



The Manager
Capral Limited
45-55 Baile Road
CANNING VALE WA 6155

Dear Sir/Madam

ENVIRONMENTAL PROTECTION ACT 1986 – AMENDMENT TO LICENCE

Licence: L8503/2010/1

Premises: Capral Ltd

Further to my letter dated 8 November 2013, please find enclosed your amended *Environmental Protection Act 1986* licence.

If you have any questions or objections relating to the licence, please do not hesitate to contact the enquiries officer above on 9333 7546 for clarification or discussion of any grievances you have.

If you are concerned about, or object to any aspect of the amendment, you may lodge an appeal with the Minister for the Environment within 21 days from the date on which this licence is received. The Office of the Appeals Convenor can be contacted on 6467 5190 to find out the procedure and fee.

Members of the public may also appeal the amendments. The Appeals Registrar at the Office of the Appeals Convenor can be contacted after the closing date of appeals to check whether any appeals were received.

Yours sincerely

Ed Schuller
Officer delegated under Section 20
of the *Environmental Protection Act 1986*

23 January 2014

enc:



Licence

Environmental Protection Act 1986, Part V

Licensee: Capral Limited

Licence: L8503/2010/1

Registered office: 71 Ashburn Road
BUNDAMBA QLD 4304

ACN: 004 213 692

Premises address: Capral Limited
45-55 Baile Road
CANNING VALE WA 6155
Being Lot 511 on Diagram 87556 as depicted in Schedule 1.

Issue date: Thursday, 12 May 2011

Commencement date: Thursday, 12 May 2011


Expiry date: Wednesday, 11 May 2016

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
48	Metal finishing: premises on which metals are chemically cleaned or metals, plastics or metal or plastics products are plated, electroplated, anodized, coloured or otherwise coated or finished.	Not applicable	100 tonnes per annual period

Conditions

Subject to this Licence and the conditions set out in the attached pages.


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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 Monitoring	7
4 Improvements	8
5 Information	8
Schedule 1: Maps	10
Schedule 2: Reporting & notification forms	12

Introduction

This Introduction is not part of the Licence conditions.

Our 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* (the Act) for the licensing of prescribed premises. Through this process DER 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. 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 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.
- Environmental Protection (Abrasive Blasting) Regulations 1998 – these Regulations place obligations on you when carrying out abrasive blasting activities.



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

Capral Limited use a nitriding system to harden the surface of their dies, which significantly increases their longevity. Capral operate a Nitrex Gas Nitriding system to harden the surface of the extrusion dies used on aluminium billets.

During the nitriding process there is a risk of excess ammonia and nitrogen oxides being emitted into the atmosphere. The effluent neutralising system is comprised of a neutralising chamber, pilot burner, fuel gas train and control system. The equipment operates on the principle of the chemical conversion of ammonia (or other pollutant gases) to less polluting compounds through oxidation at a high temperature. The control system is equipped with a flame monitoring device that automatically triggers an alarm signal whenever the flame is extinguished and relays it to the control system of the furnace, which will shut down the furnace after a set period of time.

The premises is located within an industrial area at Lot 511 on Diagram 87556, 45 -55 Baile Road, Canning Vale, as depicted in Attachment 1. The nearest neighbours to the premises are BOC gases, WorkSafe - dangerous goods, Ron Farris Real Estate and FM Global Insurers. The nearest residents are approximately two kilometres away.

This Licence is the result of an amendment sought by DER to convert the existing licence to a new format REFIRE licence.

