



# Licence

## *Environmental Protection Act 1986, Part V*

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**Licensee:** Ravensthorpe Nickel Operations Pty Ltd

**Licence:** L8660/2012/1

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**Registered office:** 24 Outram Street  
WEST PERTH WA 6005

**ACN:** 092 506 584

**Premises address:** Ravensthorpe Nickel Project Tamarine Quarry  
Mining tenement M74/220  
Tamarine Road  
JERDACUTTUP WA 6346  
Being mining tenement M74/220 as depicted in Schedule 1

**Issue date:** Thursday, 26 September 2013

**Commencement date:** Monday, 30 September 2013

**Expiry date:** Tuesday, 29 September 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
12	Screening etc. of material: premises (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	50 000 tonnes or more per year	800,000 tonnes per year

### Conditions

Subject to this Licence and 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.

### 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 monitor and audit compliance with works approvals and licence conditions, take enforcement action as appropriate and develop and implements licensing and industry regulation policy.

### Licence requirements

This licence is issued under Part V of the Act. Conditions contained with 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.

### 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. Operating without a licence is an offence under the Act.

### Ministerial conditions

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

### Premises description and Licence summary

The Ravensthorpe Nickel Operations Pty Ltd (RNO) Ravensthorpe Nickel Project (RNP) is located near Ravensthorpe in Western Australia, approximately 550 kilometres (km) south-east of Perth. RNO commenced operations at the Ravensthorpe Nickel project in October 2011 in accordance with requirements of licence L8008/2004/2. The assessment for this licence did not include operations at the Tamarine Quarry. The RNO Tamarine Quarry supplies limestone for use in the RNP nickel processing plant and is located approximately 20 km southwest of the RNP mine site. RNO has confirmed that there was no crushing undertaken at the Tamarine Quarry between the period July 2010 and May 2011. Crushing commenced in June 2011 with a monthly volume of 20,000 tonnes and a design capacity of 800,000 tonnes per annum. Production remains limited at a maximum 200,000 tonnes until a review by the Office of the Environmental Protection Authority is undertaken following a Section 45C amendment application under the Act by RNO.

The process at the Tamarine Quarry involves blasting and extraction of limestone which is crushed to a size of 100 millimetres (mm). The crushed limestone is then loaded onto trucks and transported to the RNO mine site where it is further crushed prior to use in the nickel processing plant. RNO have indicated that approximately twelve to fifteen blast events occur each year. Emissions associated with the process include dust and noise. RNO currently operates an ambient dust monitoring network. Noise monitoring at sensitive receptors is also undertaken during every scheduled blast event. The nearest sensitive receptor from the quarry is an occupied rural residence located at a distance of 1.8 km. Residents of properties located near the quarry are given advance intimation before every scheduled blast event.

This Licence is for the operation of the existing Tamarine Quarry facility, previously operated by BHP Billiton under licence L8008/2004/1 and L8008/2004/2.

The licences and works approvals issued for the Premises for the 2 licences prior to issue of this Licence are:

Instrument log		
Instrument	Issued	Description
L8660/2012/1	26/09/2013	New Licence, change of occupier and premises boundary
L8660/2012/1	03/04/2014	Licence amendment to incorporate new Dust Management Plan
L8660/2012/1	08/01/2015	Licence amended to convert to REFIRE licence format.
L8660/2012/1	13/09/2018	DWER initiated Licence amendment to extend expiry date to 29 September 2019



Instrument log		
L8660/2012/1	27/09/2019	DWER initiated Licence amendment to extend expiry date to 29 September 2020

### 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:

**“the Act”** means the *Environmental Protection Act 1986*;

**“annual period”** means the inclusive period from 1 January until 31 December in that year;

**“AS 3580.10.1”** means Australian Standard AS 3580.10.1 *Methods for sampling and analysis of ambient air – Determination of Particulate Matter – Deposited Matter – Gravimetric Method*;

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

**CEO** for the purpose of correspondence means;

Director General  
Department Administering the Environmental Protection Act 1986  
Locked Bag 10  
JOONDALUP DC WA 6919  
[info@dwer.wa.gov.au](mailto:info@dwer.wa.gov.au)

**“fugitive emissions”** means all emissions not arising from point sources;

**“Licence”** means this Licence numbered L8660/2012/1 and issued under the *Environmental Protection Act 1986*;

**“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; and

**“Screened”** means material which is extracted from the ground and screened, washed, crushed, ground, milled, sized or separated.

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 the 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 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 shall immediately recover, or remove and dispose of spills outside an engineered containment system.
- 1.3 Premises operation**
- 1.3.1 The Licensee shall not cause or allow the production of material extracted from the ground that is screened, washed, crushed, ground, milled, sized or separated at the Premises greater than the limit of 800,000 tonnes per annual period.
- 1.3.2 The Licensee shall not cause or allow at the Premises between the hours of 1900 hours and 0500 hours of the next day operations which include:
- (a) screening of material;
  - (b) the transport of screened material; or
  - (c) blasting.

## 2 Emissions

### 2.1-2.5 General emissions, point source emissions to air, surface water, groundwater, and emissions to land

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

### 2.6 Fugitive emissions

- 2.6.1 The Licensee shall use all reasonable and practical measures to prevent and where that is not practicable to minimise dust emissions from the Premises.
- 2.6.2 The Licensee shall ensure that no visible dust generated by the activities on the Premises crosses the boundary of the Premises.
- 2.6.3 The Licensee shall comply with the commitments and requirements of the Tamarine Quarry Dust Management Plan.

