

WESTERN AUSTRALIA
DEPARTMENT OF ENVIRONMENT REGULATION

Environmental Protection Act 1986

LICENCE

LICENCE NUMBER: L4884/1992/11

FILE NUMBER: 2010/003540

NAME OF OCCUPIER:

Water Corporation

ADDRESS OF OCCUPIER:

629 Newcastle Street
Leederville WA 6007

NAME AND LOCATION OF PREMISES:

Bullsbrook Wastewater Treatment Plant
Lot 6 on Diagram 17646 and Lots 9000, 9001 and 9002 on Plan 40152 Great Northern
Highway
Bullsbrook WA 6084

Environmental Protection Regulations 1987

CLASSIFICATION OF PREMISES:

Category 54- Sewage facility

COMMENCEMENT DATE OF LICENCE: Sunday, 17 October 2010

EXPIRY DATE OF LICENCE: Sunday, 16 October 2016

CONDITIONS OF LICENCE:

As described and attached:

DEFINITIONS 4
GENERAL CONDITION(S) 2
WATER POLLUTION CONTROL CONDITION(S) 4
SOLID WASTE CONTROL CONDITION(S) 1
ATTACHMENT(S) 3

Date Signed: 14 October 2015

.....
Steve Checker
Manager Licensing (Waste Industries)
Officer delegated under Section 20
of the *Environmental Protection Act 1986*

Date of Issue: Friday, 8 October 2010

Date of Amendment: Thursday, 15 October 2015

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DEPARTMENT OF ENVIRONMENT REGULATION

Environmental Protection Act 1986

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CONDITIONS OF LICENCE

DEFINITIONS

In these conditions of licence:

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

"CEO" and "Department of Environment Regulation" 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

"licensee" means the Water Corporation; and

"premises" means Bullsbrook Waste Water Treatment Plant, located at Lot 6 on Diagram 17646, and Lots 9000, 9001 and 9002 on Plan 40152 Bullsbrook as depicted in Attachment 1.

GENERAL CONDITIONS

REPORTING REQUIREMENTS

- G1 The licensee shall provide the CEO with an Annual Environmental Report containing the monitoring data or other collected data required by any condition of this licence. The report shall contain data collected from 1 July to 30 June and shall be provided by 1 September each year.
- G2 The licensee shall by 1 September in each year, provide to the CEO an Annual Audit Compliance Report in the form in Attachment 3 to 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.

WATER POLLUTION CONTROL CONDITIONS

FLOW MONITORING DEVICE AND SAMPLING POINT

- W1(a) The licensee shall maintain a suitable device for measuring cumulative volumes of influent treated at the treatment plant. The monthly flow results shall be presented in the next annual monitoring report.
- W1(b) The licensee shall maintain a sampling point in the outlet pipe from the treatment plant so that wastewater samples can easily be taken there from.

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TREATED WASTEWATER SAMPLING REQUIREMENTS

W2(a) The licensee shall collect a representative sample of the treated wastewater being discharged from the IDEA plant and collect a representative sample of the water being discharged via the levee bank spillway (if flowing). Levels of the following parameters shall be determined at the following frequencies:

- | | | |
|--------|----------------------------------|-----------|
| (i) | pH; | monthly |
| (ii) | Total Suspended Solids; | monthly |
| (iii) | Total Dissolved Solids; | monthly |
| (iv) | Biochemical Oxygen Demand (BOD); | monthly |
| (v) | Total Nitrogen; | monthly |
| (vi) | ammonium nitrogen; | monthly |
| (vii) | nitrate + nitrite nitrogen; | monthly |
| (viii) | Total Phosphorus; and | monthly |
| (ix) | <i>E.coli (bacteria)</i> | 6-monthly |

With the exception of pH and *E.coli*, all measurements are to be reported in milligrams per litre (mg/L). The results shall be presented in the next annual monitoring report.

W2(b) The licensee shall ensure all water and wastewater samples shall be collected in accordance with Australian Standard 5667.

W2(c) The licensee shall ensure that all water samples, referred to in condition W2(a), shall be analysed in the Water Corporation Quality Assured laboratory, or in a laboratory holding NATA accreditation for the analyses specified.

W2(d) The licensee shall ensure that where the water samples are analysed in the Water Corporation Quality Assured laboratory, referred to in condition W2(c), then at least one set of duplicate samples per year shall also be submitted to a laboratory holding NATA accreditation for the analysis specified in condition W2(a).

GROUNDWATER SAMPLING REQUIREMENTS

W3 The licensee shall every 12 months collect representative groundwater samples from each of the monitoring bores designated 1/92, 2/92, 3/92, 4/92 and 5/92 (as depicted in Attachment 2). Levels of the following parameters shall be determined:

- (i) pH;
- (ii) Total Dissolved Salts;
- (iii) Total Nitrogen;
- (iv) Total Phosphorus; and
- (v) Standing Water Level in metres AHD.

With the exception of pH and standing water level, all measurements are to be reported in milligrams per litre (mg/L). The results shall be presented in the next annual monitoring report in tabular form.