The licences and works approvals issued for the Premises since 1/07/2010 are:

Instrument log		
Instrument	Issued	Description
W4702/2010/1	01/07/2010	New works approval application
L8503/2010/1	12/05/2011	New licence application
L8503/2010/1	14/06/2012	Amendment
L8503/2010/1	23/1/14	Amendment to REFIRE format

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 July until 30 June in the following year;

“**averaging period**” means the time over which a limit or target is measured or a monitoring result is obtained;

“**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 and Petroleum, Government of Western Australia;

“**controlled waste**” has the definition in Environmental Protection (Controlled Waste) Regulations 2004;

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

“**Director**” means Director, Environmental Regulation Division of the Department of Environment Regulation for and on behalf of the Chief Executive Officer as delegated under Section 20 of the *Environmental Protection Act 1986*;

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

Regional Leader, Industry Regulation, Swan Region
Department of Environment Regulation
Locked Bag 33
CLOISTERS SQUARE WA 6850
Telephone: (08) 9333 7510
Facsimile: (08) 9333 7550
Email: swanindustryreg@der.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 and Petroleum;

“**fugitive emissions**” means all emissions not arising from point sources identified in Sections 2.2, 2.3, 2.4 and 2.5;

“**Licence**” means this Licence numbered L8503/2010/1 and issued under the *Environmental Protection Act 1986*;



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

“**nitriding**” means the process used to harden the surface of dies to increase their life and performance;

“**NOx**” means oxides of nitrogen, calculated as the sum of nitric oxide and nitrogen dioxide and expressed as nitrogen dioxide.

“**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;

“**stack test**” means a discrete set of samples taken over a representative period at normal operating conditions;

“**STP dry**” means standard temperature and pressure (0°Celsius and 101.325 kilopascals respectively), dry;

“**USEPA**” means United States (of America) Environmental Protection Agency;

“**USEPA Method 7E**” means the United States (of America) Environmental Protection Agency Method 7E Nitrogen Oxide – Instrumental; and

“**USEPA CTM-027**” means the United States (of America) Environmental Protection Agency EMC Conditional Test Methods.

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 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, except where storage is prescribed in section 1.3, shall ensure that environmentally hazardous substances 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.

1.3 Premises operation

There are no specified conditions relating to premises operation in this section.



2 Emissions

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 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.

Table 2.2.1: Emission points to air

Emission point reference and location on Map of emission points	Emission point reference on Map of emission points	Emission Point and source	Emission point height (m)	Source, including any abatement
A1	1	Nitriding system stack	4	Stack via effluent neutralising system

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

Table 2.2.2: Point source emission limits to air

Emission point Reference	Parameter	Limit (including units) ¹	Averaging period
A1	Ammonia	80 mg/m ³	Stack test (60 minute average)
A1	NOx	250 mg/m ³	Stack test (30 minute average)

Note 1: All units are referenced to STP dry

2.3 Point source emissions to surface water

There are no specified conditions relating to point source emissions to surface water in this section.

2.4 Point source emissions to groundwater

There are no specified conditions relating to point source emissions to groundwater in this section.

2.5 Emissions to land

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

2.6 Fugitive emissions

There are no specified conditions relating to fugitive emissions in this section.



2.7 Odour

2.7.1 The Licensee shall ensure that odour emitted from the Premises does not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person who is not on the Premises.

2.8 Noise

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

3 Monitoring

3.1 General monitoring

3.1.1 The licensee shall ensure that:

- (a) all laboratory samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured unless indicated otherwise in relevant table.

3.1.2 The Licensee shall ensure that :

- (a) six monthly monitoring is undertaken at least 5 months apart.

3.1.3 The Licensee shall record production or throughput data and any other process parameters relevant to any non-continuous or CEMS monitoring undertaken.

3.1.4 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.

3.1.5 The Licensee shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the Director accompanied with a report comprising details of any modifications to the methods.

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	Units¹	Frequency²	Method³
A1	Ammonia	mg/m ³ and g/s	Six monthly	USEPA CTM-027
A1	NOx	mg/m ³ and g/s	Six monthly	USEPA Method 7E

Note 1: All units are referenced to STP dry

Note 2: Monitoring shall be undertaken to reflect normal operating conditions and any limits or conditions on inputs or production.

Note 3: Monitoring shall be undertaken upon completion of IR2.

3.2.2 The Licensee shall ensure that sampling required under condition 3.2.1 of the Licence is undertaken at sampling locations in compliance with the AS 4323.1 or relevant part of the CEMS Code.



