



Mr Gordon Groth  
Environmental Operations Manager  
Water Corporation  
PO Box 100  
LEEDERVILLE WA 6902

Dear Mr Groth

**ENVIRONMENTAL PROTECTION ACT 1986: LICENCE GRANTED**

**Premises:**

Coral Bay Wastewater Treatment Plant  
Lyndon Location 169, Mauds Landing, CORAL BAY WA 6701  
**Licence Number:** L7927/2003/4

A licence under the *Environmental Protection Act 1986* (the Act) has been granted for the above premises. The Department of Environment Regulation will advertise the issuing of this licence in the public notices section of *The West Australian* newspaper.

The licence includes attached conditions. Under section 58(1) of the Act, it is an offence to contravene a condition of a licence. This offence carries a penalty of up to \$125,000 and a daily penalty of up to \$25,000.

In accordance with section 102(1)(c) of the Act, you have 21 days to appeal the conditions of the licence. Under section 102(3)(a) of the Act, any other person may also appeal the conditions of the licence. To lodge an appeal contact the Office of the Appeals Convenor on 6467 5190 or by email at [admin@appealsconvenor.wa.gov.au](mailto:admin@appealsconvenor.wa.gov.au).

Where a licence is issued for more than one year it requires payment of an annual fee and will cease to have effect if the fee is unpaid. It is the occupier's responsibility to lodge a fee application and pay the annual fee in sufficient time to avoid incurring a late payment fee and for processing to be completed before the licence anniversary date.

If you have any queries regarding the above information, please contact Rachel Vukmirovic on (08) 9964 0901.

Yours sincerely

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

14 May 2015



# Licence

## *Environmental Protection Act 1986, Part V*

**Licensee:** Water Corporation

**Licence:** L7927/2003/4

**Registered office:** 629 Newcastle Street  
LEEDERVILLE WA 6007

**Premises address:** Coral Bay Wastewater Treatment Plant  
Lyndon Location 169  
Mauds Landing  
CORAL BAY WA 6701  
Being Lot 318 on Plan 40837 as depicted in Schedule 1

**Issue date:** Thursday, 14 May 2015

**Commencement date:** Sunday, 24 May 2015

**Expiry date:** Saturday, 23 May 2020


**Prescribed premises category**

Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
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.	100 cubic metres or more per day	720 cubic metres per day

**Conditions**

This licence is subject to the conditions set out in the attached pages.

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



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## Introduction

This Introduction is not part of the Licence conditions.

### DER's industry licensing role

The Department of Environment Regulation (DER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DER works with the business owners, community, consultants, industry and other representatives to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

### Licence requirements

This Licence is issued under Part V of the Act. Conditions contained within the Licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the Licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link: <http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* – these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- *Environmental Protection (Controlled Waste) Regulations 2004* - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your Licence. Non-compliance with your Licence is an offence and strict penalties exist for those who do not comply.





Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

Other Guidelines which you should be aware of include:

- *Western Australian Guidelines for Biosolids Management*, Department of Environment and Conservation, December 2012 (as amended from time to time).

#### Licence fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

#### Ministerial conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.

#### Premises description and Licence summary

The Coral Bay Wastewater Treatment Plant (WWTP) is located approximately 2.5 kilometres (km) to the east of the Coral Bay town site. The closest residential receptor is located within the town site. The WWTP is surrounded by vacant land and is located approximately 3.5 km from the Indian Ocean. Onsite bores indicate a depth to groundwater from top of casing to be between 9.5 to 12 metres.

The Coral Bay WWTP is designed to service a nominal population of approximately 3 600 and services a fluctuating tourist population. The average daily inflow to the plant during the 2013/2014 reporting period was 217.1 cubic metres.

The Coral Bay WWTP treats wastewater to a secondary standard and consists of one primary pond, one secondary pond and one evaporation pond. All ponds have lining systems in place, therefore there are no wastewater discharges to the environment.

The WWTP is located approximately 3km to the north-east of the Water Corporation water supply bore. The bore intercepts the underlying aquifer at a depth of about 800m. The confined nature of the aquifer provides a high level of water quality protection.

The main potential emissions from the site are fugitive in the form of odour. Given the remoteness of the site from sensitive receptors, odour emissions are considered low risk, however odour emissions are managed by the ongoing operation, maintenance and desludging of the ponds.