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CALCULATION OF CONTAMINANT LOAD

- W4 The licensee shall determine the monthly load of each contaminant in the effluent discharged in the levee bank spillway (if flowing) (except pH and E.coli) using flow weighted data. The loads shall be based on the volume of influent treated at the treatment plant and the concentrations as measured in accordance with conditions W1 and W2. Monthly average loads shall be reported in the annual monitoring report in kilograms per day.

SOLID WASTE DISPOSAL CONDITION

SOLID WASTE DISPOSAL

- S1 The licensee shall dispose of any solid wastes and sludges generated at the premises to a licensed facility.

.....
Steve Checker
Manager Licensing (Waste Industries)
Officer delegated under Section 20
of the *Environmental Protection Act 1986*

Date of Issue: Friday, 8 October 2010
Date of Amendment: Thursday, 15 October 2015

ATTACHMENT 1 – PLAN OF PREMISES

LICENCE NUMBER: L4884/1992/11

FILE NUMBER: 2010/003540

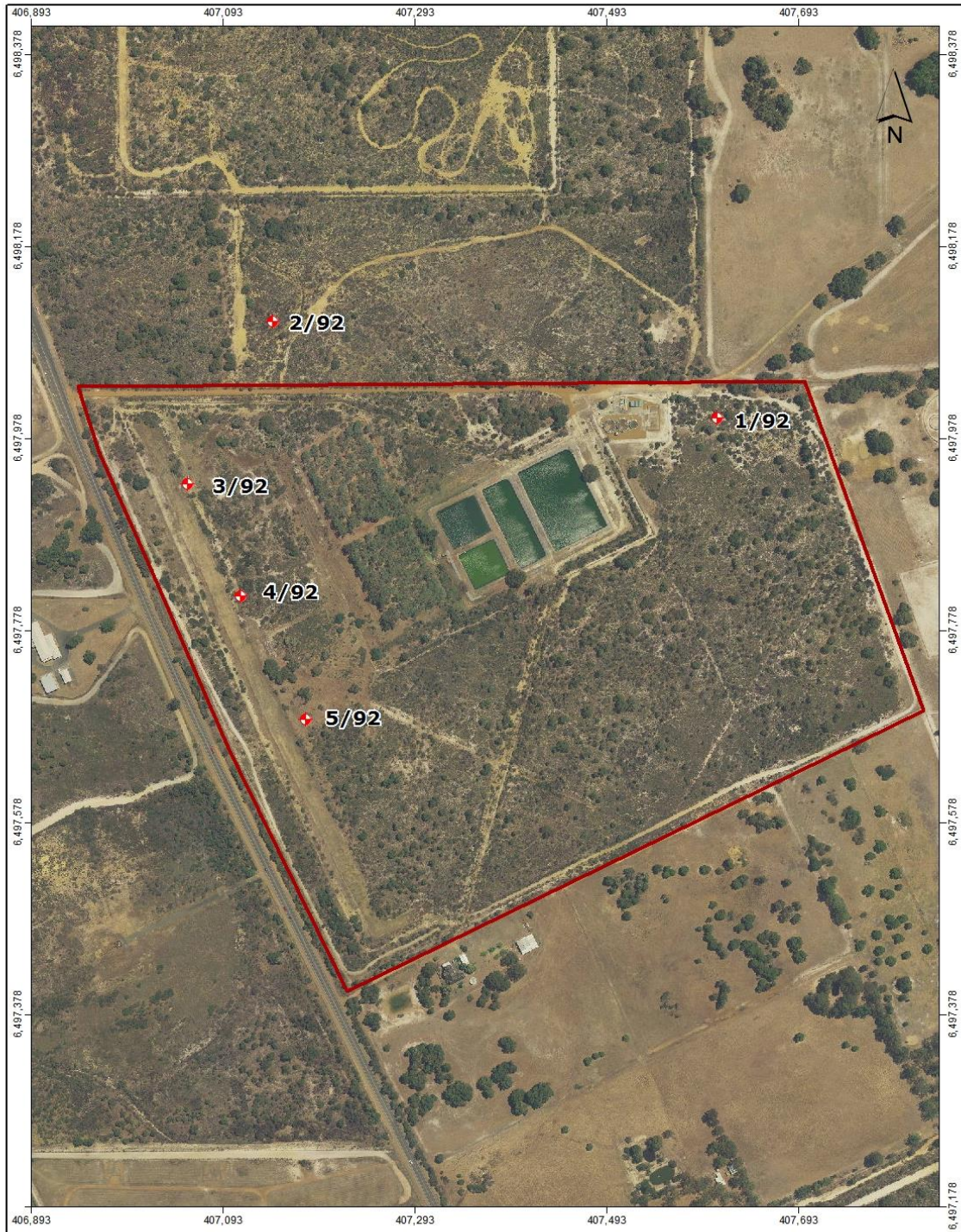
Premises Location: Lot 6 on Diagram 17646 and Lots 9000, 9001 and 9002 on Plan 40152, Great Northern Highway Bullsbrook