- 3.2.3 The Licensee shall ensure that all non-continuous sampling and analysis undertaken pursuant to condition 3.2.1 is undertaken by a holder of NATA accreditation for the relevant methods of sampling and analysis.

4 Improvements

- 4.1.1 The Licensee shall complete the improvements in Table 4.1.1 by the date of completion in table 4.1.1.
- 4.1.2 The Licensee, for improvements not specifically requiring a written submission, shall write to the Director stating whether and how the Licensee is compliant with the improvement within one week of the completion date specified in Table 4.1.1.

Table 4.1.1: Improvement program		
Improvement reference	Improvement	Date of completion
IR1	The Licensee shall submit a report to the Director for approval, detailing proposals, with timescales, to amend the sampling facilities on emission point A1 to enable monitoring of ammonia in accordance with AS 4323.1 method USEPA CTM-027.	Within 1 month after the issuing of this licence
IR2	The Licensee shall confirm the completion of the approved program of works under IR1 above.	Within 1 week of completing works

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 Director 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 ¹
-	Summary of any failure or malfunction of any pollution control equipment and 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
Table 3.2.1	Gas flow rate, Ammonia, Oxides of nitrogen	AR1
-	Throughput in tonnes per year	Tabular format: Annual total

Note 1: Forms are in Schedule 2

5.3 Notification

5.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the Director in accordance with the notification requirements of the table.

Table 5.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²
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 usual working day.	N1
-	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution	Part B: As soon as practicable	

Note 1: Notification requirements in the licence shall not negate the requirement to comply with s72 of the Act

