



Licence

Environmental Protection Act 1986, Part V

Licensee: Orica Australia Pty Ltd

Licence: L8712/2012/1

Registered office: Level 4
1 Nicholson St
EAST MELBOURNE VIC 3002

ACN: 004 117 828

Premises address: Pilbara Ammonium Nitrate Emulsion Plant
Part of Lot 63 on Deposited Plan 172079 within the area bounded by:
676322.694E, 7741059.921N; 676397.471E, 7741310.873N;
676267.162E, 7741344.509N and 676202.385E, 7741093.557N
PIPPINGARRA WA 6722 as depicted in Schedule 1

Issue date: Tuesday, 9 April 2013

Commencement date: Monday, 15 April 2013

Expiry date: Saturday, 14 April 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
75	Chemical blending or mixing not causing discharge: premises on which chemicals or chemical products are mixed, blended or packaged in a manner that does not cause or is not likely to cause a discharge of waste into the environment.	5,000 tonnes or more per year.	150,000 tonnes per annual period.

Conditions of Licence

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

.....
Jonathan Bailes
Manager Licensing (Process Industries)
Officer delegated under section 20
of the *Environmental Protection Act 1986*



Contents

Licence	1
Contents	2
Introduction	2
Licence conditions	4
1 General	4
2 Monitoring	5
3 Information	6
Schedule 1: Maps	8
Schedule 2: Reporting & notification forms	10

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 protect and conserve the state's environment on behalf of the people of Western Australia.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* for the licensing of prescribed premises. Through this process DER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitor and audit compliance with works approvals and licence conditions, take enforcement action as appropriate and develop and implement licensing and industry regulation policy.

Licence requirements

This licence is issued under Part V of the *Environmental Protection Act 1986*. 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 *Environmental Protection Act 1986* 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.

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 *Environmental Protection Act 1986* 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

Orica Australia Pty Ltd (Orica) operate an ammonium nitrate emulsion (ANE) plant near Port Hedland, Western Australia, capable of producing up to 150,000 tonnes of product per annum. The ANE end product is a gel used as a stable explosive precursor in the mining industry which is supplied via road transportation to sites across the Pilbara region and to other Orica depots.

Two boilers have been constructed to support the operation of the ANE Plant. The boilers can be fuelled by diesel or purified waste combined with diesel. Steam for process heating is generated via the two boilers. Maximum fuel consumption aggregated for the boilers is below the prescribed premises threshold of 500kg per hour.

The premises is located on Lot 63 Pippingarra Road approximately 15km south-east of Port Hedland in the Pilbara region of Western Australia. The nearest sensitive receptor to the premises is a truck maintenance facility located approximately 2.2km to the north and the nearest residential receptors are located approximately 2km away. Beebingarra Creek, which is a significant ephemeral watercourse, is located only a few hundred metres to the east of the premises.

The main emissions associated with the facility are air emissions from the boilers and stormwater discharges. There is potential for noise and odour, however, given the site's remote location these are not expected to be significant.

This Licence is the result of an amendment sought by the Licensee to align the Licence conditions with the current site operations. Significant changes to stormwater management and infrastructure have occurred on site. Water that is potentially contaminated is now captured and reused in the process. As a consequence stormwater monitoring requirements have been removed.

Groundwater contamination was detected prior to the commencement of operations by the Licensee at the premises. As a result previous licence conditions required quarterly monitoring of groundwater quality. The monitoring results indicate that concentrations of hydrocarbons in the groundwater remain low. As a result monitoring has been decreased to annually and updated to reflect the current land use and chemicals used, stored and/or produced at the site.

The licences and works approvals issued for the Premises prior to issue of this Licence are:

Instrument log		
Instrument	Issued	Description
W5027/2011/1	10/5/2012	New application.
L8712/2012/1	9/4/2013	New application.
L8712/2012/1	17/7/2014	Amendment to remove conditions relating to air emissions and emissions to land associated with the sewage treatment plant.
L8712/2012/1	Draft	Amendment to remove stormwater monitoring conditions, amend groundwater monitoring and to update the licence template to the current version. Removal of category 87.



