



Licence number	L6797/1991/13
Licence holder	Water Corporation
ACN	28 003 434 917
Registered business address	629 Newcastle Street, LEEDERVILLE WA 6007
DWER file number	DEC11453/1~1
Duration	01/11/2023 to 31/10/2043
Date of issue	30/10/2023
Premises details	Katanning Water Resource Recovery Facility Lot 4 on Great Southern Highway KATANNING WA 6317 Being Lot 4 on Diagram 28605 As shown in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 54: <i>Sewage facility: premises</i> – (a) On which sewage is treated (excluding septic tanks); or (b) From which treated sewage is discharged onto land or into waters.	1,090 m ³ /day

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

Neville Welsh

SENIOR INDUSTRY REGULATION OFFICER

REGULATORY SERVICES

Officer delegated under section 20 of the Environmental Protection Act 1986

Licence history

Date	Reference number	Summary of changes
29/04/2016	L6797/1991/12	Notice of Amendment of Licence Expiry Dates, Section 59B(9) and Section 59(1)(k) Environmental Protection Act 1986 to extend the expiry date.
26/09/2019	L6797/1991/12	This Licence Amendment to extend licence duration by 5 years and remove sludge drying bed construction conditions and include sludge drying bed maintenance conditions.
30/10/2023	L6797/1991/13	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:

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 that table.

Table 1: Infrastructure and equipment

Infrastructure and equipment	Plan reference
Pump station	Premises Map: Pump station and final effluent sample point
Wastewater Treatment Ponds	Premises Map: Pond 1 (facultative), Pond 2 (facultative), Pond 3 (maturation), Pond 4 (maturation)
Sewage sludge drying area	Premises Map: Sewage sludge drying area
Treated wastewater discharge point	Premises Map: Discharge

Emissions and discharges

2. The Licence Holder must not cause any Emissions from the Primary Activities on the Premises except for specified Emissions and general Emissions described in Column 1 of Table 2 subject to the exclusions, limitations or requirements specified in Column 2 of Table 2.

Table 2: Authorised Emissions table

Column 1	Column 2
Emission type	Exclusions/Limitations/Requirements
Specified Emissions	
Treated wastewater	Subject to compliance with Conditions 7 to 8
General Emissions (excluding Specified Emissions)	
Emissions which: <ul style="list-style-type: none"> • arise from the primary activities as described in premises category description 	Emissions excluded from General Emissions are: <ul style="list-style-type: none"> • Unreasonable Emissions; or • Emissions that result in, or are likely to result in, Pollution, Serious Environmental Harm; or • Discharges of Waste in circumstances likely to cause Pollution; or • Emissions that result, or are likely to result in, the

Column 1	Column 2
Emission type	Exclusions/Limitations/Requirements
	<p>Discharge or abandonment of Waste in water to which the public has access; or</p> <ul style="list-style-type: none"> • Emissions or Discharges which do not comply with an Approved Policy; or • Emissions or Discharges which do not comply with a prescribed standard; or • Emissions or Discharges which do not comply with the conditions in an Implementation Agreement or Decision; or • Emissions or Discharges the subject of offences under regulations prescribed under the EP Act, including materials discharged under the <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>.

Maintenance of Infrastructure

3. The Licence Holder shall manage the Wastewater Treatment Ponds in a manner such that:
 - (a) stormwater runoff resulting from roof and site drainage shall be prevented from entering the Wastewater Treatment Ponds or causing the erosion of outer pond embankments;
 - (b) overtopping of the Wastewater Treatment Ponds shall not occur;
 - (c) there is no seepage loss from the ponds;
 - (d) vegetation (emergent or otherwise) shall be managed to prevent growth in the pond wastewaters or inner pond embankments; and
 - (e) trapped overflows shall be maintained on all wastewater ponds to prevent carry-over of surface floating matter to subsequent ponds.
4. The Licence Holder shall manage the sewage sludge drying area in a manner such that:
 - (a) prior to drying activities, the bed is lined with polyethylene or similar, of at least 180 µm thickness and with joints sealed to prevent seepage loss; and
 - (b) leachate is contained within the bunded area or transferred to Wastewater Treatment Ponds.

Treated Wastewater Discharge

5. The Licence Holder shall only dispose of treated wastewater from the premises via:
 - (a) discharge to the Katanning Creek in accordance with the conditions of this licence;
 - (b) piped transfer of treated wastewater from the Premises for storage at the reuse storage dam for reuse by customers (subject to any Department of Health requirements); or

- (c) piped transfer of treated wastewater from the Premises to various other locations for re-use by customers from as necessary (subject to any Department of Health requirements).
- 6. The Licence Holder shall only discharge wastewater from the Premises to Katanning Creek if it has been treated through the sequence of wastewater treatment ponds, and the discharge occurs:
 - (a) in a breakdown or emergency situation;
 - (b) during periods when wastewater is not accepted by customers for reuse in accordance with condition 7(b) and 7(c) of this licence;
 - (c) when storage in the reuse storage dam has reached safe asset capacity; or
 - (d) where pond outflows exceed pumping capacity for transfer of wastewater in accordance with condition 7(b) and 7(c) of this licence.

