

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT REGULATION

Environmental Protection Act 1986

LICENCE

LICENCE NUMBER: L4202/1991/10

FILE NUMBER: 2010/007811-1

NAME OF OCCUPIER:

Water Corporation
629 Newcastle Street
LEEDERVILLE WA 6007
ABN: 28 003 434 917

NAME AND LOCATION OF PREMISES:

Point Peron Wastewater Treatment Plant
2152 and 2642 Point Peron Road
PERON WA 6168
Being Lot 2152 on Plan 173916 and Lot 2642 on Plan 184654
(As depicted in Attachment 1 of this licence)

Environmental Protection Regulations 1987

CLASSIFICATION(S) OF PREMISES:

Category 54: Sewage facility
Category 61: Liquid waste facility

ISSUE DATE OF LICENCE: Thursday, 28 October 2010

COMMENCEMENT DATE OF LICENCE: Monday, 1 November 2010

EXPIRY DATE OF LICENCE: Monday, 31 October 2016

CONDITIONS OF LICENCE:

As described and attached:
DEFINITIONS (8)
GENERAL CONDITIONS (5)
WATER POLLUTION CONTROL CONDITION(S) (12)
ATTACHMENTS (2)

.....
Ruth Dowd
Senior Manager – Industry Regulation (Waste Industries)
Officer delegated under section 20
of the *Environmental Protection Act 1986*

Date of amendment: 22 October 2015

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DEFINITIONS

In these conditions of licence, unless inconsistent with the text or subject matter:

“APHA-AWWA-WEF” means American Public Health; American Water Works Association; Water Environment Federation;

“Australian Standard 5667” means the most recent version and relevant parts of AS/NZS 5667;

“CEO” means Chief Executive Officer of the Department of Environment Regulation;

‘CEO’ for the purpose of correspondence means;

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au

“Emergency Situations” means situations which are not normal or routine, such as breakdowns, or major failures of equipment etc;

“mg/L” means milligrams per litre;

“MIEX” means magnetic ion exchange;

“NATA” means the Australian body of the National Association of Testing Authorities; and

Other terms take their meaning from the *Environmental Protection Act 1986*.

GENERAL CONDITIONS

ANNUAL ENVIRONMENTAL REPORT

1. The licensee shall provide to the CEO by **1 September in each year**, an Annual Environmental Report (AER). The Annual Environmental Report will cover the period from **1 July the previous year to 30 June in that year**. The report shall contain but not be limited to:
 - (i) monitoring data required by any condition of this licence, which shall be presented in a tabular and graphical format;
 - (ii) monitoring data that exceeds any limits, guidelines and policies set in this licence, including reasons why limits were exceeded (if known) and actions taken by the Licensee to prevent recurrence of such exceedances;
 - (iii) a summary of any data exceeding those limits, guidelines or policies including information on why the exceedance occurred (if known) and action taken by the licensee to prevent recurrence of such exceedances.
 - (iv) the number and type of complaints received as required by Condition 4 of this licence;
 - (v) volumes of treated wastewater and MIEX wastewater discharged to the Sepia Depression Ocean Outlet Landline;
 - (vi) MIEX wastewater colour sampling results;

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- (vii) results for ocean sampling (for colour);
- (viii) any changes on and off the premises to site boundaries, location of monitoring/sampling points, discharge points, waste storage areas, surface drainage channels and on-site or off-site impacts or pollution; and
- (ix) 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.

MONITORING PARAMETERS

2. The licensee shall use the following units for monitoring data parameters as required by any condition of this licence:

Parameter	Unit
Monthly volume of treated wastewater discharged to the environment	Cubic metres per day or ML/day (average for the month)
Standing water level	Metres (Australian Height Datum)
pH	pH units
<i>Escherichia coli</i> (E.coli)	Colony forming units per 100 millilitres
All other parameters	Milligrams per litre (mg/L)

ANNUAL AUDIT COMPLIANCE REPORT

3. The licensee shall provide to the CEO **by 1 September in each year**, an Annual Audit Compliance Report (AACR) in the form in Attachment 2 of this licence, signed and certified in the manner required by Section C of the form, indicating the extent to which the licensee 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**.