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, 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 January until 31 December in that 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 5667.11**' 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 is measured or a monitoring result is obtained;

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

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

Chief Executive Officer
Department Administering the Environment Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Telephone: (08) 9333 7510
Facsimile: (08) 9333 7550
Email: info@der.wa.gov.au;

'**Licence**' means this Licence numbered L8712/2012/1 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;



'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; and

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

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.

1.1.5 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 all pollution control and monitoring equipment to the manufacturer's specification or any relevant and effective internal management system.

1.2.2 The Licensee shall immediately recover, or remove and dispose of spills or leaks of environmentally hazardous materials outside its storage vessel.

1.2.3 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.¹

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

2 Monitoring

2.1 General monitoring

2.1.1 The Licensee shall ensure that:

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

2.1.2 The Licensee shall ensure that annual monitoring is undertaken at least 9 months apart.

2.2 Ambient environmental quality monitoring

2.2.1 The Licensee shall undertake the monitoring specified in Table 2.2.1.



Table 2.2.1: Monitoring of groundwater quality				
Monitoring point and location on map of monitoring locations	Parameter	Units	Averaging period	Frequency
PGMW01S PGMW01M PGMW01D PGMW02S PGMW02M PGMW02D PGMW03S PGMW03M PGMW04M PGMW05M	Standing water level	m(AHD)	Spot sample	Annually
	pH	-		
	Total recoverable hydrocarbons	µg/L		
	Ammonia	µg/L		
	Nitrate	µg/L		
	Nitrite	µg/L		
	Total Nitrogen	µg/L		
	Filterable recoverable phosphorus	µg/L		

3 Information

3.1 Records

- 3.1.1 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 3.1.1(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.
- 3.1.2 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.
- 3.1.3 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.
- 3.1.4 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.

3.2 Reporting

- 3.2.1 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 3.2.1 in the format or form specified in that table.



Table 3.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
-	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 2.2.1	Standing water level, pH, total recoverable hydrocarbons, ammonia, nitrate, nitrite, total nitrogen, and filterable recoverable phosphorus.	GR1
3.1.3	Compliance	Annual Audit Compliance Report (AACR)
3.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

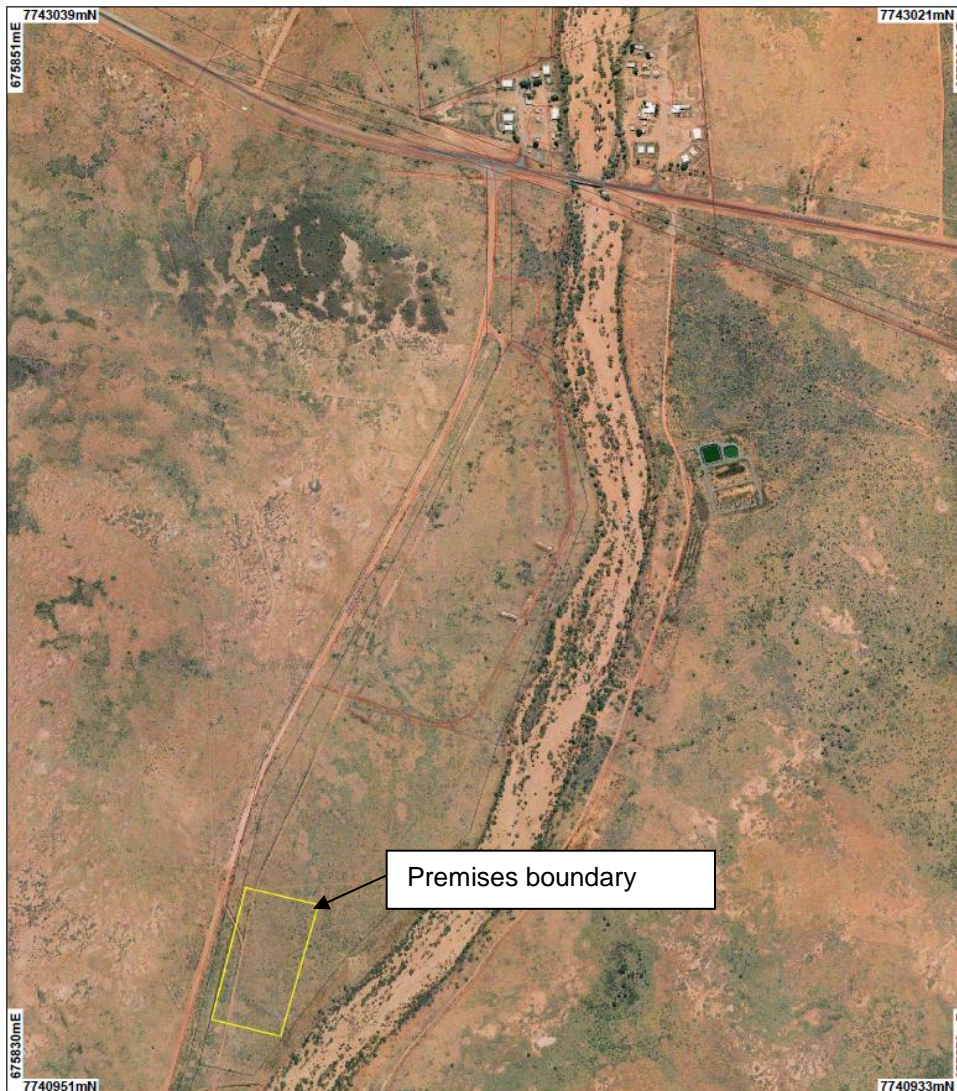
- 3.2.2 The Licensee shall ensure that the Annual Environmental Report also contains:
- (a) an assessment of the information contained within the report against previous monitoring results; and
 - (b) any original monitoring reports submitted to the Licensee from third parties.