Odour

- 7. 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.

Ponds and Solids Management

- 8. The Licence Holder shall dispose of collected vegetation and floating debris from the treatment ponds to a landfill licensed by the Department to accept the waste.
- 9. The Licence Holder shall:
 - (a) inform the CEO in writing prior to taking a treatment pond offline for maintenance works;
 - (b) inform 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 the sewage sludge drying area.
- 10. The Licence holder shall dispose of sludge and biosolids in accordance with the WA Biosolids Guidelines.

Monitoring

- 11. The Licence Holder shall maintain metering devices for measuring monthly cumulative volumes of treated wastewater (in m³) discharged from the treatment plant to Katanning Creek, to the reuse storage dam and to the customers for reuse.
- 12. The Licence Holder shall undertake the monitoring in Table 3 according to the specifications in that table.

Table 3: Sampling and monitoring program

Monitoring site	Parameters to be measured ¹	Sampling frequency
Final effluent sample point (as depicted and labeled 'Pump station & final effluent sample point' in	(i) Total Suspended Solids (ii) Total Dissolved Solids (iii) Biological Oxygen Demand (iv) Total Nitrogen	Monthly

Monitoring site	Parameters to be measured ¹	Sampling frequency
Attachment 1).	(v) Ammonium-nitrogen (vi) Nitrate + Nitrite-Nitrogen (vii) Total Phosphorus (viii) pH ² (viii) E. coli (coliform-forming units/100mL)	
Upstream and downstream creek sampling points (as depicted and labeled 'U/S' and 'D/S' respectively, in Attachment 1).	(i) pH ² (ii) Total Dissolved Solids (iii) Total Nitrogen (iv) Total Phosphorus (ix) E. coli (coliform-forming units/100mL)	Monthly when discharging to the creek

Note 1: With the exception of pH and *E. coli*, all measurements are to be reported in mg/L.

Note 2: In-field non-NATA accredited analysis permitted.

- 13.** The Licence Holder shall ensure that:
- (a) monthly monitoring is undertaken at least 15 days apart;
 - (b) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (c) all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
 - (d) all surface water sampling is conducted in accordance AS/NZS 5667.6;
 - (e) all microbiological samples are collected and preserved in accordance with AS/NZS 2031; and
 - (f) all samples require to be analysed by a laboratory, are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured, unless indicated otherwise in Table .
- 14.** The Licence Holder shall determine the monthly load of each contaminant in the treated wastewater discharged from the final pond (except pH and *E. coli*) to the Katanning Creek using flow weighted data. The loads shall be based on the treated wastewater discharge rates and the concentrations as measured in accordance with the conditions of this licence.

Records and reporting

- 15.** The Licence Holder shall advise the CEO in writing within 72 hours of becoming aware of any discharge of treated wastewater to the Katanning Creek. The written advice shall include, but not be limited to:
- (a) the date, time and 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.

- 16.** 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 1 October each year.
- 17.** 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 3 to 10 of this licence;
 - (c) monitoring programmes undertaken in accordance with conditions 11 and 12 of this licence; and
 - (d) complaints received under condition 19 of this licence.
- 18.** The books specified under condition 17 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.
- 19.** 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.

- 20.** The Licence Holder must:
- (a) prepare an environmental report that provides information in accordance with Table 4 for the preceding two annual periods, and
 - (b) submit the environmental report to the CEO by 1 October 2024 and biennially thereafter.

Table 4: Environmental reporting requirements

Condition	Requirement
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken
-	Summary of any treatment capacity target or limit exceedances and any action taken.
-	any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution
Conditions 11, 12 & 14	monitoring data or other collected data required by any condition of this licence.
Condition 16	Compliance
Condition 19	Complaints summary

- 21.** 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.

Definitions

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

Table 5: Definitions

Term	Definition
ABN	Australian Business Number
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	means a 12 month period commencing from 01 July until 30 June of the immediately following year.
Applicable Standards and Guidelines	includes, but is not limited to: Australian and New Zealand Environment and Conservation Council and Agricultural and Resource Management Council of Australia and New Zealand 2000, <i>Australian and New Zealand guidelines for fresh and marine water quality Volume 1</i> , specifically the values for a south-west Australian slightly disturbed ecosystem lowland river and estuaries (Table 3.3.6) and toxicant trigger values for freshwater ecosystems (Table 3.4.1); and The Department Contaminated sites guidelines, available on the Department's website.
AS 3780	means Australian Standard AS 3780-2008: <i>The storage and handling of corrosive substances</i> ;
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 5667.6	means the Australian Standard AS/NZS 5667.6 <i>Water Quality – Sampling – Guidance on sampling of rivers and streams</i> .
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 <i>Water Quality – Sampling – Guidance on sampling of waste waters</i> .
Biochemical Oxygen Demand	means a water quality indicator which is reported in mg/L of oxygen and is a measure of the amount of oxygen used in the biochemical oxidation of organic matter in wastewater or a slurry and is generally tested over a period of 5 days under specified conditions.
books	has the same meaning given to that term under the EP Act.