This Licence is the successor to licence L7927/2003/3 and has been converted to a new format REFIRE licence. The licences and works approvals issued for the Premises since 25/05/2004 are:

Instrument log		
Instrument	Issued	Description
L7927/2003/1	24/05/2004	New licence
L7927/2003/2	6/05/2005	Licence reissue
L7927/2003/3	20/05/2010	Licence reissue
L7927/2003/4	14/05/2015	Licence reissue and conversion to REFIRE format

#### Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION



## Licence conditions

### 1 General

#### 1.1 Interpretation

1.1.1 In the Licence, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 For the purposes of this Licence, unless the contrary intention appears:

**'Act'** means the *Environmental Protection Act 1986*;

**'AHD'** means the Australian height datum;

**'annual period'** means the inclusive period from 1 July until 30 June in the following year;

**'AS/NZS 5667.1'** means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

**'AS/NZS 5667.10'** means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

**'AS/NZS 5667.11'** means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*;

**'averaging period'** means the time over which a limit or target is measured or a monitoring result is obtained;

**'CEO'** means Chief Executive Officer of the Department of Environment Regulation;

**'CEO'** for the purpose of correspondence means:

Manager Licensing (Waste North)  
Department of Environment Regulation  
Locked Bag 33 Cloisters Square  
PERTH WA 6850  
Telephone: (08) 9333 7510  
Facsimile: (08) 9333 7550  
Email: [industry.regulation@der.wa.gov.au](mailto:industry.regulation@der.wa.gov.au);

**'code of practice for the storage and handling of dangerous goods'** means document titled "Storage and handling of dangerous goods: Code of Practice" published by the Department of Mines and Petroleum, as amended from time to time;

**'controlled waste'** has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*;

**'dangerous goods'** has the meaning defined in the *Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007*;

**'environmentally hazardous material'** means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm. Note: Environmentally hazardous materials include dangerous goods where they are stored in quantities below placard quantities. The storage of dangerous goods above placard quantities is regulated by the Department of Mines and Petroleum;





**'freeboard'** means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;

**'fugitive emissions'** means all emissions not arising from point sources identified in Sections 2.2, 2.3, 2.4 and 2.5;

**'Geobag'** means a geotextile dewatering bag that allows solids to dewater over time while containing the solid component;

**'hardstand'** means a surface with a permeability of  $10^{-9}$  metres/second or less;

**'leachate'** means liquid released by or water that has percolated through waste and which contains some of its constituents;

**'Licence'** means this Licence numbered L7927/2003/4 and issued under the Act;

**'Licensee'** means the person or organisation named as Licensee on page 1 of the Licence;

**'NATA'** means the National Association of Testing Authorities, Australia;

**'NATA accredited'** means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;

**'Premises'** means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Licence;

**'process equipment'** means any wastewater or sludge containment infrastructure or wastewater treatment vessel;

**'Schedule 1'** means Schedule 1 of this Licence unless otherwise stated;

**'Schedule 2'** means Schedule 2 of this Licence unless otherwise stated;

**'six monthly'** means the 2 inclusive periods from 1 July to 31 December and 1 January to 30 June in the following year;

**'spot sample'** means a discrete sample representative at the time and place at which the sample is taken;

**'usual working day'** means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia; and

**'Waste Code'** means the Waste Code assigned to a type of controlled waste for purposes of waste tracking and reporting as specified in the Department of Environment Regulation "Controlled Waste Category List" (July 2014), as amended from time to time.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this Licence.

1.1.4 Any reference to a guideline or code of practice in the Licence means the current version of the guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guidelines or code of practice made during the term of this Licence.

## 1.2 General conditions

1.2.1 Nothing in the Licence shall be taken to authorise any emission that is not mentioned in the Licence, where the emission amounts to:

- (a) pollution;
- (b) unreasonable emission;
- (c) discharge of waste in circumstances likely to cause pollution; or



(d) being contrary to any written law.

- 1.2.2 The Licensee shall operate and maintain all pollution control and monitoring equipment to the manufacturer's specification or any relevant and effective internal management system.
- 1.2.3 The Licensee, except where storage is prescribed in section 1.3, shall ensure that environmentally hazardous substances are stored in accordance with the code of practice for the storage and handling of dangerous goods.
- 1.2.4 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.
- 1.2.5 The Licensee shall:
- (a) implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises; and
  - (b) treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises.<sup>1</sup>

Note1: The *Environmental Protection (Unauthorised Discharges) Regulations 2004* make it an offence to discharge certain materials into the environment.