Schedule 1: Maps

Premises map

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

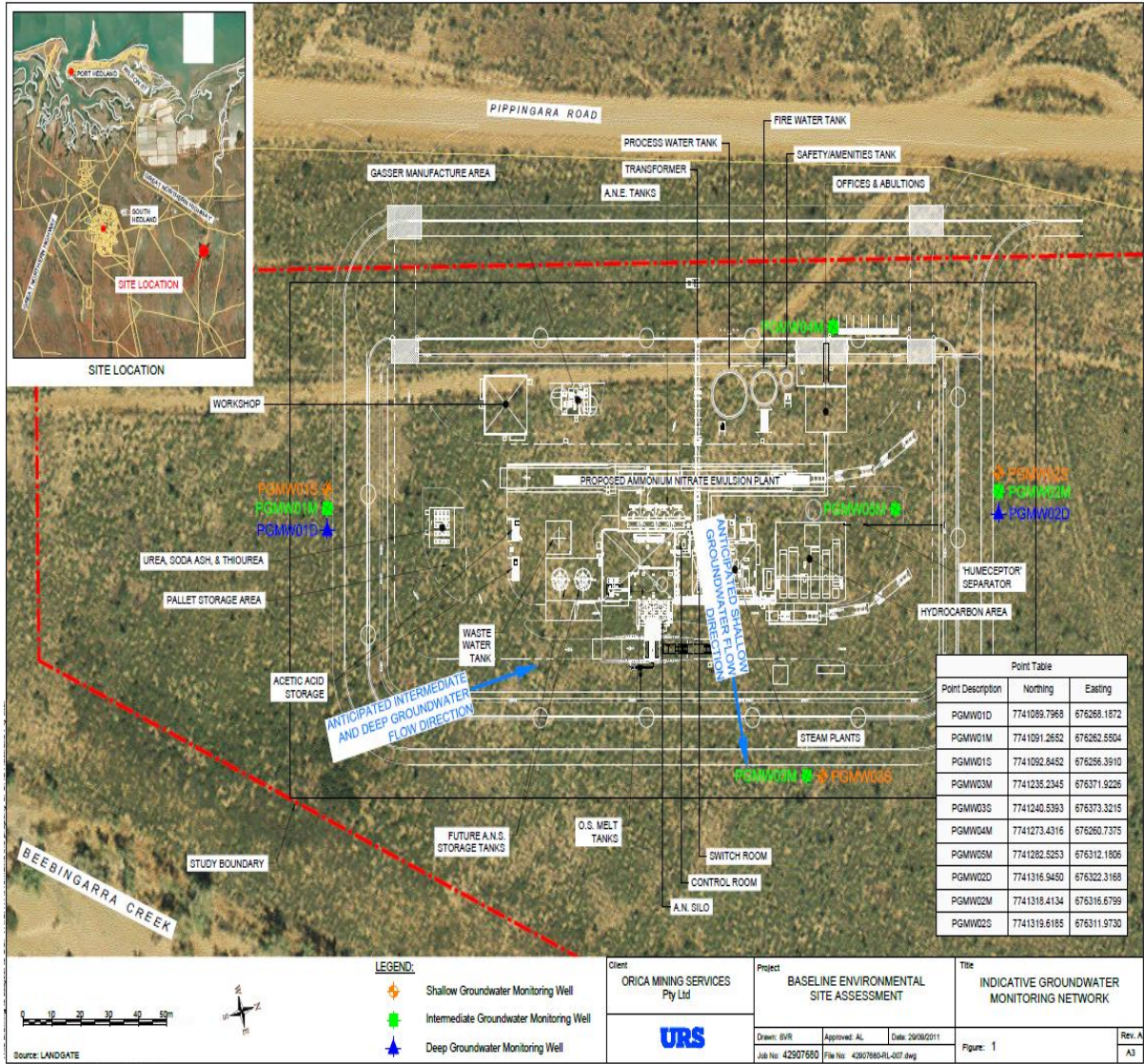


LEGEND		 Scale 1:10036 (Approximate when reproduced at Letter) Geocentric Datum Australia 1994 Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies. Prepared by: floanae Prepared for: Date: 23/11/2012 8:26:34 AM
Cadastre Local Government Authorities Road Centrelines Towns Hydrography, linear (hierarchy)	Dampler and Extensions 50cm Orthomosaic - Landgate 2008 Murrumunda 1.4m Orthomosaic - Landgate 2003 Port Hedland 50cm Orthomosaic - Landgate 2004	
		Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend. Department of Environment and Conservation Our environment. our future WA Crown Copyright 2002



Map of monitoring locations

The locations of the monitoring points defined in 2.2.1 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.

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 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: L8712/2012/1
Form: GR1
Name: Monitoring of groundwater quality

Licensee: Orica Australia Pty Ltd
Period:

Form GR1: Monitoring of groundwater quality					
Monitoring point reference	Parameter	Result	Averaging period	Method	Sample date & times
PGMW01S PGMW01M PGMW01D PGMW02S PGMW02M PGMW02D PGMW03S PGMW03M PGMW04M PGMW05M	Standing water level	m(AHD)	Spot sample		
