



# Licence

## *Environmental Protection Act 1986, Part V*

**Licensee:** RCMA Australia Pty Ltd

**Licence:** L8339/2009/3

**Registered office:** TMF Corporate Services (Aust) Pty Limited  
 C/- TMF  
 Level 16, 201 Elizabeth Street  
 SYDNEY NSW 2000

**ACN:** 612 244 827

**Premises address:** Jingemia Production Facility  
 Lot 12751 on Plan 37432  
 Mt Adams WA 6525 as depicted in Schedule 1

**Issue date:** 16 April 2015

**Commencement date:** 20 April 2015

**Expiry date:** 19 April 2030

**Transfer date:** 6 September 2018

**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
10	Oil and gas production from wells: premises, whether on land or offshore, on which crude oil, natural gas or condensate is extracted from below the surface of the land or the seabed, as the case requires, and is treated or separated to produce stabilised crude oil, purified natural gas or liquefied hydrocarbon gases.	5,000 tonnes or more per year	500,000 tonnes per year

**Conditions**

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

.....  
 A/Manager, Licensing (Process 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.

### 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. DWER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DWER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DWER 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. 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 owner or occupier of the premises the intention is not to replicate them in the licence. 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 may 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 and the conditions attached to it. Non-compliance with it is an offence and financial penalties may apply.

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.

#### **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.

#### **Ministerial conditions**

If your Premises have 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 Jingemias Oil Production Facility (JPF) is located approximately 10 km south east of Dongara. The well intersects a 28 m oil column in the Dongara Sandstone formation at a depth of 2950 m. JPF utilises three water injection wells to maximise oil recovery and production, being Jingemias 1 (J1), Jingemias 3 (J3) and Jingemias 5 (J5). Water injection wells J1, J3 and J5 utilises produced water from the JPF. The water injection wells at the Jingemias oil field inject water through tubing into perforations and into the reservoir. Each well has an annulus casing and a surface casing. The tubing and the casings are monitored on a daily basis and the pressures recorded to determine if there is any loss of produced water to the groundwater aquifer.

The surface casing pressures on all the injection wells remains at a stable low pressure of between 0 and 400 kPag. Typically all the Jingemias wells have a surface casing pressure of approximately 300-400 kPag and have generally remained constant throughout the field life to date.

JPF was managed under a care and maintenance program from 2012, but operations recommenced in February 2018.

An application to transfer this licence, L8339/2009/3, from Cyclone Energy Pty Ltd to RCMA Australia Pty was received on 13 July 2018. The following administrative changes have been made to the Licence:

- the Licensee, Registered Office and ACN has been updated on the Licence;
- removing references to the previous licensee and replacing them with a generic term of RCMA Australia Pty Ltd;

As part of this transfer, DWER has not reassessed the acceptability or impacts of emissions and discharges from the premises or re-visited any existing emission control levels.



The licences and works approvals issued for the Premises since its establishment in 2003 are:

Instrument log		
Instrument	Issued	Description
W3872/2003/1	08/03/2004	Works Approval (W3872/2003/1) issued to construct premises
L7880/2003/1	23/09/2003	Licence to operate issued - works completed under W3872/2003/1
L7880/2003/2	12/09/2004	Licence re-issue
L7880/2003/3	07/11/2006	Licence re-issue - annual fee not paid and licence expires 7/11/2008
L8339/2009/1	20/04/2009	New licence issued to replace L7880/2003/3
L8339/2009/2	20/04/2012	Licence re-issue
L8339/2009/3	16/04/2015	Licence re-issue and conversion to REFIRE format
L8339/2009/3	14/12/2017	Licence transferred from Origin Energy Resources Limited to Cyclone Energy Pty Ltd
L8339/2009/3	06/09/2018	Licence transferred from Cyclone Energy Pty Ltd to RCMA Australia Pty Ltd

#### 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*;

**'annual period'** means the inclusive period from 1 January until 31 December in the same year;

**'approved form'** means the AACR Form template approved by the CEO for use and available via DWER's external website;

**'CEO'** means Chief Executive Officer of the Department of Water and Environmental Regulation;

**'CEO'** for the purposes of correspondence means;  
Department Administering the *Environmental Protection Act 1986*  
Locked Bag 33  
CLOISTERS SQUARE WA 6850  
info@dwer.wa.gov.au

**'code of practice for the storage and handling of dangerous goods'** means the 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;

**'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;

**'fugitive emissions'** means all emissions not arising from point sources identified in sections 2.2 and 2.3;

**'Licence'** means this Licence numbered L8339/2009/3 and issued under the Act;

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

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

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

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



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

- 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 version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Licence.

