWTP 2 Mt Barker</i> ' in Schedule 1.
Serious Environmental Harm	has the same meaning given to that term under the EP Act.
Unreasonable Emission	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.
Wastewater Discharge Point	means wastewater discharge point and labelled ' <i>Final effluent discharge to environment Magflow Meter</i> ' in Schedule 1.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The Premises are shown in the map below, with the Premises boundary shown in yellow.



Figure 1: Map of the boundary of the prescribed premises

Layout map

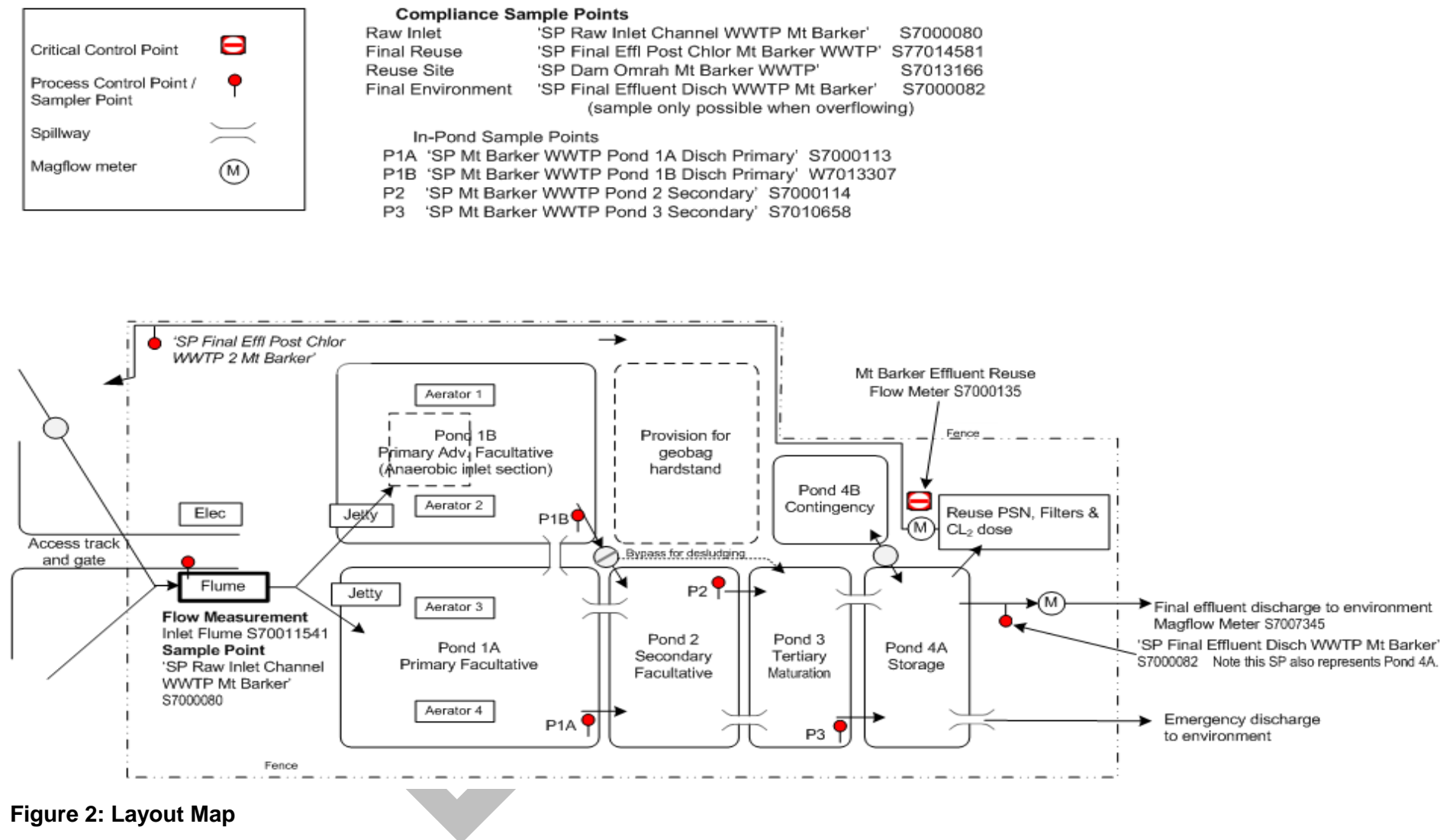


Figure 2: Layout Map

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

Schedule 2: Premises boundary

The premises boundary is defined by the coordinates in Table 5.

Table 5: Premises boundary coordinates (GDA94)

Corner	Easting	Northing	Zone
NW	561624	6169456	50
NE	561853	6169454	
SE	561848	6169005	
SW	561619	6169008	