ATTACHMENT 2 – MAP OF MONITORING BORES

LICENCE NUMBER: L4884/1992/11

FILE NUMBER: 2010/3540-1



LEGEND



1:5,350 at A4
 0 50 100 150
 Metres
 Coordinate System: GDA, 1994 MGA Zone 50
 Vertical Datum: AHD
 AUTHOR: ROBERTNO | DATE: 25/09/2015
 BRANCH: EAAB
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Bullsbrook WWTP

ATTACHMENT 3 - ANNUAL AUDIT COMPLIANCE REPORT

LICENCE NUMBER: L4884/1992/11

FILE NUMBER: 2010/003540

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 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 initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: _____

ATTACHMENT 3 - ANNUAL AUDIT COMPLIANCE REPORT

LICENCE NUMBER: L4884/1992/11

FILE NUMBER: 2010/003540

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 DEC?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DEC verbally Date _____	<input type="checkbox"/> No
<input type="checkbox"/> Reported to DEC in writing Date _____	
d) Has DEC taken, or finalised any action in relation to the non compliance?	
e) Summary of particulars of 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 initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: _____

ATTACHMENT 3 - ANNUAL AUDIT COMPLIANCE REPORT

LICENCE NUMBER: L4884/1992/11

FILE NUMBER: 2010/003540

SECTION C

SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report may only be signed by a person(s) with legal authority to sign it. The ways in which the Annual Audit Compliance Report 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 Annual Audit Compliance Report 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 Corporations Act 2001; or by two CEOs of the Licensee; or by a CEO and a company secretary of the Licensee, or if the Licensee is a proprietary company that has a sole CEO who is also the sole company secretary – by that CEO, 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)



Decision Document

Environmental Protection Act 1986, Part V

Proponent: **Water Corporation**

Licence: **L4884/1992/11**

Registered office: 629 Newcastle Street
LEEDERVILLE WA 6007

Premises address: Bullsbrook Wastewater Treatment Plant
2768, 2788, 2818 and 2820 Great Northern Highway
Bullsbrook WA 6084
Being Lot 6 on Diagram 17646 and Lots 9000, 9001 and 9002 on Plan 40152

Issue date: Friday, 8 October 2010

Commencement date: Sunday, 17 October 2010

Expiry date: Sunday, 16 October 2016

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue an amended licence. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by:

Tanya Gilders
Licensing Officer

Decision Document authorised by:

Steve Checker
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	Not applicable
Application verified	Date:	
Application fee paid	Date:	
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		
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 type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>



Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
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 type="checkbox"/> No <input checked="" type="checkbox"/> If Yes include details of which EPP(s) here.		
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 Bullsbrook Wastewater Treatment Plant (WWTP) is located approximately 42km north east of Perth and services the town of Bullsbrook and surrounding areas, which has a nominal contributing population of 1,500.

This Plant utilises an Intermittently Decanted Extended Aeration (IDEA) system. The Bullsbrook WWTP is designed to serve a population of approximately 2000. Treated wastewater is disposed of by evaporation and infiltration via a constructed woodlot/wetland area on site.

This amendment is to extend the duration of the licence for one year to enable sufficient time to conduct a robust assessment of the emissions and discharges on the premises. Emissions and discharges on site have not been reassessed as part of this amendment process.



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
Water Pollution Control Conditions	W4	This condition has been amended to only require the calculation of contaminant load should the spillway be flowing to be consistent with condition W2(a). Emissions and discharges have not been reassessed as part of this amendment.	
Solid Waste Disposal Conditions	S1	This condition has been corrected to require solid waste to be disposed of at a licensed facility to allow operational flexibility. Emissions and discharges have not been reassessed as part of this amendment.	
Licence Duration		This is a short term amendment to extend the duration of the licence for one year to enable sufficient time to conduct a robust assessment of the emissions and discharges on the premises. Emissions and discharges have not been reassessed as part of this amendment.	



5 Advertisement and consultation table

Date	Event	Comments received/Notes		How comments were taken into consideration
21/09/2015	Application advertised in West Australian (or other relevant newspaper)	No comments received.		
1/10/2015	Proponent sent a copy of draft instrument	Definitions	The use of 'Director' is inconsistent with use of 'CEO'.	Amended as requested.
		W2(c), W2(d)	Clarify what Quality Assurance protocol this condition is referring to.	The condition does not refer to a protocol only the Water Corporation Quality Assured laboratory or in a laboratory holding NATA accreditation. This allows Water Corporation to utilise their own laboratory or a NATA accredited laboratory.
		W4	Sampling at the spillway is not required and request an exemption to this condition on the licence in the interim until the licence undergoes a robust assessment.	Amended to state 'if flowing' therefore only requiring the calculation of contaminant load should the spillway be flowing to be consistent with condition W2(a).
		S1	Please consider removing 'Beenyup WWTP' from this condition to allow greater operational flexibility.	Amended to state 'to a licensed facility'.



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