### 1.3 Premises operation

- 1.3.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit, and/or target in this section.
- 1.3.2 The Licensee shall only allow waste to be accepted on to the Premises if:
- (a) it is of a type listed in Table 1.3.1; and
  - (b) the quantity accepted is below any limit listed in Table 1.3.1; and
  - (c) it meets any specification listed in Table 1.3.1.

**Table 1.3.1: Waste acceptance**

Waste	Waste Code	Quantity Limit	Specification <sup>1</sup>
<b>Putrescible and Organic wastes</b>			
Sewage	N/A	720 m <sup>3</sup> /day	Accepted through sewer inflow(s) and tankered waste only

Note 1: Additional requirements for the acceptance of controlled waste are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

- 1.3.3 The Licensee shall ensure that the wastes accepted onto the Premises are only subjected to the process(es) set out in Table 1.3.2 and in accordance with any process requirements described in that table.

**Table 1.3.2: Waste processing**

Waste type	Process	Process requirements
Sewage waste	Physical and biological treatment	Treatment of sewage waste shall be targeted at or below the treatment capacity of 720 m <sup>3</sup> /day
Sewage sludge	Storage prior to disposal	Collected leachate to be returned to treatment ponds  Sludge to be disposed of at an appropriate disposal facility

- 1.3.4 The Licensee shall ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 1.3.3.





**Table 1.3.3: Containment infrastructure**

Vessel or compound	Material	Requirements
Inlet works	Wastewater	Not specified
Pond 1 – Facultative	Wastewater	Clay synthetic lined to achieve a permeability of $10^{-9}$ m/s or less
Pond 2 – Maturation	Wastewater	Clay synthetic lined to achieve a permeability of $10^{-9}$ m/s or less
Pond 3 – Evaporation	Treated Wastewater	Clay synthetic lined to achieve a permeability of $10^{-9}$ m/s or less
Sewage sludge compound	Sewage sludge	Temporary or permanent infrastructure to consist of a bunded hardstand or lined area capable of preventing surface run-off of leachate and sludge and which includes a leachate collection system

1.3.5 The Licensee shall manage all wastewater treatment and evaporation ponds such that:

- (a) overtopping of the ponds does not occur; and
- (b) a freeboard equal to, or greater than, 300mm is targeted;
- (c) the integrity of the containment infrastructure is maintained; and
- (d) trapped overflows are maintained on the outlet of ponds to prevent carry-over of surface floating matter; and
- (e) vegetation and floating debris (emergent or otherwise) is prevented from encroaching onto pond surfaces or inner pond embankments.

1.3.6 The Licensee shall:

- (a) implement security measures at the site to prevent as far as is practical unauthorised access to the site; and
- (b) undertake regular inspections of all security measures and repair damage as soon as practicable; and
- (c) ensure the entrance gates are closed and locked when the site is closed or unmanned.





## **2 Emissions**

### **2.1 General**

- 2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit or target specified in any part of section 2 of this Licence.

### **2.2-2.4 Point source emissions to air, surface water and groundwater**

There are no specified conditions relating to point source emissions to air, surface water or groundwater in this section.

### **2.5 Emissions to land**

There are no specified conditions relating to emissions to land in this section.

### **2.6 Fugitive emissions**

There are no specified conditions relating to fugitive emissions in this section.

### **2.7 Odour**

- 2.7.1 The Licensee shall ensure that odour emitted from the Premises does not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person who is not on the Premises.

### **2.8 Noise**

There are no specified conditions relating to noise in this section.



## 3 Monitoring

### 3.1 General monitoring

#### 3.1.1 The licensee shall ensure that:

- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
- (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
- (c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
- (d) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.

#### 3.1.2 The Licensee shall ensure that six monthly monitoring is undertaken at least 5 months apart.

#### 3.1.3 The Licensee shall ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications.

#### 3.1.4 The Licensee shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

### 3.2-3.4 Monitoring of point source emissions to air, surface water and groundwater

There are no specified conditions relating to monitoring of point source emissions to air, surface water or groundwater in this section.

### 3.5 Monitoring of emission to land

There are no specified conditions relating to monitoring of emissions to land in this section.

