



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Water Corporation

Licence: L7440/1998/7

Registered office: 629 Newcastle St
LEEDERVILLE WA 6007

Premises address: Bridgetown Wastewater Treatment Plant #2
HESTER BROOK WA 6255
Being Lot 10438 on Plan 153767

Issue date: Thursday, 23 October 2014

Commencement date: Saturday, 1 November 2014

Expiry date: Thursday, 31 October 2019

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 and legal requirements and that the Licence and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by:

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Licensing Officer

Decision Document authorised by:

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Manager Licensing



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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.

Works approval and licence conditions

DER has three types of conditions that may be imposed on works approvals and licences. They are as follows;

Standard conditions (SC)

DER has standard conditions that are imposed on all works approvals and licences regardless of the activities undertaken on the Premises and the information provided in the application. These are included as the following conditions on works approvals and licences:

Works approval conditions: 1.1.1-1.1.4, 1.2.1, 1.2.2, 5.1.1 and 5.1.2.

Licence conditions: 1.1.1-1.1.4, 1.2.1-1.2.4, 5.1.1-5.1.4 and 5.2.1.

For such conditions, justification within the Decision Document is not provided.

Optional standard conditions (OSC)

In the interests of regulatory consistency DER has a set of optional standard conditions that can be imposed on works approvals and licences. DER will include optional standard conditions as necessary, and are likely to constitute the majority of conditions in any licence. The inclusion of any optional standard conditions is justified in Section 4 of this document.

Non standard conditions (NSC)

Where the proposed activities require conditions outside the standard conditions suite DER will impose one or more non-standard conditions. These include both premises and sector specific conditions, and are likely to occur within few licences. Where used, justification for the application of these conditions will be included in Section 4.



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	<table border="1"> <thead> <tr> <th>Category number(s)</th> <th>Assessed design capacity</th> </tr> </thead> <tbody> <tr> <td>54: Sewage facility</td> <td>520 cubic metres per day</td> </tr> <tr> <td>61: Liquid waste facility</td> <td>1000 tonnes per annual period</td> </tr> </tbody> </table>	Category number(s)	Assessed design capacity	54: Sewage facility	520 cubic metres per day	61: Liquid waste facility	1000 tonnes per annual period
	Category number(s)	Assessed design capacity					
54: Sewage facility	520 cubic metres per day						
61: Liquid waste facility	1000 tonnes per annual period						
Application verified	Date: 29/07/2014						
Application fee paid	Date: 8/8/2014						
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 checked="" 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 Bridgetown Wastewater Treatment Plant (Bridgetown WWTP) is located near the town of Bridgetown and comprises of the following operations:

- An intermittently decanting extended aeration (IDEA) plant which treats water to a tertiary standard;
- Lined sludge drying beds; and
- Irrigation storage dam.

The treated wastewater is sent to a lined storage dam and following filtration and disinfection, is used to irrigate the Bridgetown Golf Course in summer months.

Waste activated sludge is dried in two drying beds, where the leachate is returned to the treatment plant and the dry solids are sent to disposal.

The main potential emissions are odour and impact on groundwater. Groundwater is monitored through a series of three bores. Monitoring of treated wastewater and reuse wastewater is also undertaken when discharging to the golf course. Apart from the nearby golf course there are no sensitive landusers close the Bridgetown WWTP.

The licence for this premises was recently reissued for a period of one year in old format.

DER has now amended the licence and converted it into the new standardised REFIRE format. During the conversion process, DER has not reassessed the acceptability or impacts of emissions and discharges from the Premises or re-visited any existing emission control levels. As part of the amendment, the period of the licence has been extended by a further four years as the previous reissue was for only one year.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987*, DEC's Policy Statement - Limits and targets for prescribed premises (2006), 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	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	L1.3.1 L1.3.2	OSC OSC	<p>Operation Stormwater has not been reassessed as part of this reissue. As the previous licence did not include controls on stormwater, no specified conditions have been included on stormwater.</p> <p>OSC L1.3.1 and 1.3.2 have been included in this section to replace condition W1 of the previous licence (1.3.1 has been included because there are descriptive limits in this section).</p>	<p>General provisions of the <i>Environmental Protection Act 1986</i></p> <p><i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i></p>
Emissions general	N/A	N/A	As there are no conditions in the emissions section, OSC on recording or investigating exceedences of limits or targets has not been included.	N/A
Point source emissions to air including monitoring	N/A	N/A	There are no point source emissions to air from the premises.	N/A
Point source emissions to surface water including monitoring	N/A	N/A	There are no point source emissions to surface water from the premises.	N/A
Point source	N/A	N/A	There are no point source emissions to groundwater from the premises.	N/A



DECISION TABLE				
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emissions to groundwater including monitoring				
Emissions to land including monitoring	L3.5.1	OSC	There are no emissions to land from the premises (treated wastewater from the premises is discharged on the Bridgetown Golf Club which is a separate premises). Monitoring of this water has been included in the section on emissions to land to replace conditions W2 and W3 of the previous licence.	N/A
Fugitive emissions	N/A	N/A	Fugitive emissions have not been reassessed as part of this reissue. As the previous licence did not impose controls on fugitive emissions, no specified conditions have been included in this section.	N/A
Odour	N/A	N/A	Odour emissions have not been reassessed as part of this reissue. As the previous licence did not impose controls on odour emissions, no specified conditions have been included in this section.	N/A
Noise	N/A	N/A	Noise emissions have not been reassessed as part of this reissue. As the previous licence did not impose controls on noise emissions, no specified conditions have been included in this section.	N/A
Monitoring general	L3.1.1 – L3.1.4	OSC	General monitoring conditions have been included in the licence because there are conditions on monitoring in the sections on emissions to land and ambient monitoring.	N/A
Monitoring of inputs and outputs	N/A	N/A	Monitoring requirements have not been reassessed as part of this reissue. As the previous licence did not include conditions on monitoring of inputs and outputs no specified conditions have been included in this section.	N/A
Process monitoring	N/A	N/A	Monitoring requirements have not been reassessed as part of this reissue. As the previous licence did not include conditions on process monitoring no specified conditions have been included in this section.	N/A
Ambient quality monitoring	L3.8.1	OSC	Monitoring requirements have not been reassessed as part of this reissue. OSC L3.8.1 replaces condition W3 of the previous licence.	N/A
Meteorological monitoring	N/A	N/A	Monitoring requirements have not been reassessed as part of this reissue. As the previous licence did not include conditions on meteorological monitoring no	N/A



DECISION TABLE				
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			specified conditions have been included in this section.	
Improvements	N/A	N/A	No improvement conditions are required in this licence.	N/A
Information	N/A	N/A	SC L5.2.1 – 5.2.3 and 5.3.1 replace conditions G1 and G2 of the previous licence.	N/A
Licence Duration	N/A	N/A	As this is a moderate priority premises it is recommended that this be issued for a period of five years. When a full decision document and review is completed, the licence can be extended for 20 years as per the DER policy on licence duration.	N/A

5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
N/A	Application advertised in West Australian (or other relevant newspaper)	N/A	N/A
12/11/2014	Proponent sent a copy of draft instrument	Minor amendments to licence requested – removal of monitoring forms, change to emission point monitoring, change to calendar days for reporting, addition of a condition that was missing.	Changes incorporated into the licence.



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