



Licence

Environmental Protection Act 1986, Part V

Licensee: Bradken Resources Pty Ltd

Licence: L8404/2009/2

Registered office: Bradken Resources Pty Ltd
20 McIntosh Drive
MAYFIELD WEST, NSW 2304

ACN: 098 300 988

Premises address: Bradken Resources Pty Ltd
Lot 9004 on Plan 213728 Wandoo Parade, Lot 28416 and Lot 28418 on
Plan 213728 Werribee Road and Lot 5 on Diagram 72039 Hawke Avenue
Wundowie

Issue date: Thursday, 05/09/2011

Commencement date: Friday, 30/09/2011

Expiry date: Wednesday, 29/09/2026

Prescribed Premises Category

Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Premises production or design capacity
45	Category 45: Metal Melting or Casting	100 tonnes or more per year	10,000 tonnes per year

Conditions of Licence

Subject to the conditions of the licence set out in the attached pages.

.....
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 Emissions	6
3 Information	6
Schedule 1: Maps	9
Schedule 2: Reporting form	10

Introduction

This Introduction is not part of the Licence conditions.

Who we are

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

Our industry licensing role

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 implement 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.

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

Bradken Wundowie carries out general foundry operations at the site, including the design and manufacture of metal casting moulds, the processing of scrap metal, melting and casting of metal and grinding and cutting and finishing of products produced primarily for the mining industry.

The site also contains a DISamatic sand reclamation process which uses sand moulds from the moulding unit and recycles that sand to be used again in casting operations.

The site has a history of minor non-compliances relating to storage of dangerous goods, dust and minor spills and leaks. Otherwise, the site is reasonably well managed.

This Licence is the result of an amendment sought by the Licensee to include the new bag house filter stack in the licence.

The licences and works approvals issued for the Premises since 01/01/2009 are:

Instrument log		
Instrument	Issued	Description
L8404/2009/1	30 April 2010	Category 45 Metal melting or casting Schedule 2 (5) Abrasive Blasting
L8404/2009/2	30 September 2011	Licence reissue
L8404/2009/2	5 September 2013	Licence amendment to change the registered address and conversion to REFIRE template.
W5715/2014/1	3 November 2014	Works Approval to install and operate a plasma cutting system
L8404/2009/2	29 April 2016	Extension of expiry date to 29 September 2021
W6130/2018/1	20 June 2018	Works Approval to replace the baghouse servicing the automated clay bonded DISamatic sand moulding line and sand reclamation activities.
L8404/2009/2	8 July 2019	Licence Amendment to reflect change of emissions point from newly installed replacement baghouse

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 December until 30 November in the following year;

“**clean scrap**” means metal which is generally free from adherent paint, rubber and plastic material and comprise not more than 1.5 percent by weight of organic material;

“**Code of Practice for the Storage and handling of dangerous goods**” means the Storage and handling of dangerous goods, Code of Practice, Department of Mines, Industry Regulations and Safety, Government of Western Australia;

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

“**Director**” means Director General of the Department of Water and Environmental Regulation;

“**Director**” for the purpose of correspondence means;

Director General
Department Administering the *Environmental Protection Act 1986*
Locked Bag 10
JOONDALUP WA 6027
info@dwer.wa.gov.au

“**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, Industry Regulation and Safety;

“**fugitive emissions**” means all emissions not arising from point sources identified in Sections 2.2

“**Licence**” means this Licence numbered L8404/2009/2 and issued under the *Environmental Protection Act 1986*;

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



“**placard quantity**” has the meaning defined in the *Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007*;

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

“**Schedule 1**” means Schedule 1 of this Licence unless otherwise stated.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the current version of that standard.

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.

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

1.2.3 The Licensee, except where storage is prescribed in section 1.3, shall ensure that environmentally hazardous materials are stored in accordance with the Code of Practice for the Storage and handling of dangerous goods.

1.2.4 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.

1.2.5 The Licensee shall:

- (a) implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises; and
- (b) treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises.¹

Note 1: The Environmental Protection (Unauthorised Discharges) Regulations 2004 make it an offence to discharge certain materials into the environment.

1.3 Premises operation

1.3.1 The licensee shall not burn insulation or scrap cable, other than in an approved incinerator.

1.3.2 The licensee shall not burn motor windings coated with varnish, other than in an approved incinerator.

1.3.3 The licensee shall use all reasonable and practicable means to remove rubber lining and surface treatments prior to flame cutting.

1.3.4 The licensee shall immediately extinguish any fires on the premises resulting from flame cutting operations which generate significant dark smoke emissions.



- 1.3.5 The licensee shall have a carbon dioxide extinguisher or water hose for fire fighting readily available to extinguish any fire started during a flame cutting operation.
- 1.3.6 The licensee shall not allow any fires on the premises to burn unattended.
- 1.3.7 The licensee shall only use clean scrap in any furnace on the premises, when using scrap as a metal feedstock.
- 1.3.8 The licensee shall only fire furnaces (other than electric induction furnaces) with, gas, diesel or "low sulphur" fuel oil having a sulphur content of less than 0.5 percent.
- 1.3.9 The licensee shall dispose of solid waste at a facility approved by the Department of Water and Environmental Regulation to accept the solid waste concerned.

2 Emissions

There is one specified emission, the emission to air from the baghouse.

2.1 General

- 2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit, and/or target in this section.