COMPLAINTS

4. The licensee shall keep a written and accurate record of all complaints received at the premises concerning the environmental impact of the premises. The record must be dated and provide the following information (if known):
- (i) date and time of complaint;
 - (ii) location about which the complaint was made;
 - (iii) general description of the nature of complaint;
 - (iv) wind direction, wind speed and temperature at the time of the complaint;
 - (v) likely source of the reported problem; and
 - (vi) action taken in response to the complaint.
5. The licensee shall ensure the record required by Condition 4 of this licence shall be available for viewing or copying by the CEO on request.

WATER POLLUTION CONTROL CONDITIONS

DISCHARGE POINT

6. The licensee shall discharge treated wastewater from the premises to the environment through the Sepia Depression Ocean Outlet Landline.
7. Subject to Condition 6 of this licence, the licensee may, during Emergency Situations, discharge treated wastewater from the premises to the environment via onsite soakage.

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FLOW MONITORING DEVICE

8. The licensee shall monitor and record the cumulative monthly volumes of treated wastewater discharged via the Sepia Depression Ocean Outlet Landline.

TREATED WASTEWATER SAMPLING REQUIREMENTS

9. The licensee shall collect representative samples of treated wastewater being discharged to the Sepia Depression Ocean Outlet Landline (at the treated wastewater sampling point) at the sampling frequency listed below. Levels of the following parameters shall be determined:

(i) pH;	monthly;
(ii) Total Suspended Solids (TSS);	monthly;
(iii) Biochemical Oxygen Demand (BOD);	monthly;
(iv) Total Nitrogen;	3-monthly;
(v) Ammonium-nitrogen;	3-monthly;
(vi) Oxidised nitrogen (nitrate + nitrite-nitrogen);	3-monthly;
(vii) Total Phosphorus;	3-monthly;
(viii) Cd, Cr, Cu, Hg, Ni, Pb, Zn	6-monthly; and
(ix) <i>E.coli</i>	6-monthly

CALCULATION OF CONTAMINANT LOAD

10. The licensee shall determine the monthly and annual average load of each contaminant in the treated wastewaters discharged from the premises (where applicable) using flow weighted data. The loads shall be based on the treated wastewater discharge rate and the concentration as measured in accordance with conditions 8 and 9 of this licence.

GENERAL MONITORING REQUIREMENTS

11. The licensee shall collect all water samples in accordance with Australian Standard 5667.
12. The licensee shall analyse all water samples in its own quality assured laboratory, or ensure that samples are analysed in a laboratory with NATA accreditation for the analysis specified. If the licensee uses its own laboratory, then at least one set of sample per year shall also be submitted to a laboratory holding NATA accreditation for the analysis specified in Condition 9 of this licence. The licensee shall report these duplicate results to the CEO in the following Annual Monitoring Report, specifying the laboratory in which each analysis was performed.

