



Licence number	L4893/1992/14
Licence holder	Water Corporation
Registered business address	629 Newcastle Street LEEDERVILLE WA 6001
DWER file number	2010/006078-1
Duration	01/11/2013 to 23/10/2026
Date of issue	24/10/2013
Date of amendment	09/09/2024
Premises details	Harvey Wastewater Treatment Plant Reserve 34796 Davis Road WOKALUP, WA 6221 Legal description - Lot 270 on Deposited Plan 157787, Lot 271 on Deposited Plan 27968, and Lot 272 on Deposited Plan 5634 As defined by the premises map in Schedule 1

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.	1,100 cubic metres (m ³) per day

This licence is granted to the licence holder, subject to the attached conditions, on 9 September 2024, by:

Tanya Johnston

A/SENIOR ENVIRONMENTAL OFFICER, INDUSTRY REGULATION

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

Licence history

Date	Reference number	Summary of changes
05/10/2000	L4893/1992/5	Licence renewed for one year.
05/10/2001	L4893/1992/6	Licence renewed for one year.
01/10/2002	L4893/1992/7	Licence renewed for one year.
01/10/2003	L4893/1992/8	Licence renewed for one year.
01/10/2004	L4893/1992/9	Licence renewed for one year.
01/11/2005	L4893/1992/10	Licence renewed for one year.
01/11/2006	L4893/1992/11	Licence renewed for one year.
01/11/2007	L4893/1992/12	Licence renewed for three years.
01/11//2010	L4893/1992/13	Licence renewed for three years.
01/11/2013	L4893/1992/14	Licence renewed for five years.
29/04/2016	L4893/1992/14	Expiry date amended to 31/10/2024.
09/09/2024	L4893/1992/14	Licence amended to extend expiry date to 23/10/2026 and make administrative changes

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

- 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 Table 1.

Table 1: Infrastructure and equipment requirements

Row	Site infrastructure and equipment	Operational requirement	Infrastructure location
1	Wastewater treatment ponds	<p>The licence holder must manage the wastewater treatment ponds such that:</p> <ul style="list-style-type: none"> (a) uncontaminated stormwater runoff resulting from roof and site drainage will not enter the wastewater treatment ponds or cause erosion of outer pond embankments; (b) overtopping of the ponds will 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 seepage loss from the treatment ponds; (d) vegetation (emergent or otherwise) and debris is routinely removed from pond wastewaters or inner pond embankments; (e) vegetation and debris removed from treatment ponds must be disposed of to a licensed or registered landfill; and (f) trapped overflows will be minimised around the discharge from all wastewater treatment ponds to prevent carry-over of surface floating matter to subsequent ponds. 	As depicted in Schedule 1, Figure 1, Figure 2 and Figure 3
2	Flow monitoring device	The licence holder must maintain metering devices for measuring monthly cumulative volumes of treated wastewater discharged from the treatment plant to the Harvey Diversion Drain. The monthly flow results must be presented in the next Environmental Report in a tabular format in m ³ /day.	N/A
3	Environmentally hazardous chemicals including alum and	Must be stored in accordance with AS3780 where the total volume of each substance stored on the premises exceeds 250 litres.	As depicted in Schedule 1, Figure 2 and Figure 3

Row	Site infrastructure and equipment	Operational requirement	Infrastructure location
	hypochlorite		
4	Perimeter valves on bunded areas	Must be locked or otherwise secured in the closed position whilst the site is unattended.	N/A

Waste acceptance

2. The licence holder must only allow waste to be accepted onto the premises if:
- (a) It is of a type listed in Table 2; and
 - (b) The quantity accepted is below any limit listed in Table 2; and
 - (c) It meets any specification listed in Table 2.

Table 2: Waste acceptance

Waste type	Quantity limit	Specification ¹
Sewage waste	1,100m ³ per day	Accepted via sewerage inflow. Sewage waste must only be accepted via tanker in emergency scenarios or during maintenance work.

Note 1: Additional requirements for the acceptance of controlled waste are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

Emissions and discharges

Treated wastewater discharges

3. The licence holder must ensure that the emissions specified in Table 3 are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

Table 3: Authorised discharge points

Emission	Discharge point	Discharge point location
Treated wastewater	Flume (Effluent Outlet)	As depicted in Schedule 1, Figure 3

4. The licence holder must ensure that emissions from the discharge point listed in Table 4 for the corresponding parameter must be targeted at or below the corresponding target when monitored in accordance with condition 6.