### 2.7-2.8 Odour and noise

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



## 3 Monitoring

### 3.1-3.5 General monitoring, monitoring of point source emissions to air, surface water, and groundwater, and emissions to land

There are no specified conditions relating to general monitoring, monitoring of point source emissions to air, surface water, and groundwater or emissions to land monitoring 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	Parameter	Units	Averaging period	Frequency
Material that is extracted from the ground and is screened, washed, crushed, ground, milled, sized or separated	Weight of Limestone	Tonnes	Annual period	Continuous

### 3.7 Process monitoring, ambient environmental quality and meteorological monitoring

There are no specified conditions relating to process, ambient environmental quality and meteorological monitoring in this section.

## 4 Improvements

There are no specified improvements 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 60 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 or any incidents that have occurred during the annual period and any action taken	None specified
5.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified
2.6	Measures taken to suppress dust	
-	Measures taken to minimise noise	

Note 1: Forms are available from DWER website at [https://www.der.wa.gov.au/images/documents/our-work/licences-and-works-approvals/aacr/IR-F14\\_AACR\\_Form\\_v3.docx](https://www.der.wa.gov.au/images/documents/our-work/licences-and-works-approvals/aacr/IR-F14_AACR_Form_v3.docx)

## 5.3 Notification

5.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the CEO 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>
-	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 is in Schedule 2

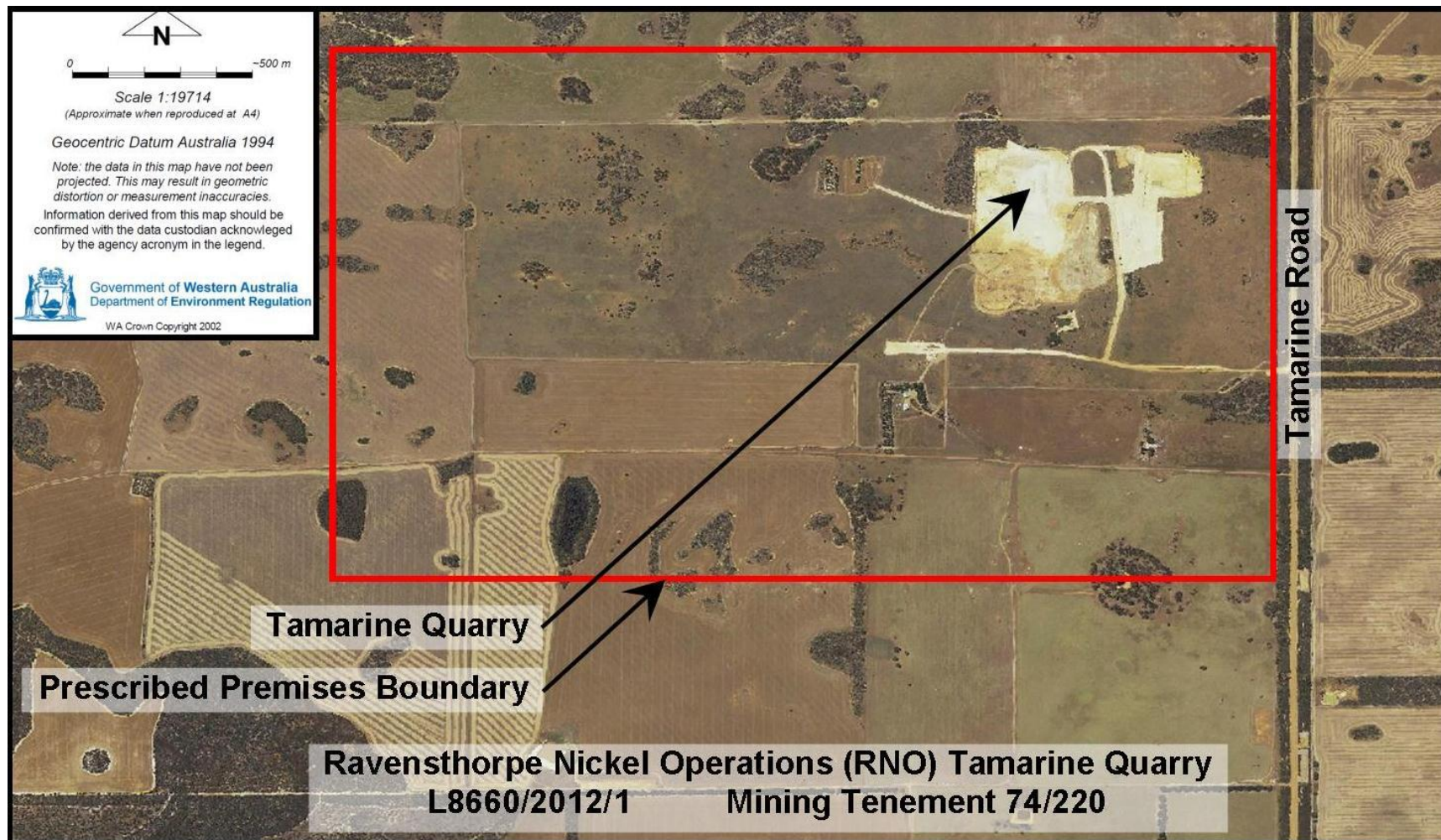




## Schedule 1: Maps

### Premises map

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



## Schedule 2: Notification forms

Licence: L8660/2012/1 Licensee: Ravensthorpe Nickel Operations Pty Ltd  
Form: N1 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	L8660/2012/1
Name of operator	Ravensthorpe Nickel Operations Pty Ltd – Tamarine quarry
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	



Licence: L8660/2012/1

Licensee: Ravensthorpe Nickel Operations Pty Ltd

Form: N1

Date of breach:

## 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	
Position	
Signature on behalf of Ravensthorpe Nickel Operations Pty Ltd – Tamarine quarry	
Date	