Term	Definition
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 Email: 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> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
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:
DWER	Department of Water and Environmental Regulation.
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 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
NATA	means the 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 Schedule 1 to this licence.
Reuse storage dam	means the 200ML storage dam on Lot 1068 on Plan 31908 used for third party irrigation.
WA Biosolids Guidelines	means the <i>Western Australian Guidelines for Biosolids Management</i> , Department of Environment and Conservation, December 2012.
Wastewater Treatment Ponds	means all four ponds on the Premises which collectively treat wastewater, as labelled ‘Pond 1’, ‘Pond 2’, ‘Pond 3’, and ‘Pond 4’ in Attachment 1 to this Licence.

END OF CONDITIONS

Schedule 1: Maps

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

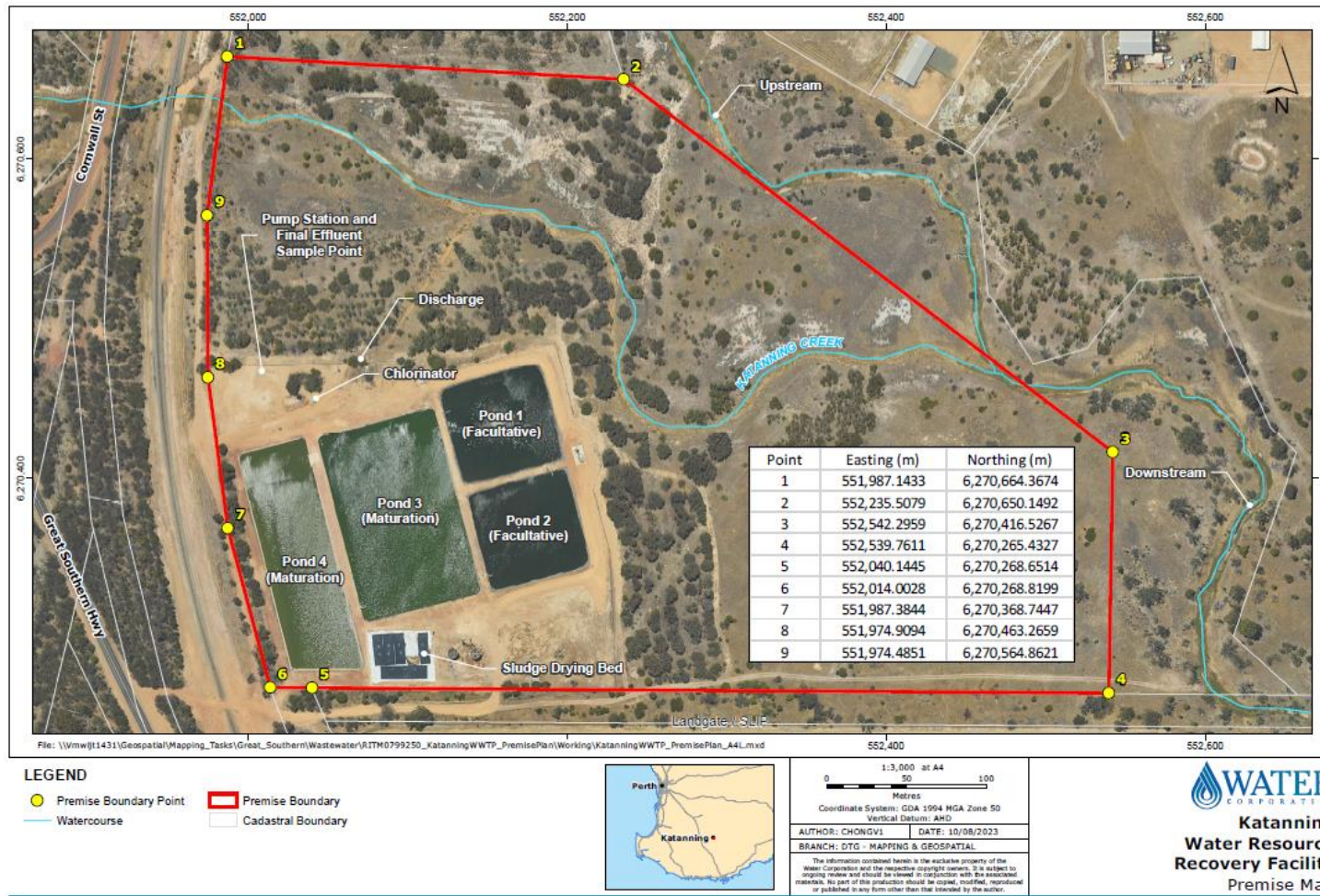


Figure 1: Map of the boundary of the prescribed premise

L6797/1991/13 - Date of Issue: 30 October 2023

Katanning WRRF Schematic

