



# Licence

## *Environmental Protection Act 1986, Part V*

**Licensee:**           **Discovery Parks Onslow Pty Limited**

**Licence:**           **L9174/2018/1**

**Registered office:**   Level 2  
                                   157 Grenfell St  
                                   ADELAIDE SA 5000

**ACN:**                   163 484 937

**Premises address:**   Beadon Bay Caravan Park  
                                   Lots 555 and 556 on Plan 181876 and Lot 557 on Plan 173181  
                                   ONSLOW WA 6710

**Issue date:**           18 January 2019

**Expiry date:**         17 January 2025

**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
85	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.	More than 20 but less than 100 cubic metres per day	90 cubic metres per day

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

.....  
 Steve Checker  
 Manager Waste Industries  
 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.

### The DWER's industry licensing role

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

The DWER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process the DWER regulates prevent, control and abate pollution and environmental harm to conserve and protect the environment. The DWER 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**

Discovery Parks Onslow Pty Limited (Discovery Parks Onslow) operate a Wastewater Treatment Plant (WWTP) servicing the Beadon Bay Caravan Park in the Town of Onslow. The maximum capacity of the WWTP is 90m<sup>3</sup>/day, which meets the requirements for a category 85 registration, however, due to the sensitivity of the receiving environment the proponent has applied for a licence.

The WWTP includes two 45m<sup>3</sup>/day systems each containing the following:

- A 32 kilolitre (kL) balance tank;
- A 45,000 litre (L) Submerged Aeration Filter (SAF) treatment system including balance and primary compartments, anaerobic, aerobic and anoxic compartments, clarifier and disinfection system;
- Media filtration;
- Ultra filtration system; and
- Two 32kL treated water storage tanks.

Treated water from the WWTP is either recycled onsite for use in laundries and ablutions, disposed of via irrigation for landscaping, or to a designated irrigation field. Use of the WWTP is only expected to be temporary pending the connection of the Caravan Park to Water Corporation's sewer system. Discovery Parks Onslow is currently in negotiations with Water Corporation regarding this matter.

The main emissions from the WWTP are emissions to land through the irrigation of treated wastewater (TWW) to the onsite irrigation field which potentially may infiltrate to groundwater. The irrigation field is open access, however, signs are erected notifying residents that recycled water is used.



This Licence is for the operation of the facility established under works approval W5567/2013/1. The licences and works approvals issued for the Premises are:

Instrument log		
Instrument	Issued	Description
W5567/2013/1	06/02/2014	Works Approval for the construction of the WWTP
L8884/2015/1	10/12/2015	Licence issued for the operation of the WWTP
L8884/2015/1	Ceased	Licence ceased on non-payment
L9174/2018/1	18/01/2019	Replacement licence issued under the EP Act 1986.

### 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:

‘**AACR**’ means Annual Audit Compliance Report, the template of which can be found on the DWER’s website [www.dwer.wa.gov.au](http://www.dwer.wa.gov.au)

‘**Act**’ means the *Environmental Protection Act 1986*;

‘**AHD**’ means the Australian height datum;

‘**annual period**’ means the inclusive period from 1 January until 31 December each 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 Water and Environmental Regulation;

‘**CEO**’ for the purpose of correspondence means:

Chief Executive Officer  
Department of Water and Environmental Regulation  
Locked Bag 33  
CLOISTERS SQUARE WA 6850  
Email: [info@dwer.wa.gov.au](mailto:info@dwer.wa.gov.au)

‘**controlled waste**’ has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*.

‘**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 L9174/2018/1 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;

**'normal operating conditions'** means any operation of a particular process (including abatement equipment) excluding start-up, shut-down and upset conditions, in relation to stack sampling or monitoring;

**'Nutrient Irrigation Management Plan'** means document titled "Beadon Bay Caravan Park, Onslow, Western Australia Nutrient and Irrigation Management Plan" dated 24 April 2015.