	pH	-	Spot sample		
	Total recoverable hydrocarbons	µg/L	Spot sample		
	Ammonia	µg/L	Spot sample		
	Nitrate	µg/L	Spot sample		
	Nitrite	µg/L	Spot sample		
	Total Nitrogen	µg/L	Spot sample		
	Filterable recoverable phosphorus	µg/L	Spot sample		



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Orica Australia Pty Ltd

Licence: L8712/2012/1

Registered office: Level 4
1 Nicholson St
East Melbourne VIC 3002

ACN: 004 117 828

Premises address: Pilbara Ammonium Nitrate Emulsion Plant
Part of Lot 63 on Deposited Plan 172079 within the area bounded by:
676322.694E, 7741059.921N; 676397.471E, 7741310.873N;
676267.162E, 7741344.509N and 676202.385E, 7741093.557N
PIPPINGARRA WA 6722

Issue date: Tuesday, 9 April 2013

Commencement date: Monday, 15 April 2013

Expiry date: Saturday, 14 April 2018

Decision

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

Decision Document prepared by: Ty Matson
Licensing Officer

Decision Document authorised by: Jonathan Bailes
Delegated Officer



Contents

Decision Document	1
Contents	2
1 Purpose of this Document	2
2 Administrative summary	3
3 Executive summary of proposal and assessment	4
4 Decision table	5
5 Advertisement and consultation table	7
6 Risk Assessment	7

1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.