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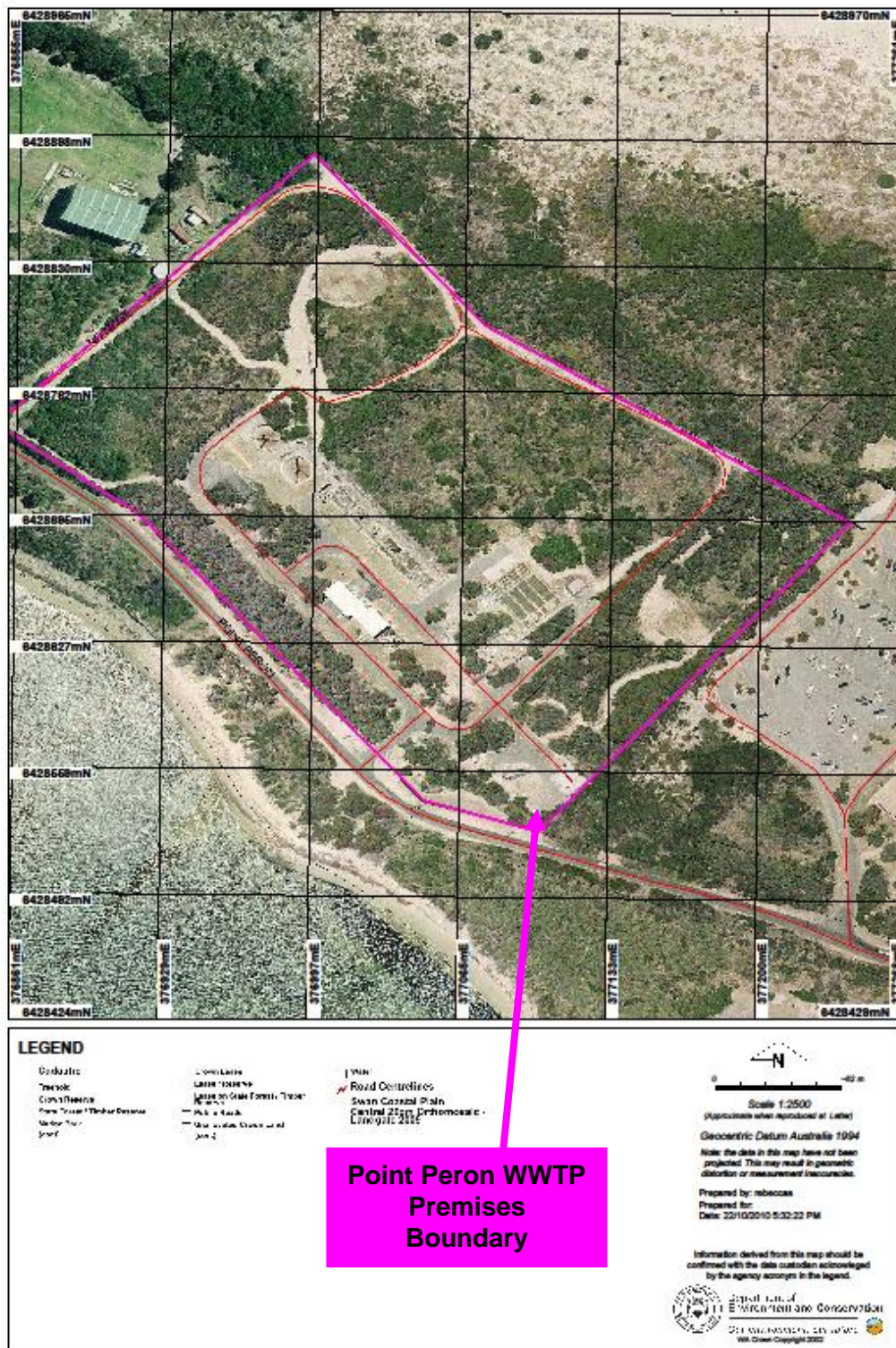
TOTAL NITROGEN DISCHARGE LIMIT

13. The licensee shall ensure that Total Nitrogen in water discharged through the Sepia Depression Ocean Outlet does not cause or contribute to a load in excess of 1778 tonnes per year (for the period 1 July to 30 June).

MIEX REGENERANT

14. The licensee shall store MIEX wastewater (where the total volume exceeds 250 litres) within low permeability (10^{-9} metres per second or less) compound(s) designed to contain not less than 110% of the volume of the largest storage vessel or inter-connected system, and at least 25% of the total volume of substances stored in the compound.
15. The licensee shall monitor and record the daily volume of MIEX wastewater discharged to the Sepia Depression Ocean Outlet Landline.
16. The licensee shall, every three months, measure and record the colour of the MIEX wastewater that is discharged to the Sepia Depression Ocean Outlet Landline.
17. The licensee shall **at least once each year**, monitor and record the colour units of all ocean monitoring sites within 100 metres of Sepia Depression Ocean Outfall diffuser (depending on ocean current) samples, while the MIEX wastewater is being discharged.

FILE NUMBER: 2010/007811-1



ATTACHMENT 2 – ANNUAL AUDIT COMPLIANCE REPORT

LICENCE NUMBER: L4202/1991/10

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ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

SECTION A

LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name:	ABN:
Trading as:	
Reporting period: _____ to _____	

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of the Licence complied with within the reporting period? (please tick the appropriate box)

Yes ☐ Please proceed to Section C

No ☐ Please proceed to Section B

Each page must be initialled by the person(s) who signs Section C of this Annual Audit Compliance Report (AACR).

Initial:

ATTACHMENT 2 – ANNUAL AUDIT COMPLIANCE REPORT

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SECTION B

DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

Please use a separate page for each Licence condition that was not complied with.

a) Licence condition not complied with:	
b) Date(s) when the non compliance occurred, if applicable:	
c) Was this non compliance reported to DER?:	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DER verbally Date _____ <input type="checkbox"/> Reported to DER in writing Date _____	<input type="checkbox"/> No
d) Has DER taken, or finalised any action in relation to the non compliance?:	
e) Summary of particulars of the non compliance, and what was the environmental impact:	
f) If relevant, the precise location where the non compliance occurred (attach map or diagram):	
g) Cause of non compliance:	
h) Action taken, or that will be taken to mitigate any adverse effects of the non compliance:	
i) Action taken or that will be taken to prevent recurrence of the non compliance:	

Each page must be initialled by the person(s) who signs Section C of this AACR

Initial:

ATTACHMENT 2 – ANNUAL AUDIT COMPLIANCE REPORT

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SECTION C

SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report (AACR) may only be signed by a person(s) with legal authority to sign it. The ways in which the AACR must be signed and certified, and the people who may sign the statement, are set out below.