2.2 Point source emissions to air

- 2.2.1 The emission to air from the baghouse is permitted by this licence, pursuant to conditions 2.2.2 to 2.2.5.
- 2.2.2 Waste gases from the baghouse shall only be emitted from emission point A1, as shown on the map of the Premises in Schedule 1.
- 2.2.3 The Licensee shall maintain the baghouse in accordance with the manufacturer's specifications.
- 2.2.4 The baghouse shall be fitted with a broken bag detection system that annunciate, alarm when broken bags are detected.
- 2.2.5 The Licensee shall repair broken bags within the baghouse within 24 hours of a broken bag alarm annunciating.

2.3 Fugitive emissions

- 2.3.1 The Licensee shall use all reasonable and practical measures to prevent and where that is not practicable to minimise dust emissions from the Premises.
- 2.3.2 The Licensee shall ensure that no visible dust generated by the activities on the Premises crosses the boundary of the Premises.

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:

- (a) implement a complaints management system that shall record the following information (if known or provided) about complaints received at the Premises concerning any environmental impact of the activities undertaken at the Premises:
 - (i) name and address of the complainants (if consented);
 - (ii) date and time of complaint;
 - (iii) date and time of alleged incident;
 - (iv) alleged source of the incident;
 - (v) general description of the alleged incident, including any environmental or health impacts reported by the complainant;
 - (vi) wind direction, wind speed and temperature at time of alleged incident;
 - (vii) likely source of the alleged incident; and
 - (viii) actions taken by the Licensee to address the complaint, including the outcome of any investigation(s) and action(s) to verify any impacts.
- (b) complete an annual analysis and review of complaints recorded under 3.1.4(a) to identify any common factors and root cause of complaints and proposals to address these.

3.2 Reporting

3.2.1 The Licensee shall submit to the Director an Annual Environmental Report within 28 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 form
-	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
3.1.3	Compliance	Annual Audit Compliance Report (AACR) Available: www.dwer.wa.gov.au
3.1.4	Complaints summary	None specified



3.3 Notification

3.3.1 The Licensee shall ensure that the parameter listed in Table 3.3.1 is notified to the Director in accordance with the notification requirement of the table.

Table 3.3.1: Notification requirement			
Condition or table (if relevant)	Parameter	Notification requirement¹	Format or form²
-	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 requirement in the licence shall not negate the requirement to comply with s72 of the Act

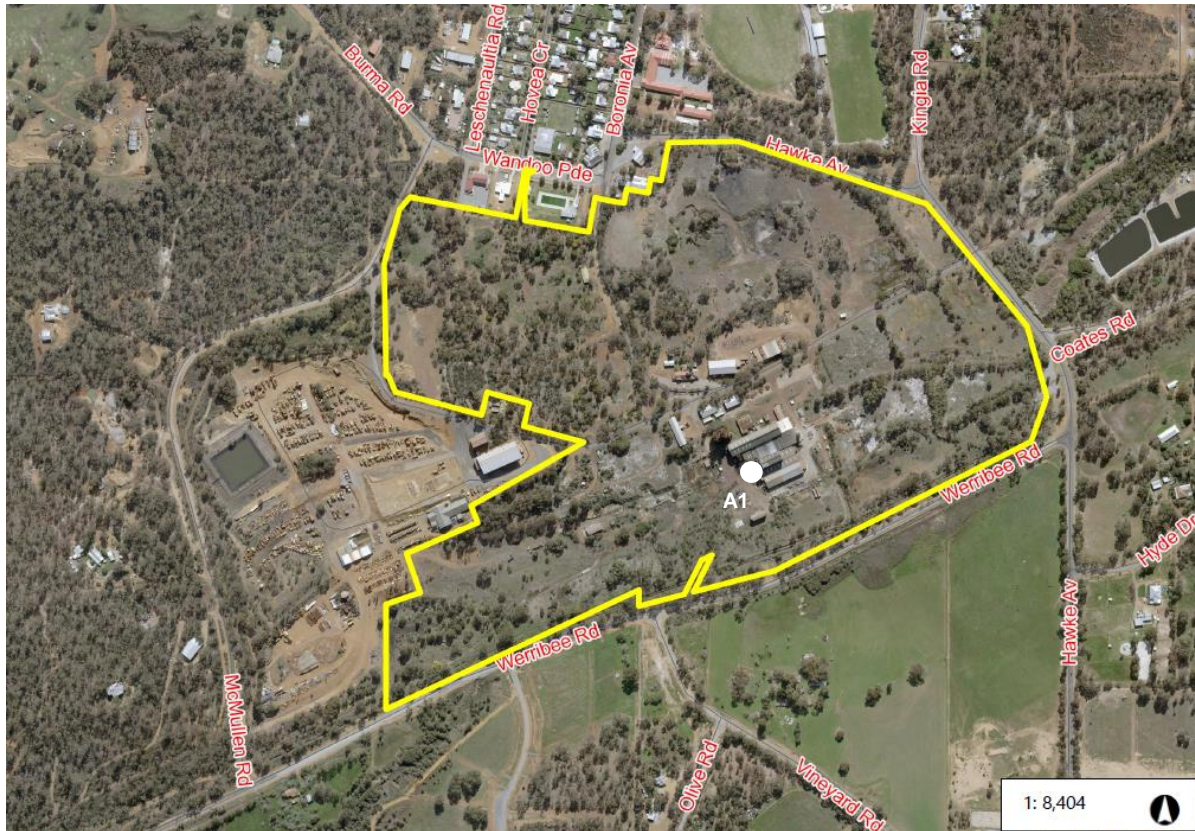
Note 2: Form is in Schedule 2



Schedule 1: Maps

Premises map

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





Schedule 2: Reporting form

Licence: L8404/2009/02 Licensee: Bradken Resources Pty Ltd
 Form: N1

Notification of 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.

Part A

Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution	
Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident	



Part B

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

Name	
Post	
Signature on behalf of Bradken Resources Pty Ltd	
Date	