



Licence number	L6068/1991/9
Licence holder	Water Corporation
ABN	28 003 434 917
Registered business address	629 Newcastle street, Leederville WA 6007 PO BOX 100, Leederville WA 6902
DWER file number	DWERVT6976
Duration	09/12/2013 to 08/12/2034
Date of amendment	28/04/2021
Premises details	Wundowie Wastewater Treatment Plant Coates Road, Wundowie WA 6560 Lots 28194, 27737 and 28525 on Plan 207683 and Lot 28438 on Plan 175669 As shown on the premises map (Figure 1) in Schedule 1 to this licence and as defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Approved premises production or 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.	More than 200 but no more than 2000 cubic metres per day

This licence is granted to the licence holder, subject to the attached conditions, on 28 April 2021, by:

**MANAGER WASTE INDUSTRIES
REGULATORY SERVICES**

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

Licence history

Date	Reference number	Summary of changes
05/10/2000	L6068/1991/4	Licence granted.
22/10/2001	L6068/1991/5	Licence renewed.
11/11/2002	L6068/1991/6	Licence renewed
09/12/2003	L6068/1991/7	Licence renewed
04/12/2008	L6068/1991/8	Renewed for five years.
21/11/2013	L6068/1991/9	Expiry date amended to 30/06/2035.
28/04/2021	L6068/1991/9	Licence amended to excise an area from the WWTP premises boundary.

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:

- 1 The licence holder shall manage the wastewater treatment ponds in a manner such that:
 - (a) uncontaminated 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 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 ponds; and
 - (d) vegetation (emergent or otherwise) shall be prevented from growing in the pond wastewaters or on the inner pond embankments.
2. The licence holder shall maintain a device for measuring monthly cumulative volumes of treated wastewater discharged from the final treatment pond to the Shire of Northam's storage dam.
3. The licence holder shall collect a representative sample of the treated wastewater being discharged for the following parameters:

Table 1: Monitoring Program

Sampling point	Parameters to be measured	Sampling frequency	Methods
Final oxidation pond	pH ¹ , Total Suspended Solids, Filtered 5-Day Biochemical Oxygen Demand, Total - Nitrogen, Ammonium-Nitrogen, Nitrate + Nitrite - Nitrogen, Total Phosphorus, Escherichia coli.	3-monthly	The relevant parts of Australian Standard 5667; and "Standard Methods for Examination of Water and Wastewater," APHA-AWWA-WEF

With the exception of pH all measurements are to be reported in mg/L.

Note 1: In field non-NATA accredited analysis permitted. With the exception of pH and bacteria, all measurements are to be reported in milligrams per litre (mg/L).

4. The licence holder shall determine the 3 monthly loads of each contaminant in the treated wastewater discharged from the premises (except pH and bacteria) using flow-weighted data. The loads shall be based on the treated wastewater discharge rate and the concentrations as measured in accordance with Conditions 2 and 3. Monthly average annual loads of the contaminants shall be reported in the Annual Environmental report in kilograms per day.
5. The licence holder shall dispose of collected vegetation and floating debris from the treatment ponds to a licensed landfill.
6. The licence holder shall:
 - (a) inform the CEO 48 to 72 hours 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; and
 - (c) where sewage sludge is temporarily stored on-site, direct sewage sludge to a hard-stand 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. where possible, returns sludge leachate from the storage area back to the treatment ponds.
7. The licence holder shall dispose of sludge and biosolids in accordance with the document *Western Australian Guidelines for Biosolids Management*, Department of Environment and Conservation (December 2012).
8. The licence holder shall provide to the CEO by 1 September each year, an annual environmental monitoring report containing data collected over the previous annual period. The report shall contain:

Table 2: Annual Environmental Report	
Condition or table	Requirement
-	<ul style="list-style-type: none"> 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. any changes to site boundaries, surface drainage channels and on-site or offsite impacts or pollution
Conditions 3-4	<ul style="list-style-type: none"> summary of monitoring data and calculated contaminant loadings; an explanation of the monitoring results with respect to the environmental impacts of the project; and
Condition 9	<ul style="list-style-type: none"> Compliance, Annual Audit Compliance Report (AACR)
Condition 10	<ul style="list-style-type: none"> Summary of complaints received for the annual period

9. The licence holder shall by 1 September in each year, provide to the CEO an annual audit compliance report, indicating the extent to which the license holder has complied with the conditions of this licence, and any previous licence issued under Part V of the Act for the Premises, during the period beginning 1 July the previous year and ending on 30 June in that year.
10. 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, (where appropriate cross referenced with prevailing wind directions) and action taken);
 - (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.

- (e) any changes to site boundaries, surface drainage channels and on-site or off-site impacts or pollution.
11. The licence holder must maintain accurate and auditable records including the following 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 of this licence;
 - (c) monitoring undertaken in accordance with conditions 3 to 4 of this licence; and
 - (d) complaints received under condition 10 of this licence.
12. The records specified under condition 11 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.

Definitions

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

Table 3: 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 the previous year and ending on 30 June in that year.
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 Water Quality Sampling - Guidance on sampling of waste waters.
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
audit	An assessment by the licence holder of its performance against each licence condition to determine whether it is compliant.
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.

Term	Definition
NATA	means 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.
prescribed premises	has the same meaning given to that term under the EP Act.
sludge	means the accumulated semisolid material from waste deposited in the wastewater treatment ponds.
Standard Methods for Examination of Water and Wastewater	means the most recent edition of the “Standard Methods for Examination of Water and Wastewater” as published by the American Public Health Association (APHA), the American Water Works Association (AWWA) and the Water Environment Federation (WEF), generally abbreviated to APHA-AWWA-WEF.
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).

