



Licence number L7395/1991/10

Licence holder Water Corporation

ACN 634 169 841

Registered business address John Tonkin Water Centre
629 Newcastle St
Leederville WA 6007

DWER file number SWB2004-03/1

Duration 01/11/2010 to 31/10/2036

Date of issue 22/10/2010

Date of amendment 02/08/2023

Premises details Capel Wastewater Treatment Plant
Range Road, CAPEL WA 6271

Lot 5613 on Plan 190864 Range Road; and
Lot 1614 on Plan 140135 Tuart Drive
(As defined in Schedule 1)

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.	320 m ³ per day

This licence is granted to the licence holder, subject to the attached conditions, on 2 August 2023, by:

Sarah Cross
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
19/11/1991	W735/1991/1	Works approval
11/05/1998	W2360/1991/1	Works approval
28/09/2000	L7395/1991/2	Licence re-issue
12/10/2001	L7395/1991/3	Licence re-issue
18/09/2002	L7395/1991/4	Licence re-issue
30/09/2003	L7395/1991/5	Licence re-issue
27/09/2004	L7395/1991/6	Licence re-issue
06/01/2005	W4059/1991/1	Works approval – upgrade to increase capacity
25/10/2005	L7395/1991/7	Licence re-issue
26/10/2006	L7395/1991/8	Licence re-issue
25/10/2007	L7395/1991/9	Licence re-issue
22/10/2010	L7395/1991/10	Licence re-issue
29/04/2016	L7395/1991/10	Notice of Amendment of Licence expiry dates. Licence expiry date amended to 31/10/2036
13/07/2018	L7395/1991/10	Amendment Notice 1 to delete requirement for monitoring bore BH1
29/06/2021	L7395/1991/10	Licence amended to discontinue chlorination process for wastewater disposed to wetlands (map updated deleting chlorinator reference)
02/08/2023	L7395/1991/10	Amendment to altering the due date for the environmental report and annual audit compliance report, to be 1 October annually.

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:

Premises operation

1. The licence holder must manage the wastewater treatment ponds such that:
 - (a) uncontaminated stormwater runoff resulting from roof and site drainage-must not enter the wastewater treatment ponds or cause erosion of outer pond embankments;
 - (b) there is no discernible (visible) seepage loss from the treatment ponds;
 - (c) vegetation (emergent or otherwise) and debris are routinely removed from pond wastewaters or inner pond embankments; and
 - (d) trapped overflows are 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 or registered landfill.
3. 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

4. The licence holder must maintain metering devices for measuring monthly cumulative volumes of treated wastewater discharged from the final lined treatment pond to the onsite infiltration lagoons and to the Capel wetlands.
5. The licence holder must maintain monitoring bores BH2, BH3, BH4, BH5, BH6, BH7, BH8, BH9, B70, B72 and B73 to allow representative groundwater samples to be collected as depicted in Figure 2 in Schedule 1.
6. The licence holder must collect water samples from the locations listed in Table 1, at the sampling frequencies stated in Table 1, take and have the water samples analysed for the parameters listed in Table 1:

Table 1: Wastewater treatment plant monitoring requirements

Monitoring site	Parameters to be measured	Units	Sampling frequency
Discharge from the final treatment pond	pH	N/A	Monthly
	Biochemical Oxygen Demand	mg/L	
	Total Dissolved Solids		
	Total Suspended Solids		
	Nitrate-Nitrogen		
	Ammonium-nitrogen		
	Total Nitrogen		
	Phosphorus		
	<i>Escherichia coli</i>	cfu/100mL	

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7. When disposing of treated wastewater to the Capel wetlands, the licence holder must collect water samples from the monitoring sites listed in Table 2 and depicted in Figure 2 in Schedule 1, at the frequencies stated in Table 2, take and have the water samples analysed for the parameters listed in Table 2

Table 2: Capel Wetlands monitoring requirements.

Monitoring site	Parameters to be measured	Units	Sampling frequency
Swamphen, Island, Peninsula, and Higgins Lakes	pH	N/A	Quarterly: January, April, August and October
	Biochemical Oxygen Demand	mg/L	
	Total Dissolved Solids		
	Total Suspended Solids		
	Nitrate-nitrogen		
	Ammonium-nitrogen		
	Total Nitrogen		
	Total Phosphorus		
Bores: BH2, BH3, BH4, BH5, BH6, BH7, BH8, BH9, B70, B72 and B73	pH	N/A	Quarterly: January, April, August and October
	Total Dissolved Solids (calculated from Electrical Conductivity)	mg/L	
	Total Nitrogen		
	Ammonium-Nitrogen		
	Nitrate + Nitrite-nitrogen		
	Total Phosphorus.		
	Standing Water Level	metres AHD	

8. The licence holder must determine the monthly and annual average contaminant load in kilograms per day based on the treated wastewater discharge rates and the concentrations as measured in accordance with conditions 4 and 6.

Notifications

- 9.** 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;
 - (c) where sewage sludge is temporarily stored on-site, direct sewage sludge to a hard-stand area or 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.

Reporting

- 10.** The licence holder must record the following information in relation to complaints (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;
 - (d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
- 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 4, 6, 7 and 8 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.
- 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 of October each year.

14. The licence holder must:

- (a) prepare an environmental report that provides information in accordance with Table 3 for the preceding annual periods, and
- (b) submit the environmental report to the CEO by 1 of October each year.