**'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;

**'quarterly'** means the 4 inclusive periods from , 1 January to 31 March, 1 April to 30 June, 1 July to 30 September and 1 October to 31 December in the same year

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

**'shut-down'** means the period when plant or equipment is brought from normal operating conditions to inactivity;

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

**'start-up'** means the period when plant or equipment is brought from inactivity to normal operating conditions;

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

**'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;

**'wastewater treatment vessels'** means any vessel or tank containment infrastructure associated with the treatment of wastewater; and

**'µS/cm'** means micro-Siemens per centimetre.



- 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.
- 1.1.5 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 General conditions

- 1.2.1 The Licensee shall operate and maintain the waste water treatment and disposal system including all alarms, tanks, filtration systems, subsurface moisture probes and the Magflow output meter in accordance with manufacturer's specifications.
- 1.2.2 The Licensee shall immediately recover, or remove and dispose of spills of chlorine, alum, sewage, partially treated sewage and/or sewage sludge associated with the treatment of sewage onsite where the spill occurs or migrates outside of an engineered containment system.

## 1.3 Premises operation

- 1.3.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit 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	90m <sup>3</sup> /day	Accepted through sewer inflow(s) 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	Biological and chemical treatment	Treatment of sewage waste shall be at or below the treatment capacity of 90 m <sup>3</sup> /day.

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
Balance Tank 1, 2 &3	Wastewater	Impermeable receptacle or storage chamber
SAF treatment system	Wastewater	Impermeable receptacle or storage chamber
Treated Water Storage Tanks 1, 2 & 3	Treated Wastewater	Impermeable receptacle or storage chamber
A+ Treated Wastewater Storage Tanks	Treated Wastewater	Impermeable receptacle or storage chamber

1.3.5 The Licensee shall manage the irrigation of treated wastewater such that:

- (a) no irrigation generated run-off or discharge occurs beyond the boundary of the defined irrigation area(s);
- (b) treated wastewater is evenly distributed over the irrigation area;
- (c) no soil erosion occurs;
- (d) irrigation does not occur on land that is waterlogged; and
- (e) vegetation cover is maintained over the irrigation area.

1.3.6 The Licensee shall manage the wastewater treatment vessels such that:

- (a) overtopping of the vessels does not occur;
- (b) stormwater runoff is prevented from entering the vessels; and
- (c) there is no discernible seepage loss from the vessels.

1.3.7 The Licensee shall ensure that irrigation is conducted in accordance with the Nutrient Irrigation Management Plan.

## 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 Emissions to land

2.2.1 The Licensee shall ensure that where waste is emitted to land from the emission points in Table 2.2.1 [and identified on the map of emission points in Schedule 1] it is done so in accordance with the conditions of this Licence.

<b>Table 2.2.1: Emissions to land</b>			
<b>Emission point reference [and location on Map of emission points]</b>	<b>Emission point reference on Map of emission points</b>	<b>Description</b>	<b>Source including abatement</b>
Purple shaded areas of emissions to land map (Schedule 1)	On-site irrigation area	Discharge from sub-surface drip irrigation pump system to on-site irrigation area	Treated wastewater pumped from Treated Water Storage Tanks
Green shaded areas of emissions to land map (Schedule 1)	Designated gardened areas	Discharge from sub-surface drip irrigation pump system designated gardened areas	Treated wastewater pumped from Treated Water Storage Tanks

2.2.2 The Licensee shall not cause or allow emissions to land greater than the limits listed in Table 2.2.2.

<b>Table 2.2.2: Emission limits to land</b>			
<b>Emission point reference</b>	<b>Parameter</b>	<b>Limit (including units)</b>	<b>Averaging period</b>
L1	Load of Total Phosphorus	<50 kg/ha/yr	Annual
	Load of Total Nitrogen	<300 kg/ha/yr	Annual

## 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; and
- (c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11;

3.1.2 The Licensee shall ensure that quarterly monitoring is undertaken at least 45 days apart;

### 3.2 Monitoring of emissions to land

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



3.2.1 The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.

Table 3.2.1: Monitoring of emissions to land				
Emission point reference	Monitoring point reference	Parameter	Units	Frequency
L1	Magflow meter to irrigation areas and designated garden areas	Volumetric flow rate (cumulative) <sup>1</sup>	m <sup>3</sup> /day	Continuous
		pH <sup>1</sup>	pH units	
		Biochemical Oxygen Demand	mg/L	Quarterly
		Total Dissolved Solids		
		Total Suspended Solids		
		Total Nitrogen		
		Total Phosphorus	cfu/100 mL	Annual
		<i>E.coli</i>		
		Load of Total Nitrogen		
Load of Total Phosphorus	kg/ha/yr			