Please tick the box next to the category that describes how this AACR is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

If the licence holder is		The Annual Audit Compliance Report must be signed and certified:
An individual	<input type="checkbox"/> <input type="checkbox"/>	by the individual licence holder, or by a person approved in writing by the Chief Executive Officer of the Department of Environment Regulation to sign on the licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A corporation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	by affixing the common seal of the licensee in accordance with the <i>Corporations Act 2001</i> ; or by two directors of the licensee; or by a director and a company secretary of the licensee, or if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A public authority (other than a local government)	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the chief executive officer of the licensee; or by affixing the seal of the local government.

It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.

I/We declare that the information in this annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE: _____

SIGNATURE: _____

NAME:
(printed) _____

NAME:
(printed) _____

POSITION: _____

POSITION: _____

DATE: ____/____/____

DATE: ____/____/____

SEAL (if signing under seal)



Environmental Protection Act 1986, Part V

Licence: L4202/1991/10

Expiry date: Monday, 31 October 2016

Decision Document authorised by: Ruth Dowd
Delegated Officer



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.

2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input checked="" type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	54 Sewage Facility	20 000 m ³ per day
	61 Liquid Waste Facility	N/A
Application verified	Date: N/A	
Application fee paid	Date: N/A	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome	NA	
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Referral decision No: 1471 Managed under Part V <input checked="" type="checkbox"/> Assessed under Part IV <input checked="" type="checkbox"/>



Is the proposal subject to Ministerial Conditions?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Ministerial statement No: 665 EPA Report No: 1135
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If Yes include details of which EPP(s) here. Environmental Protection (Kwinana) (Atmospheric Wastes) Policy 1999		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, include details here, eg Site is subject to SO ₂ requirements of Kwinana EPP.		

3 Executive summary of proposal and assessment

The Point Peron Wastewater Treatment Plant (WWTP) is located approximately 50 km south of Perth. The ocean is located approximately 100m north and 40m south of the Premises. School camp accommodation is located approximately 70m north west of the premises, and holiday accommodation is located approximately 200m south east.

The WWTP is a primary treatment facility and liquid waste receival facility, designed to treat up to 20 mega litres of effluent per day. The plant treats wastewater to a primary standard and consists of pre-treatment, primary treatment and sludge thickening. All treated wastewater is discharged to the ocean via Sepia Depression Ocean Outfall Landline (SDOOL). The SDOOL is situated 4.1 kilometres offshore west-south-west of Point Peron. The licensee also accepts magnetic ion exchange (MIEX) wastewater from the Wanneroo groundwater treatment plant. This wastewater is classified as a liquid waste and is accepted and disposed of with the treated effluent via the SDOOL. Thickened sludge is transported to the Woodman Point WWTP for further processing.

The activity is subject to Ministerial Statement number 665.

This amendment is to extend the duration of the Licence by 12 months; changing the expiry date to the 31 October 2016. Emissions and discharges have not been reassessed as part of this amendment. It is intended that a review of the licence and conversion to the updated licensing format will occur within this 12 month extension period.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Definitions, General Conditions, Water Pollution Control Conditions	L1, L3, L5, L12	References to Director have been updated to CEO in accordance with current licensing process.	
General conditions	L1	Condition 1 has been amended to change the title of the report from 'Annual Monitoring Report' to 'Annual Environmental Report' for consistency with the current DER reporting requirements.	
Attachment 2	N/A	The AACR has been updated to the current format used by DER.	
Licence Duration	N/A	The Licence is being amended to extend the duration by 12 months; changing the expiry date to the 31 October 2016. Emissions and discharges have not been reassessed as part of this amendment. It is intended that a review of the licence and conversion to the updated licensing format will occur within this 12 month extension period.	



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
28/09/2015	Application advertised in West Australian (or other relevant newspaper)	No comments received.	N/A
7/10/2015	Proponent sent a copy of draft instrument	No comments received.	N/A



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High