## 1.2 Premises operation

- 1.2.1 The Licensee shall ensure that dark smoke emissions from the Jingemba Production Facility do not exceed the following criteria during normal plant operation:
  - (i) dark smoke emissions of a shade up to and including Ringelmann 3 are not to exceed a period of 2 hours in any 24-hour period;
  - (ii) dark smoke emissions of a shade Ringelmann 4 are not to exceed a period of 1 hour in any 24-hour period;
  - (iii) dark smoke emissions of a shade Ringelmann 5 are not to exceed a period of 30 minutes in any 24-hour period; and
  - (iv) if the dark smoke is discontinuous, then the limit shall apply to the cumulative periods of emissions for that 24-hour period.

## 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 Point source emissions to air

- 2.2.1 The Licensee shall ensure that where waste is emitted to air 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: Point source emission to air</b>			
<b>Emission point reference and location on Map of emission points</b>	<b>Emission Point</b>	<b>Emission point height (m)</b>	<b>Source, including any abatement</b>
A1	Gas Flare	N/A	Flare system for gaseous waste



### 2.3 Point source emissions to groundwater

2.3.1 The Licensee shall ensure that where waste is emitted to groundwater from the emission points in Table 2.3.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.

Table 2.3.1: Emission points to groundwater		
Emission point reference and location on Map of emission points	Description	Source including abatement
J1	Jingemia 1 injection well	Produced formation water and stormwater
J3	Jingemia 3 injection well	
J5	Jingemia 5 injection well	

## 3 Monitoring

### 3.1 General monitoring

3.1.1 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

### 3.2 Monitoring of point source emissions to air

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 point source emissions to air					
Emission point reference	Parameter	Units	Averaging period	Frequency	Method
A1	Quantity of gas flared	m <sup>3</sup>	Annually	Continuous	None specified

### 3.3 Monitoring of point source emissions to groundwater

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 point source emissions to groundwater					
Emission point reference	Parameter	Units	Averaging period	Frequency	Method
J1, J3, J5	Injected volume	m <sup>3</sup>	Annually	Fortnightly	None specified
	Wellhead pressure	kPa	Monthly		
	Casing pressure				
	Surface casing pressure				



### 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.

Monitoring point reference	Process description	Parameter	Units	Frequency	Method
N/A	Water treatment chemicals	Consumption of chemical treatment agents	m <sup>3</sup>	Monthly	None specified

## 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 complete an Annual Audit Compliance Report (AACR) 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.

4.1.3 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 90 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.

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
-	A record of all flow line leaks including a description of the location of where the leak occurred and extent of the area affected.	





1.2.1	All dark smoke emissions resulting from normal plant operations which exceed the specified limits.	
Table 3.2.1	Quantity of gas flared.	
Table 3.3.1	Quantity of water injected. Injection well integrity.	
Table 3.4.1	Monthly consumption of chemical treatment agents added and toxicity data.	
-	A record of all accidental or emergency gaseous emissions including a full description of what caused the event and any environmental impacts incurred.	
4.1.2	Compliance.	<b>Error! Hyperlink reference not valid.</b> Approved form
4.1.3	Complaints summary.	None specified

### 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>
-	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution.	Part A: As soon as practicable but no later than 5pm of the next usual working day.  Part B: As soon as practicable.	N1

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act  
Note 2: Form in Schedule 2