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

### 3.3 Monitoring of inputs and outputs

3.3.1 The Licensee shall undertake the monitoring in Table 3.3.1 according to the specifications in that table.

Table 3.3.1: Monitoring of inputs and outputs					
Input/ Output	Monitoring point reference	Parameter	Units	Averaging period	Frequency
Treated wastewater discharged to on-site irrigation area and designated garden areas.	Outflow meter (M1)	Volumetric flow rate (cumulative)	m <sup>3</sup> /day	Monthly	Continuous

### 3.4 Process Monitoring

3.4.1 The Licensee shall undertake the monitoring in Table 3.4.1 according to the specifications in that table.

Table 3.4.1: Leachate monitoring				
Monitoring point reference	Parameter	Units	Averaging period	Frequency
P1 – subsoil monitoring drain	pH	pH units	Spot sample	Quarterly
	Total organic carbon	mg/L		
	Total nitrogen			
	Total phosphorus			
	Total dissolved solids			



### 3.5 Ambient environmental quality monitoring

3.5.1 The Licensee shall undertake the monitoring in Table 3.5.1 according to the specifications in that table and record and investigate results that do not meet any target specified.

<b>Table 3.5.1: Monitoring of ambient groundwater quality</b>				
<b>Monitoring point reference and location</b>	<b>Parameter</b>	<b>Units</b>	<b>Averaging period</b>	<b>Frequency</b>
MB 01 – MB 04	Standing water level <sup>1</sup>	m(AHD) mBGL	Spot sample	Quarterly
	pH <sup>1</sup>	pH units		
	Electrical conductivity <sup>1</sup>	µS/cm		
	Total Dissolved Solids	mg/L		
	Total Nitrogen			
	Total Phosphorus			
	Total organic carbon			
	Ammonium Nitrogen			
	Nitrate + Nitrite Nitrogen			
	Chloride			
	Sulphate			
	Inorganic nitrogen			
	Reactive phosphorus			
	Turbidity	NTU		

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



## **4 Information**

### **4.1 Records**

4.1.1 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 4.1.1(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.

4.1.2 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.

4.1.3 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.

4.1.4 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.



## 4.2 Reporting

4.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 60 calendar days after the end of the annual period. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

<b>Table 4.2.1: Annual Environmental Report</b>		
<b>Condition or table (if relevant)</b>	<b>Parameter</b>	<b>Format or form</b>
-	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 1.3.2	Summary of any waste acceptance capacity limit exceedances and any action taken	None specified
Table 3.2.1	Monitoring of emissions to land	Tabular form
Table 3.3.1	Monitoring of inputs and outputs	Tabular form
Table 3.4.1	Monitoring of subsoil monitoring drain	Tabular form
Table 3.5.1	Monitoring of ambient groundwater quality	Tabular form
4.1.3	Compliance	Annual Audit Compliance Report (AACR) – a template is available on DWER website
4.1.4	Complaints summary	None specified

4.2.2 The Licensee shall ensure that the Annual Environmental Report also contains an assessment of the information contained within the report against previous monitoring results and Licence limits and/or targets.

4.2.3 The Licensee shall submit the information in Table 4.2.2 to the CEO according to the specifications in that table.

<b>Table 4.2.2: Non-annual reporting requirements</b>				
<b>Condition or table (if relevant)</b>	<b>Parameter</b>	<b>Reporting period</b>	<b>Reporting date (after end of the reporting period)</b>	<b>Format or form<sup>1</sup></b>
-	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

Note 1: Forms are in Schedule 2

## 4.3 Notification



4.3.1 The Licensee shall ensure that the parameters listed in Table 4.3.1 are notified to the CEO in accordance with the notification requirements of the table.

<b>Table 4.3.1: Notification requirements</b>			
<b>Condition or table (if relevant)</b>	<b>Parameter</b>	<b>Notification requirement<sup>1</sup></b>	<b>Format or form<sup>2</sup></b>
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		
2.2.2	Breach of nutrient loading rate	No less than 72 hours after breach detected. Notification is to specify alternative methods for TWW disposal to be employed until the end of the annual period.	None specified
-	Alarm triggered for 2 <sup>nd</sup> (1200 mm depth) soil moisture probe	No less than 72 hours after event. Notification is to include confirmation of cessation of irrigation as per Nutrient Irrigation Management Plan (condition 1.3.7).	None specified