Table 3: Environmental Report

Condition or table	Requirement
-	<ul style="list-style-type: none"> 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. 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. any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution.
Conditions 4, 6, 7 and 8	<ul style="list-style-type: none"> 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.
Condition 6	<ul style="list-style-type: none"> Monthly and annual contaminant loads
Condition 10	<ul style="list-style-type: none"> Summary of complaints received for the annual period.
Condition 13	<ul style="list-style-type: none"> Compliance, Annual Audit Compliance Report (AACR).

Definitions

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

Table 4: Definitions

Term	Definition
ACN	Australian Company Number
AHD	Australian Height Datum
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.
approved form	means the Annual Audit Compliance Report (AACR) form template approved by the CEO for use and available via DWER's external website.
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 Water Quality Sampling - Guidance on sampling of waste waters.
AS3780	means Australian Standard 3780-2008: The storage and handling of corrosive substances;
audit	An assessment by the licence holder of its performance against each licence condition to determine whether it is compliant.
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.

Term	Definition
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Inform and advise	means advise by telephone, e-mail or facsimile, respectively
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 to whom this licence has been granted.
mg/L	mean milligrams per litre
m ³ /day	cubic metres per day
NATA	means National Association of Testing Authorities, Australia
premises	Means Capel Wastewater Treatment Plant located on Lot 5613 on Plan 190864 and Lot 1614 on Plan 140135 (as depicted in Attachment 1).
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.
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).

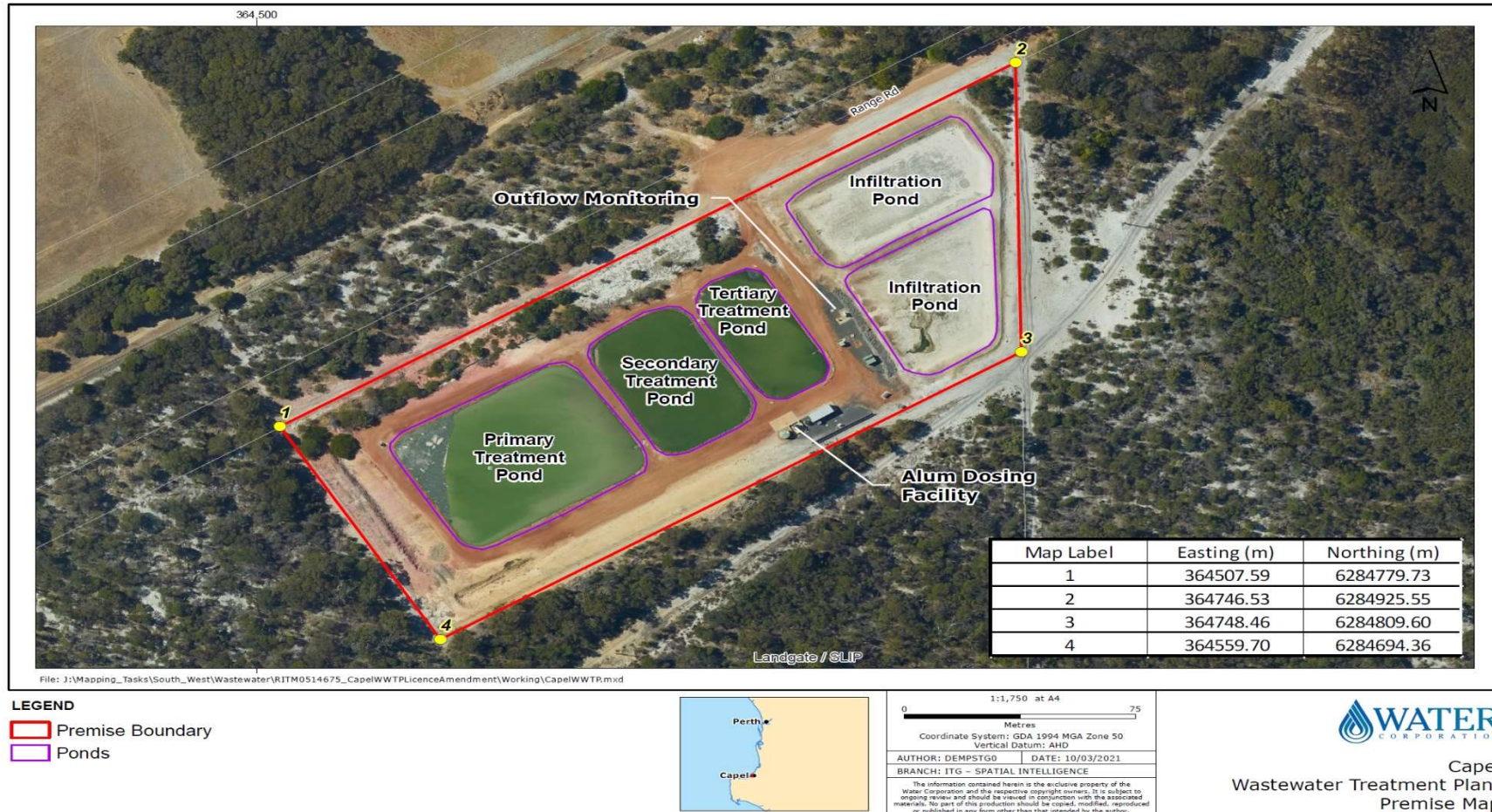


Figure 1: Map of the boundary of the prescribed premises

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Bore Locations – Capel Wetlands



Figure 2: Bore Locations – Capel Wetlands

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IR-T06 Licence template (v8.0) (September 2022)

Schedule 2: Notification

Licence: L7395/1991/10

Licence Holder: Water Corporation

Form: N1

Date of breach:

Notification of detection of the breach of a limit

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	

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	