Table 4: Emission and discharge targets

Discharge point	Parameter	Target
Flume (Effluent Outlet)	5-day Biochemical Oxygen Demand	<20mg/L
	Total Phosphorus	<2mg/L
	<i>Escherichia coli</i>	<1000 MPN or cfu/100mL

5. Sludge and biosolids must be disposed of in accordance with the document *Western Australian Guidelines Biosolids Management*, Department of Environment and Conservation (December, 2012).

Monitoring

6. The licence holder must monitor emissions in accordance with the requirements specified in Table 5 and record the results of all such monitoring.

Table 5: Emissions and discharge monitoring

Monitoring point	Parameter	Units	Frequency	Method
Flume (Effluent Outlet)	pH ¹	pH units	Monthly	Spot sample in accordance with AS/NZS 5667
	5-day Biochemical Oxygen Demand	mg/L		
	Total Dissolved Solids	mg/L		
	Total Suspended Solids	mg/L		
	Nitrate + Nitrite-nitrogen	mg/L		
	Ammonium-nitrogen	mg/L		
	Total Nitrogen	mg/L		
	Total Phosphorus	mg/L		
	<i>Escherichia coli</i>	MPN or cfu/100mL		

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

7. The licence holder must ensure that all non-continuous sampling and analysis undertaken in accordance with condition 6 is undertaken by a holder of a current accreditation from the National Association of Testing Authorities (NATA) for the methods of sampling and analysis relevant to the corresponding relevant parameter, unless otherwise specified.
8. The licence holder must determine the monthly load of each contaminant in the treated wastewater discharged from the final pond and into the Harvey Drain (except pH and *Escherichia coli*) using flow-weighted data. The loads must be based on the treated wastewater discharge rates and the concentrations as measured in accordance with condition 1, Table 1, Row 2 and condition 6. Monthly and annual average loads of the contaminants must be reported in the

Environmental Report in kilograms per day.

Records and reporting

Records

9. 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.

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) any maintenance of infrastructure that is performed in the course of complying with condition 1 of this licence;
 - (c) monitoring programmes undertaken in accordance with conditions 6 and 8 of this licence; and
 - (d) complaints received under condition 9 of this licence.

11. The books specified under condition 10 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.

Reporting

12. The licence holder must:
 - (a) inform the CEO prior to taking a treatment pond offline for maintenance work;
 - (b) inform the CEO no less than 14 days prior to the removal of sewage sludge from a treatment pond; and
 - (c) where sludge is temporarily stored on-site, direct sewage sludge to a hardstand 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; and

- (ii) return sludge leachate from the storage area back to the treatment ponds.

13. 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.

14. The licence holder must:

- (a) prepare an Environmental Report that provides information in accordance with Table 6 for the preceding two annual periods, and
- (b) submit that Environmental Report to the CEO by 1 October 2024 and biennially thereafter.

Table 6: Environmental reporting requirements

Condition	Requirement
6	<ul style="list-style-type: none"> (a) Monitoring data collected in accordance with conditions 6; (b) An assessment of the data against the limits specified in condition 4 and data from previous years' monitoring; (c) A summary of any data exceeding the limits specified in condition 4 including information on why the exceedance occurred (if known) and action taken by the licence holder to prevent recurrence of such exceedances; and (d) A list of monitoring methods used to collect and analyse the data.
8	A summary of the monthly and annual average loads of contaminants discharged into the Harvey Drain.
9	A summary of the number and types of complaints received.

Definitions

In this licence, the terms in Table 7 have the meanings defined.

Table 7: 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 are available on the Department's website).
annual period	a 12 month period commencing from 01 July until 30 June of the immediately following year.
AS/NZS 5667	means <i>Australian Standard / New Zealand Standard 5667 – Water quality – Sampling</i> , as amended from time to time
AS3780	means <i>Australian Standard 3780 2008: The storage and handling of corrosive substances</i> , as amended from time to time
biennially	means every two years.
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
department; DWER	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

Term	Definition
	the front of the licence as the person to whom this licence has been granted.
mg/L and m ³ /day	mean milligrams per litre and cubic metres per day, respectively
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.
<i>Western Australian Guidelines Biosolids Management</i>	means the <i>Western Australian guidelines for biosolids management</i> as published by the Department of Environment and Conservation as amended from time to time.