### 3.6 Monitoring of inputs and outputs

#### 3.6.1 The Licensee shall undertake the monitoring in Table 3.6.1 according to the specifications in that table.

Table 3.6.1: Monitoring of inputs and outputs					
Input/Output	Monitoring point reference	Parameter	Units	Averaging period	Frequency
Sewage - Inlet Flow	Inflow meter (M1)	Volumetric flow rate (cumulative)	m <sup>3</sup> /day	Monthly	Continuous

### 3.7 Process monitoring

There are no specified conditions relating to process monitoring in this section.

### 3.8 Ambient environmental quality monitoring

#### 3.8.1 The Licensee shall undertake the monitoring in Table 3.8.1 according to the specifications in that table and record and investigate results that do not meet any target specified.





**Table 3.8.1: Monitoring of ambient groundwater quality**

Monitoring point reference and location	Parameter	Units	Averaging period	Frequency
MB1 MB2 MB3	Standing water level <sup>1</sup>	m(AHD) mBGL	Spot sample	Six monthly
	pH <sup>1</sup>	-		
	Total Dissolved Solids	mg/L		
	Total Nitrogen	mg/L		
	Total Phosphorus	mg/L		

Note 1: In-field non-NATA accredited analysis permitted.

### **3.9 Meteorological monitoring**

There are no specified conditions relating to meteorological monitoring in this section.



## **4 Improvements**

There are no specified improvement conditions in this section.

## **5 Information**

### **5.1 Records**

5.1.1 All information and records required by the Licence shall:

- (a) be legible;
- (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
- (c) except for records listed in 5.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
- (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
  - (i) off-site environmental effects; or
  - (ii) matters which affect the condition of the land or waters.

5.1.2 The Licensee shall ensure that:

- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
- (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.

5.1.3 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.

5.1.4 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

### **5.2 Reporting**

5.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 63 calendar days after the end of the annual period. The report shall contain the information listed in Table 5.2.1 in the format or form specified in that table.





Table 5.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form <sup>1</sup>
-	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	None specified
Table 1.3.1	Summary of any treatment capacity target exceedances and any action taken.	None specified
1.3.5	Summary of any freeboard target exceedances and any action taken	None specified
Table 3.6.1	Monitoring of inputs and outputs	None specified
	Methodology and calculations used to estimate the daily volumetric flow rate of treated wastewater pumped to evaporation basins and results of those calculations	None specified
Table 3.8.1	Monitoring of ambient groundwater quality	AGWQ1
5.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

5.2.2 The Licensee shall submit the information in Table 5.2.2 to the CEO at the Contact Address according to the specifications in that table.

Table 5.2.2: Non-annual reporting requirements				
Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form
-	Copies of original monitoring reports submitted to the Licensee by third parties	Not Applicable	Within 14 days of the CEOs request	As received by the Licensee from third parties

### 5.3 Notification

5.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the CEO at the Contact Address and in accordance with the notification requirements of the table.



**Table 5.3.1: Notification requirements**

Condition or table (if relevant)	Parameter	Notification requirement <sup>1</sup>	Format or form <sup>2</sup>
-	Taking process equipment offline for maintenance works that may result in increased odour emissions	No less than 72 hours in advance of works	None specified
-	Removal of sewage sludge from a treatment pond, wastewater treatment vessel, sewage sludge storage pond or Geobag	No less than 14 days in advance of works <sup>3</sup>	
1.3.1 and 2.1.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next working day  Part B: As soon as practicable	N1
-	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution		
3.1.4	Calibration report	As soon as practicable	None specified

Note 1: No notification requirement in the Licence shall negate the requirement to comply with s72 of the Act.

Note 2: Forms are in Schedule 2

Note 3: The following information shall be included: (i) when desludging is proposed to occur, (ii) the desludging method, (iii) action to mitigate potential odour impacts, and (iv) the method by which the community will be advised of the desludging activities.





## Schedule 1: Maps

### Premises map

The Premises is shown in the map below. The red line depicts the Premises boundary.







### Map of monitoring locations

The locations of the monitoring points defined in Tables 3.6.1 and 3.8.1 are shown below.





## Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

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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:





## 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:



## 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)



Licence: L7927/2003/4  
Form: AGWQ1  
Name: Ambient groundwater quality monitoring

Licensee: Water Corporation  
Period :

Form AGWQ1: Monitoring of ambient groundwater quality					
Emission points	Parameter	Result	Averaging period	Method	Sample date & times
MB1 MB2 MB3	Standing water level	m(AHD) mBGL			
	pH	-			
	Total Dissolved Solids	mg/L			
	Total Nitrogen	mg/L			
	Total Phosphorus	mg/L			

Signed on behalf of Water Corporation: .....

Date: .....





Government of Western Australia  
Department of Environment Regulation

Licence: L7927/2003/4  
Form: N1

Licensee: Water Corporation  
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	Water Corporation
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	



# Decision Document

## *Environmental Protection Act 1986, Part V*

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**Proponent:**     **Water Corporation**

**Licence:**        **L7927/2003/4**

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**Registered office:**     629 Newcastle Street  
LEEDERVILLE WA 6007

**Premises address:**     Coral Bay Wastewater Treatment Plant  
Lyndon Location 169  
Mauds Landing  
CORAL BAY 6701  
Being Lot 318 on Plan 40837

**Issue date:**            Thursday, 14 May 2015

**Commencement date:**   Sunday, 24 May 2015

**Expiry date:**           Saturday, 23 May 2020

### **Decision**

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue a 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:

Rachel Vukmirovic  
Licensing Officer

Decision Document authorised by:

Alan Kietzmann  
Acting 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 checked="" type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	54	720 m <sup>3</sup> /day
Application verified	Date: 5/03/2015	
Application fee paid	Date: 24/03/2015	
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 <sub>2</sub> requirements of Kwinana EPP.		



### **3 Executive summary of proposal and assessment**

The Coral Bay Wastewater Treatment Plant (WWTP) is located approximately 2.5 kilometres (km) to the east of the Coral Bay town site. The closest residential receptor is located within the town site. The WWTP is surrounded by vacant land and is located approximately 3.5 km from the Indian Ocean. Onsite bores indicate a depth to groundwater from top of casing to be between 9.5 to 12 metres.

The Coral Bay WWTP is designed to service a nominal population of approximately 3 600 and services a fluctuating tourist population. The average daily inflow to the plant during the 2013/2014 reporting period was 217.1 cubic metres.

The Coral Bay WWTP treats wastewater to a secondary standard and consists of one primary pond, one secondary pond and one evaporation pond. All ponds have lining systems in place, therefore there are no wastewater discharges to the environment.

The WWTP is located approximately 3km to the north-east of the Water Corporation water supply bore. The bore intercepts the underlying aquifer at a depth of about 800m. The confined nature of the aquifer provides a high level of water quality protection.

The main potential emissions from the site are fugitive in the form of odour. Given the remoteness of the site from sensitive receptors, odour emissions are considered low risk, however odour emissions are managed by the ongoing operation, maintenance and desludging of the ponds.

This reissued licence is the successor to licence L7927/2003/3 and has been converted to a new REFIRE licence.





## 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	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	L1.2.5	OSC	OSC1.2.5 has replaced condition W1(i) in the previous licence and requires measures to prevent the contamination of stormwater runoff, and treat contaminated or potentially contaminated stormwater prior to being discharged.	General provisions of the <i>Environmental Protection Act 1986</i>  <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Premises operation	L1.3.1-1.3.6	OSC	OSC1.3.1 has been included as a requirement to record exceedances of any premises operation target or limit exceedances. Targets and limits have been set through conditions OSC1.3.2, table 1.3.1 and OSC1.3.5(b) in this section.  OSC1.3.2-1.3.4 have been included to describe the waste acceptance, processing and containment infrastructure at the premises.  OSC1.3.6 has been included as a requirement to ensure the site is secure.  <u>Emission Description</u> <i>Emission:</i> Discharge of untreated or partially treated effluent due to overtopping of wastewater treatment ponds, seepage from base of ponds or accidental spillage. Uncontrolled emission of treated wastewater through overtopping of evaporation pond or seepage from base of pond. Infiltration of wastewater to	General provisions of the <i>Environmental Protection Act 1986</i>  <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>