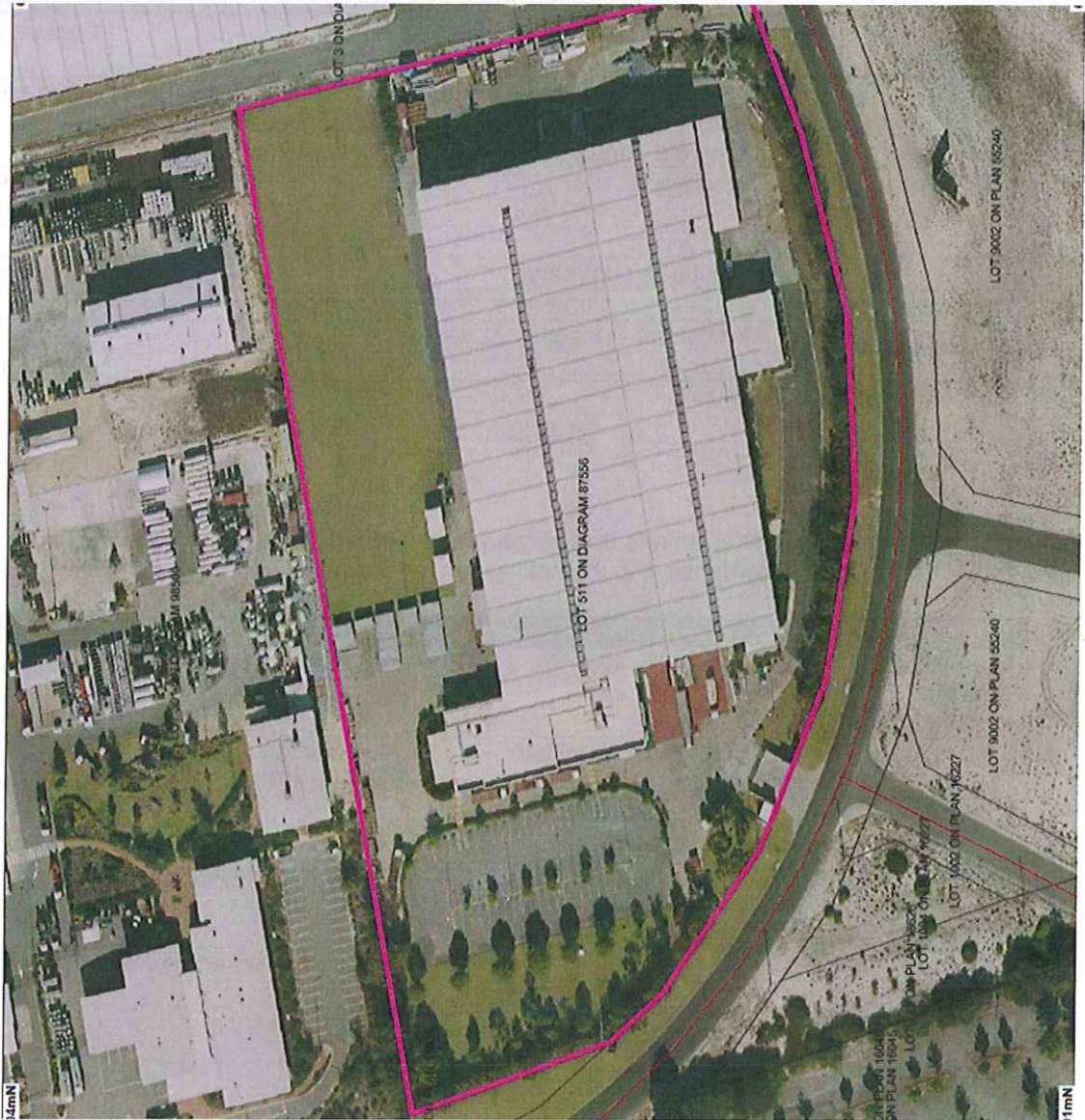
Note 2: Forms are in Schedule 2



Schedule 1: Maps

Premises map

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





Map of emission points

The locations of the emission point defined in Tables 2.2.1 and 2.3.1 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.

Licence: L8503/2010/1 Licensee: Capral Limited
Form: AACR Period :
Name: Annual Audit Compliance Report

Annual Audit Compliance Report

Section A: Statement of compliance with Licence conditions

Were all conditions of licence complied with within the annual period?		
Yes	<input type="checkbox"/>	Initial Sections A & B, then proceed to Section C
No	<input type="checkbox"/>	Initial Section A, then 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 B: Details of non-compliance with Licence condition

a) Licence condition not complied with?	
b) Date(s) b) Date(s) and time(s) the non compliance occurred, if applicable?	
c) Was this non compliance reported to DER?	
<input type="checkbox"/> Yes, and <input type="checkbox"/> Reported to DER verbally Date <input type="checkbox"/> Reported to DER in writing Date	<input type="checkbox"/> No
d) Has DER taken, or finalised any action in relation to the non compliance?	
e) Summary of particulars of non compliance, and what was the environmental impact?	
f) If relevant, the precise location where the non compliance occurred (attach map or diagram)	
g) Cause of non compliance	
h) Action taken or that will be taken to mitigate any adverse effects of the non compliance	
i) Action taken or that will be taken to prevent recurrence of the non compliance	

Please use a separate page for each Licence condition that was not complied with. Each page must be initialled by the person(s) who signs Section C of this AACR

Initial:



Section C: Signature and certification

This AACR must only be signed by a person(s) with legal authority to sign it as defined 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 AACR 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 (CEO) of DER to sign on the Licensee's behalf.
a corporation	<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 Corporations Act 2001; 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 CEO of DER.
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 CEO of DER.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the CEO 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 AACR is correct and not false or misleading in a material particular.

Signature:

Name: (printed)

Position:

Date: / /

Seal (if signing under seal)

Signature:

Name: (printed)

Position:

Date: / /



Licence: L8503/2010/1
Form: AR1
Name: Monitoring of point source emissions to air

Licencee: Capral Limited
Period :

Emission point	Parameter	Limit	Result ¹	Averaging period	Method	Sample date & times
A1	Ammonia	80	mg/m ³ and g/s		USEPA CTM-027	
A1	NOx	250	mg/m ³ and g/s		USEPA Method 7E	

Note 1: All units are referenced to STP dry

Signed on behalf of Capral Limited: Date:



Licence: L8503/2010/1
 Form: N1

Licensee: Capral Limited
 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	

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 Capral Limited	
Date	