END OF CONDITIONS

Schedule 1: Maps

Premises map

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



Figure 1: Map of the boundary of the prescribed premises



Figure 2: Map of prescribed premises infrastructure

L4893/1992/14 (9 September 2024)

IR-T06 Licence template (v10.0) (May 2024)

Harvey WWTP (FL S090-001-003)

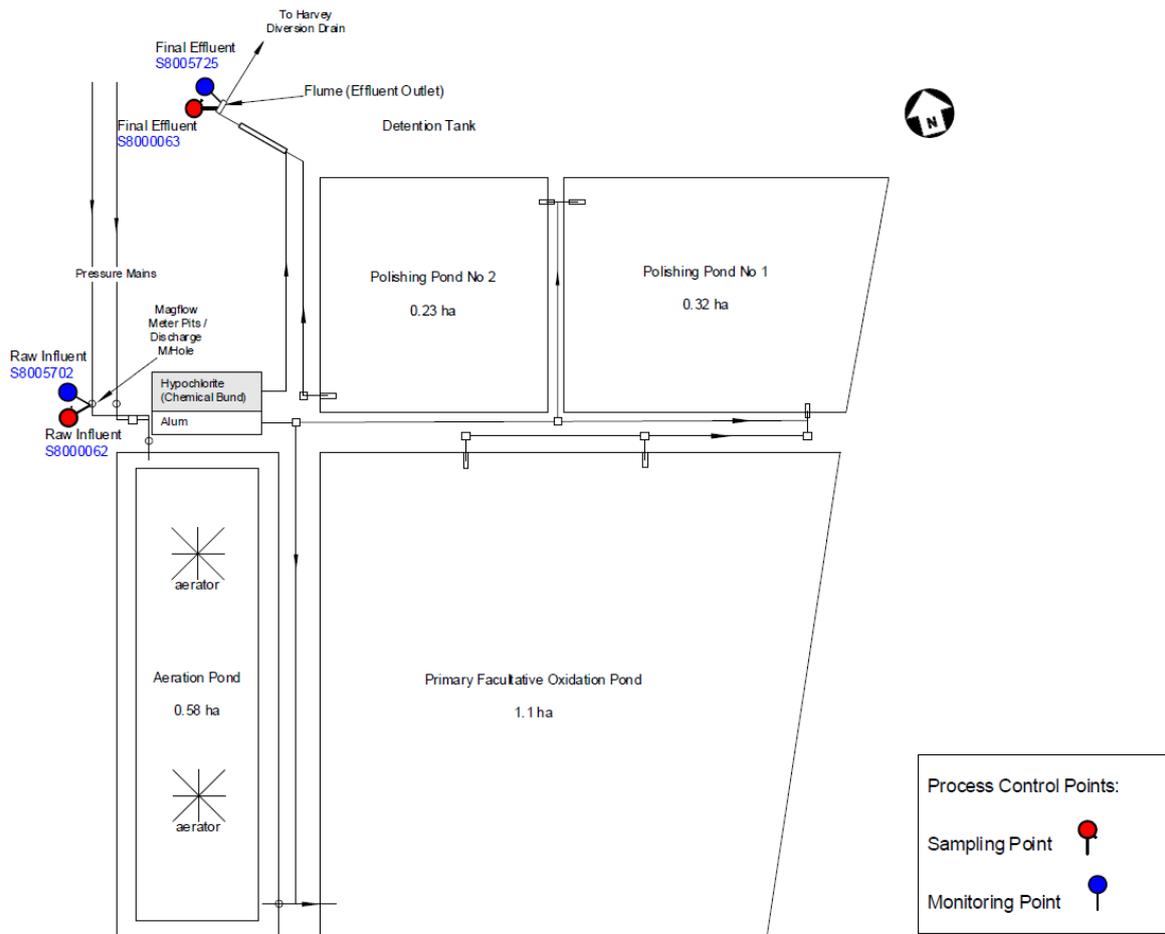


Figure 3: Process schematic