		<p><b><u>Risk Assessment</u></b>  <i>Consequences:</i> Minor  <i>Likelihood:</i> Unlikely  <i>Risk rating:</i> Moderate</p> <p><b><u>Regulatory Controls</u></b>          OSC1.3.5 is replacing condition W1(ii)-(iv) in the previous licence. Freeboard of 300mm or greater is targeted for the ponds. The primary, secondary and evaporation ponds are to be lined with a permeability of <math>10^{-9}</math> m/s or less.</p> <p><b><u>Residual Risk</u></b>  <i>Consequences:</i> Minor  <i>Likelihood:</i> Unlikely  <i>Risk rating:</i> Moderate</p>	
	OSC	Descriptive limits will be set through condition 2.7.1 of the licence and therefore OSC2.1.1 regarding recording and investigation of exceedances of limits or targets has been included.	<p>General provisions of the <i>Environmental Protection Act 1986</i></p> <p><i>Environmental Protection (Unauthorised</i></p>



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
				<i>Discharges) Regulations 2004</i>
Point source emissions to air including monitoring	L2.2 and L3.2	N/A	There are no point source emissions to air from the premises that require regulation through this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i>  <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Point source emissions to surface water including monitoring	L2.3 and L3.3	N/A	There are no point source emissions to surface water from the premises that require regulation through this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i>  <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Point source emissions to groundwater including monitoring	L2.4 and L3.4	N/A	There are no point source emissions to groundwater from the premises that require regulation through this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i>  <i>Environmental Protection</i>



			<i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
	N/A	Fugitive emissions have not been reassessed as part of this reissue. There are no specified conditions relating to fugitive emissions in this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i>  <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
	OSC	<b><u>Emission description</u></b> <i>Emission:</i> Odour from WWTP processes (WWTP within 2.5 km of the Coral Bay town site). <i>Impact:</i> Nuisance odour (diffuse odours are common from WWTP ponds). <i>Controls:</i> Regular maintenance and desludging of ponds. No complaints have been received.	General provisions of the <i>Environmental Protection Act 1986</i>  <i>Environmental</i>

		<b>Residual Risk</b> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk rating:</i> Moderate	
	N/A	Noise emissions have not been reassessed as part of this reissue. There are no specified conditions relating to noise in this section, SC1.2.1 and the <i>Environmental Protection (Noise) Regulations 1997</i> apply.	<i>Environmental Protection (Noise) Regulations 1997</i>  General provisions of the <i>Environmental Protection Act 1986</i>
	OSC	OSC3.1.1 has replaced conditions W5(a) and W5(b) in the previous licence. OSC3.1.2-3.1.4 have been included as additional explanatory conditions. Note: The requirement in condition W5(b) in the previous licence for analysis in accordance with APHA-AWWA-WEF is not reflected in this reissue as this is no longer a DER requirement.	General provisions of the <i>Environmental Protection Act 1986</i>
	OSC	OSC3.6.1 and table 3.6.1 have replaced condition W3 in the previous licence. There is a requirement to measure cumulative volumes of effluent to the treatment plant. This is necessary for the comparison with the daily sewage treatment target volume.	General provisions of the <i>Environmental Protection Act</i>

		information in table 3.8.1. Table 3.8.1 details the monitoring parameters for ambient groundwater monitoring. The parameters listed and the frequency of monitoring are the same as in the previous licence. OSC3.8.1 and table 3.8.1 replace condition W4 in the previous licence.	<i>Environmental Protection Act 1986</i>
	N/A	Meteorological monitoring was not a requirement of the previous licence. There are no specified conditions relating to meteorological monitoring in the reissued licence.	NA
	N/A	No improvement conditions have been included in the licence reissue.	NA
		SC5.1.3 replaces condition G1(b) in the previous licence. SC5.2.1 and table 5.2.1 have replaced condition G1(a) in the previous licence. Additional standard reporting requirements are listed in table 5.2.1. SC5.2.2 and table 5.2.2 have been included as a requirement to keep original monitoring reports. SC5.3.1 replaces condition W2 and S2(b) in the previous licence. Additional standard notification requirements are specified in table 5.3.1. Note: The obligations of conditions S1 and S2(a) are requirements of additional statutory instruments and guidelines that are referenced in the introduction section of the licence.	General provisions of the <i>Environmental Protection Act 1986</i>
	N/A	The licence is recommended for a five year period in accordance with standard DER procedure. There are no factors that warrant the limiting of the duration of this licence.	NA





## 5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
30/03/2015	Application advertised in West Australian (or other relevant newspaper)	Nil comments received	N/A
24/04/2015/	Proponent sent a copy of draft instrument	Comments received 8/05/2015	Minor change to Table 1.3.3 as no screen or grit removal facility on site



## 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