## Schedule 1: Maps

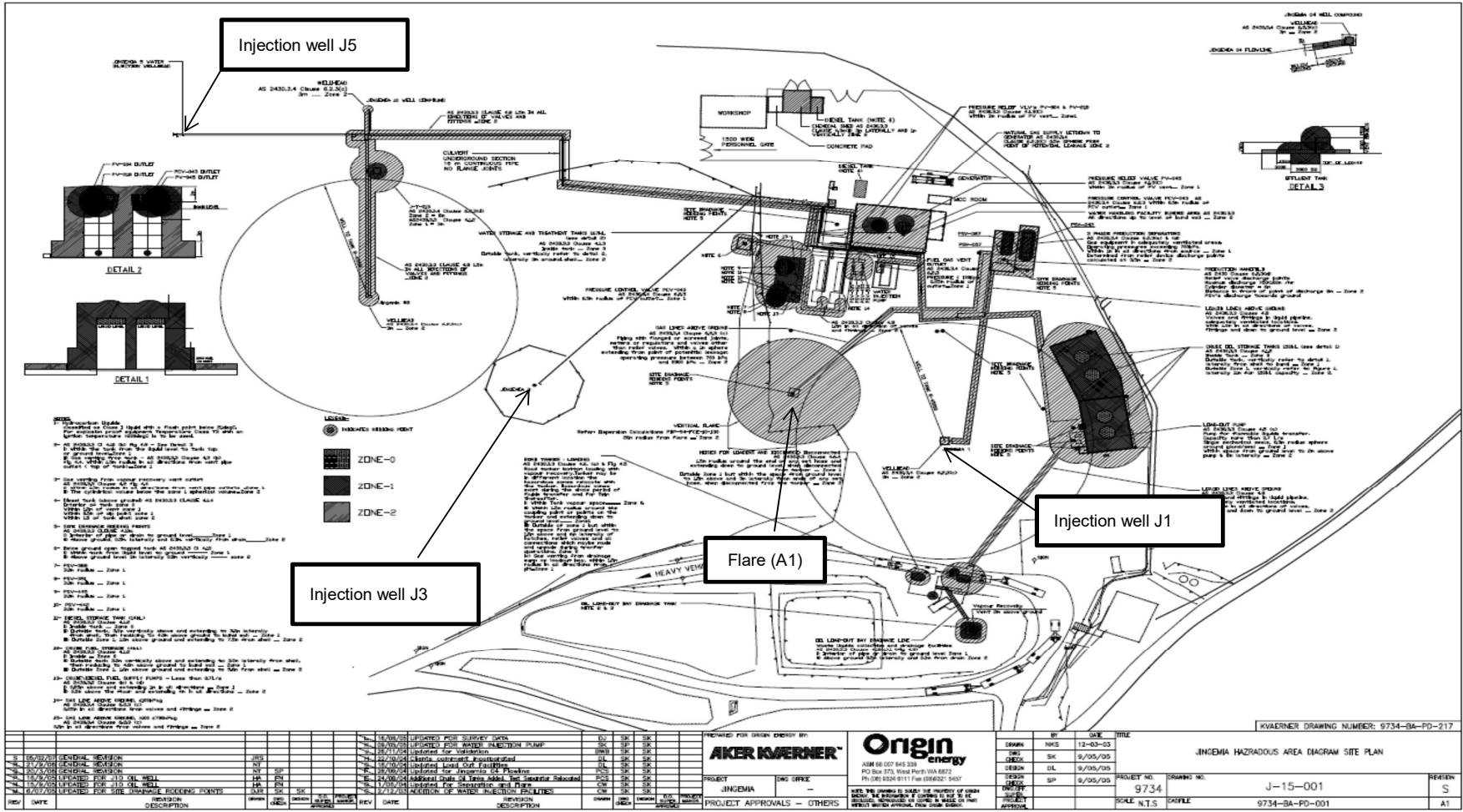
### Premises map

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





Map of emission points





## SCHEDULE 2: Notification form

Licence: L8339/2009/3  
 Form: N1

Licensee: RCMA Australia Pty Ltd  
 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	
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	

### 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.	
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Name	
Post	

Signature on behalf of RCMA Australia Pty Ltd	
Date	