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

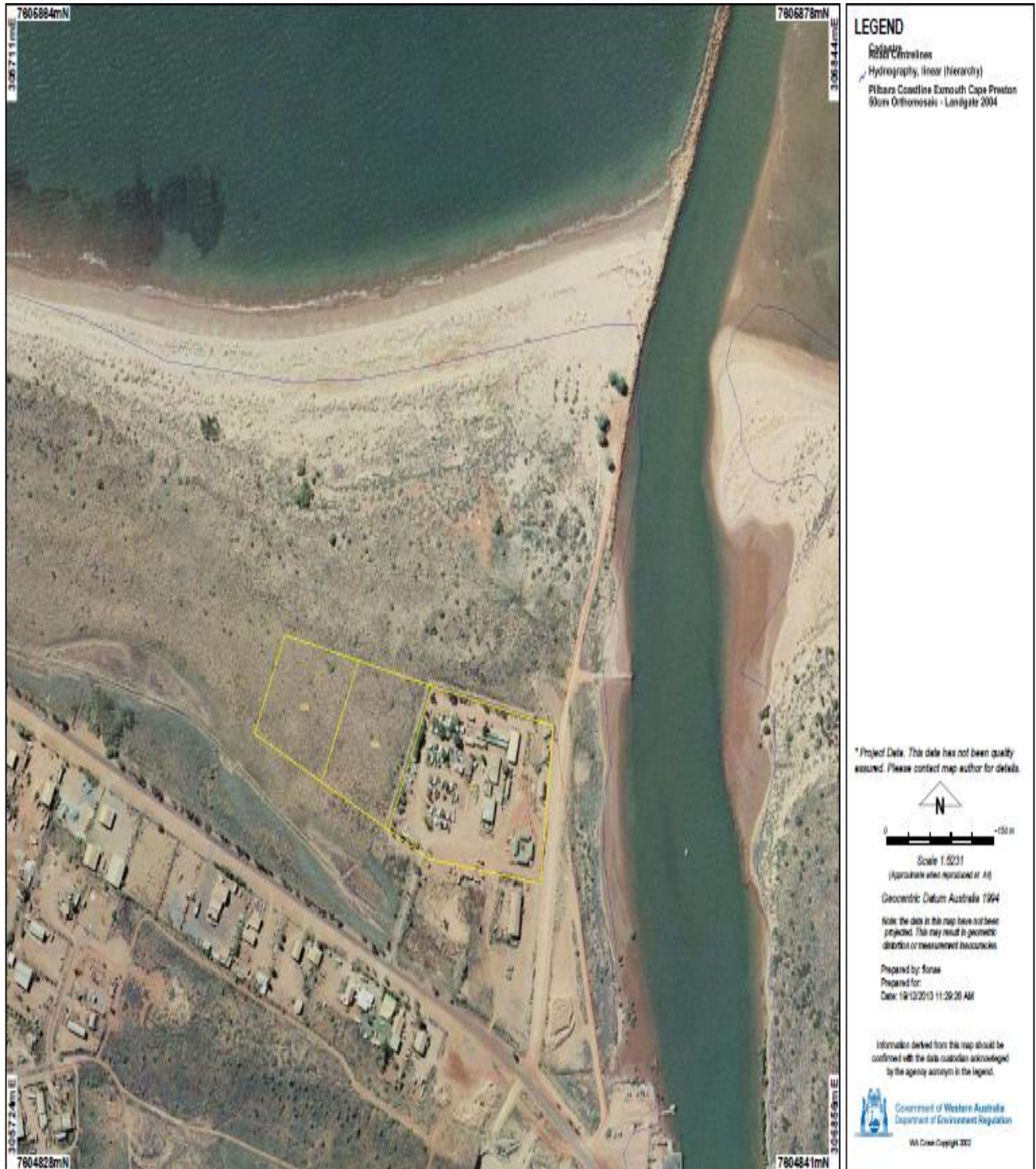
Note 2: Forms are in Schedule 2



## Schedule 1: Maps

### Premises map

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

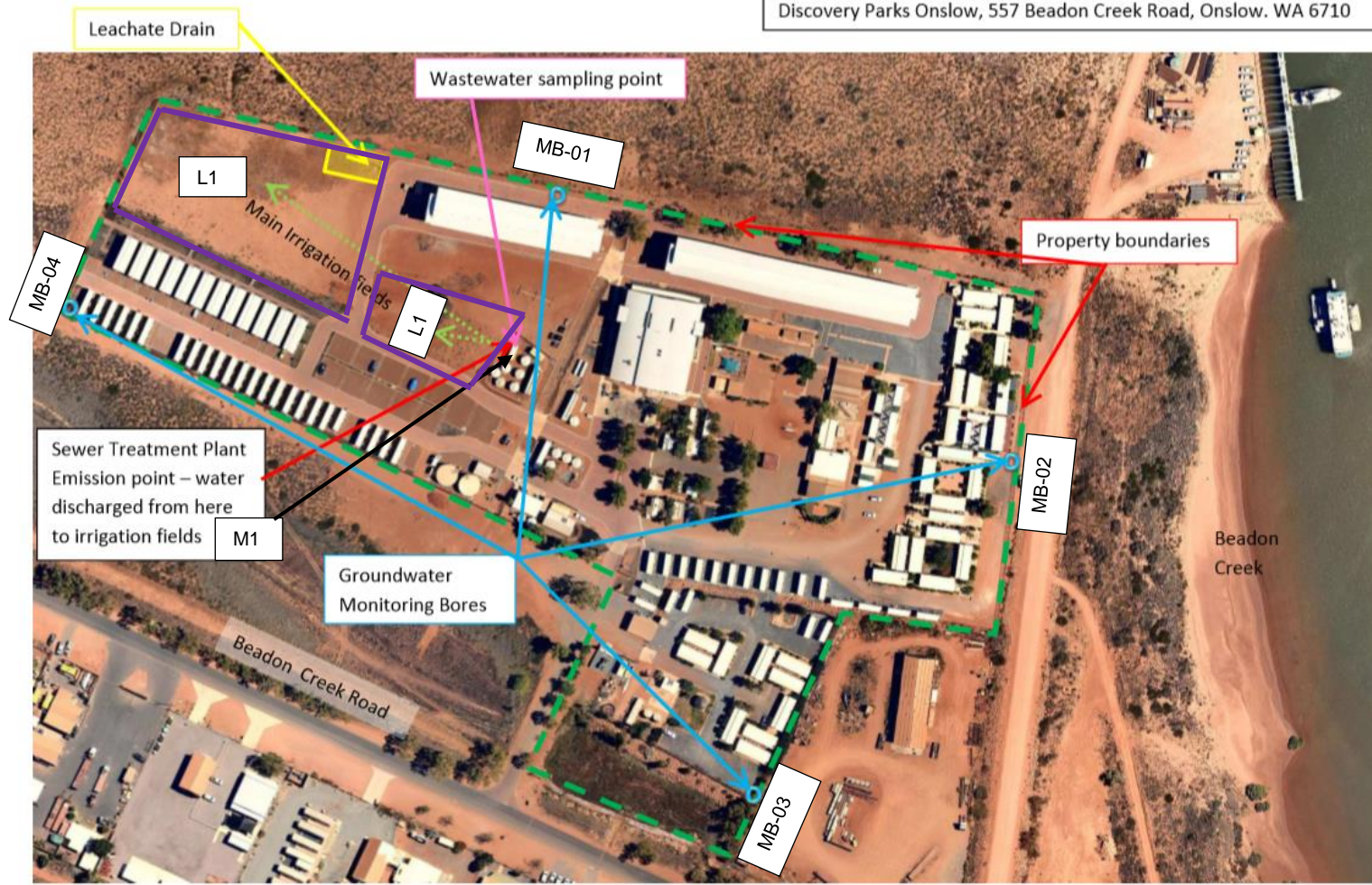




### Map of emission points

The locations of the emission points defined in Table 2.2.1 and the monitoring points defined in Table 3.4.1 are shown below.

Discovery Parks Onslow, 557 Beadon Creek Road, Onslow. WA 6710







Licence: L9174/2018/1  
 Form: N1

Licensee: Discovery Parks Onslow Pty Limited  
 Date of breach:

**Notification of detection of the breach of a limit.**

These pages outline the information that the operator must provide.  
 Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

**Part A**

Licence Number	
Name of operator	Discovery Parks Onslow Pty Limited
Location of Premises	
Time and date of the detection	

<b>Notification requirements for the breach of a limit</b>	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

**Part B**

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	



Government of **Western Australia**  
Department of **Water and Environmental Regulation**

Name	
Post	
Signature on behalf of Discovery Parks Onslow Pty Limited	
Date	