2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input checked="" type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	75	150,000 tonnes per annual period.
Application verified	Date: 7 December 2012	
Application fee paid	Date: 20 December 2012	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	



3 Executive summary of proposal and assessment

Orica Australia Pty Ltd (Orica) has constructed an ammonium nitrate emulsion (ANE) plant near Port Hedland, Western Australia, capable of producing up to 150,000 tonnes of product per annum. The ANE end product is a gel used as a stable explosive precursor in the mining industry which is supplied via road transportation to sites across the Pilbara region and other Orica depots.

The premises is located on Lot 63 Pippingarra Road approximately 15km south-east of Port Hedland in the Pilbara region of Western Australia. The nearest sensitive receptor to the project is a truck maintenance facility located approximately 2.2km to the north and the nearest residential receptors are located approximately 2km away. Beebingarra Creek, which is a significant ephemeral watercourse, is located only a few hundred metres to the east of the proposed project site.

The main emissions associated with the facility are stormwater discharges. There is potential for noise and odour, however, given the site's remote location these are not expected to be significant.

This Licence is the result of an amendment sought by the Licensee to align the Licence conditions with the current site operations. Significant changes to stormwater management and infrastructure have occurred on site. Water that is potentially contaminated is now captured and reused in the process. As a consequence stormwater monitoring requirements have been removed.

Groundwater contamination was detected prior to the commencement of operations by the licensee at the premises. As a result, the previous Licence conditions required quarterly monitoring. Recent results have indicated that the pollution plume has shifted and is not related to current site activities. As a result some monitoring parameters have been removed and the monitoring requirement has been decreased to annually.

The Licence previously contained category 87 for fuel burning. In August 2015 the Licensee requested that this category be removed from the Licence. The maximum fuel consumption for the boilers is below the prescribed premises threshold of 500kg per hour and the licence did not previously contain monitoring conditions for air emissions. Therefore, category 87 has been removed from the 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	Justification (including risk description & decision methodology where relevant)	Reference documents
Point source emissions to surface water including monitoring	L1.2.3	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Stormwater contaminated with hydrocarbons. <i>Impact:</i> Contamination of surrounding land and surface water drainage systems. Potential impacts on ecology of surface water from the addition of hydrocarbons. <i>Controls:</i> The Licensee has installed additional infrastructure to contain all stormwater in areas where contamination may occur. All water is then stored in tanks and reused in the manufacturing process. The only hydrocarbon stored on site is diesel. Diesel is stored in double skinned tanks within a bunded area.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Rare <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> The previous licence included monitoring conditions for discharges to surface water. Given the upgraded stormwater infrastructure on site it is not considered necessary to impose regulatory conditions for stormwater. Discharge point L1 has been removed from the Licence. Monitoring conditions have also been removed. Condition 1.2.3 remains requiring the Licensee to implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises and to</p>	Application supporting documentation.



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Rare <i>Risk Rating:</i> Low</p>	
Ambient quality monitoring	L2.2.1	<p>The premises is classified as possibly <i>contaminated – investigation required</i> under the <i>Contaminated Sites Act 2003</i> because hydrocarbons (such as kerosene) were found to be present in groundwater beneath the site in 2012 during pre-construction. Many of these contaminants were inconsistent with possible discharges from the proposed site activities.</p> <p>Monitoring conditions were imposed on the Licence to monitor for a suite of contaminants from 12 bores. The frequency of the monitoring was quarterly. The quarterly monitoring has shown a distinct lowering of concentrations of contaminants and many are now below detection levels. It is assumed that the historic point source for the contamination has been removed and that groundwater is no longer being impacted.</p> <p>Accordingly, the monitoring rudiments have been decreased to annual monitoring and the suite of parameters to be tested updated to reflect current site activities.</p>	<p>Application supporting documentation.</p> <p><i>Assessment and management of contaminated sites</i> December 2014 DER</p> <p><i>Contaminated Sites Act 2003</i></p>



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
03/09/2015	Proponent sent a copy of draft instrument	Administrative comments and typographical errors.	Introduction section updated and errors corrected.

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