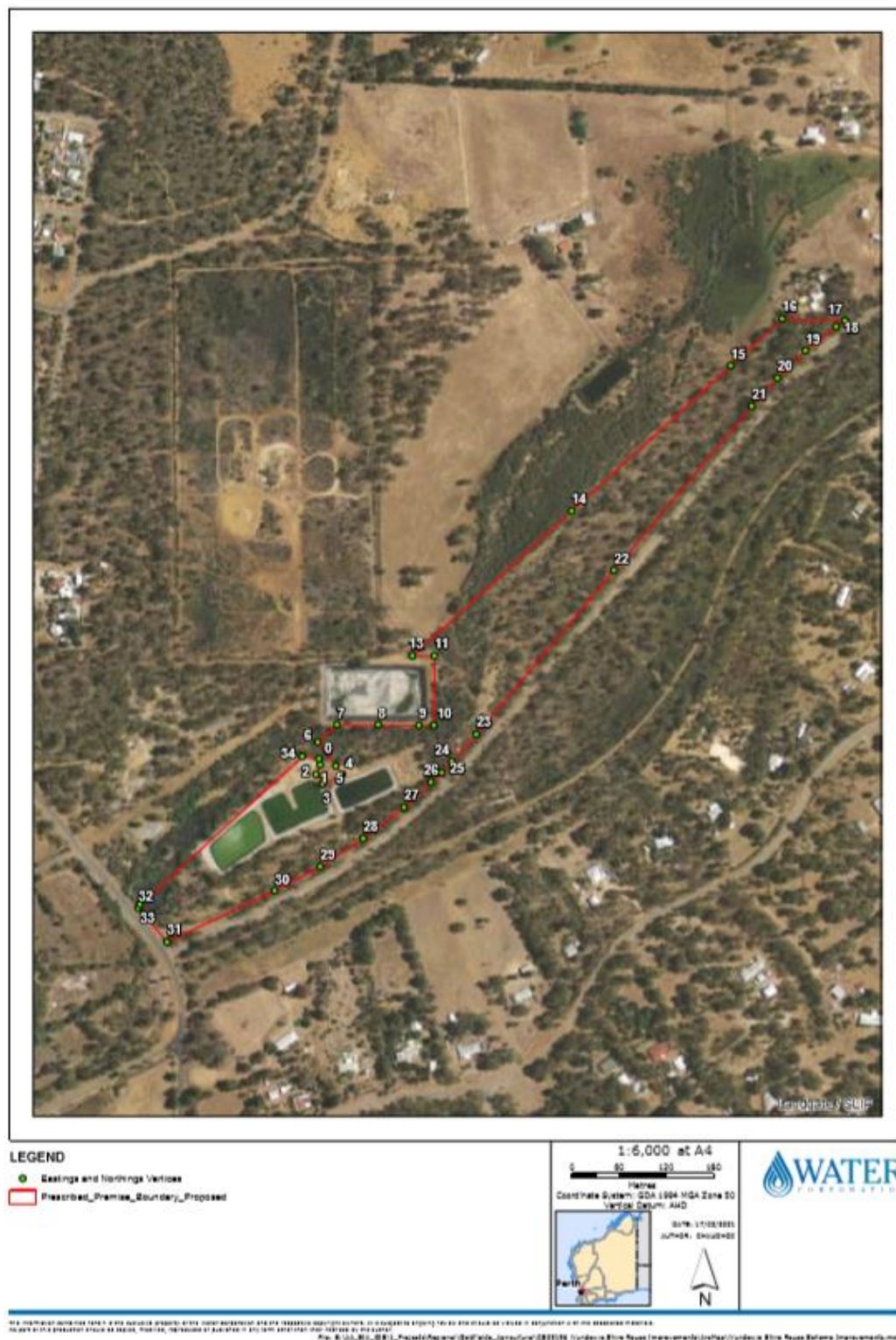


Figure 1: Map of the boundary of the prescribed premises



Figure 2: Inset covering the excised area from the prescribed premises.

Schedule 2: Premises boundary

The premises boundary is defined by the coordinates in Table .

Table 4: Premises boundary coordinates (GDA94)

Corresponding number in Figure 1	Easting	Northing	Zone
0	442316.006	6485735.389	50
1	442317.276	6485727.451	50
2	442312.125	6485715.097	50
3	442320.069	6485702.755	50
4	442345.527	6485715.347	50
5	442337.339	6485725.855	50
6	442314.390	6485756.634	50
7	442338.344	6485778.469	50
8	442391.454	6485778.169	50
9	442442.981	6485777.880	50
10	442462.153	6485777.771	50
11	442462.649	6485866.285	50
13	442434.363	6485865.977	50
14	442637.223	6486050.831	50
15	442840.082	6486235.683	50
16	442905.645	6486295.426	50
17	442985.214	6486293.102	50
18	442974.381	6486285.566	50
19	442935.266	6486254.504	50
20	442899.323	6486219.819	50
21	442866.287	6486183.643	50
22	442691.329	6485975.064	50

Corresponding number in Figure 1	Easting	Northing	Zone
23	442516.370	6485766.484	50
24	442484.835	6485731.956	50
25	442471.957	6485717.858	50
26	442458.086	6485705.072	50
27	442423.856	6485673.523	50
28	442372.133	6485633.477	50
29	442317.165	6485598.005	50
30	442258.985	6485567.172	50
31	442121.996	6485501.939	50
32	442085.815	6485545.361	50
33	442087.515	6485549.838	50
34	442294.320	6485738.341	50

Note that the location and coordinates for point 12 were not provided by the applicant however this related to a mis-numbering rather than the omission of a required point..

Schedule 3: Notification

Licence: L6068/1991/9

Licence Holder: Water Corporation

Form: N1

Date of breach:

Notification of detection of the breach of a limit or any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution	
Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances potentially released	
Best estimate of the quantity or rate of release of substances	

Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident	

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of Water Corporation	
Date	