Government of **Western Australia**
Department of **Environment Regulation**

Your ref L7291/1995/9
Our ref MG213
Enquiries C. Joseph
Phone (08) 9964 0901
Fax (08) 9921 5713
Email clint.joseph@der.wa.gov.au

Mr Gavin Seymour
Plant Manager
Dongara Lime Plant
PO Box 530
PORT DENISON WA 6525

Dear Mr Seymour

***ENVIRONMENTAL PROTECTION ACT 1986*: LICENCE GRANTED**
Premises Dongara Lime Plant, M 70/311, Victoria Location 11702 Kailis Drive DONGARA WA 6525

Licence Number: L7291/1995/9

A licence under the *Environmental Protection Act 1986* (the Act) has been granted for the above premises. The Department of Environment Regulation will advertise the issuing of this licence in the public notices section of *The West Australian* newspaper. The licence includes attached conditions. Under section 58(1) of the Act, it is an offence to contravene a condition of a licence. This offence carries a penalty of up to $125,000 and a daily penalty of up to $25,000.

In accordance with section 102(1)(c) of the Act, you have 21 days to appeal the conditions of the licence. Under section 102(3)(a) of the Act, any other person may also appeal the conditions of the licence. To lodge an appeal contact the Office of the Appeals Convenor on 6467 5190 or by email at admin@appealsconvenor.wa.gov.au.

Where a licence is issued for more than one year it requires payment of an annual fee and will cease to have effect if the fee is unpaid. It is the occupier's responsibility to lodge a fee application and pay the annual fee in sufficient time to avoid incurring a late payment fee and for processing to be completed before the licence anniversary date.

If you have any queries regarding the above information, please contact Clint Joseph on (08) 9964 0901.

Yours sincerely

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

10 April 2014

Government of **Western Australia**
Department of **Environment Regulation**

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT REGULATION

Environmental Protection Act 1986

ISSUED LICENCE

LICENCE NUMBER: L7291/1995/9 **FILE NUMBER: MG213**

LICENSEE AND OCCUPIER:
Cockburn Cement Limited
Lot 242 Russell Road East
Munster WA 6163
ACN: 008 673 470

NAME AND LOCATION OF PREMISES:
Dongara Lime Plant
M 70/311, Victoria Location 11702 Kailis Drive
DONGARA WA 6525

Environmental Protection Regulations 1987
CLASSIFICATION(S) OF PREMISES:

Category 43 – Cement or Lime Manufacturing

COMMENCEMENT DATE OF LICENCE: Tuesday, 29 April 2014

EXPIRY DATE OF LICENCE: Sunday, 28 April 2019

CONDITIONS OF LICENCE:
As described and attached:
DEFINITIONS
GENERAL CONDITION(S) (4)
AIR POLLUTION CONTROL CONDITION(S) (5)
WATER POLLUTION CONTROL CONDITIONS (3)
ATTACHMENT(S) (2)

.....

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

Date of Issue: Thursday, 10 April 2014

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT REGULATION

Environmental Protection Act 1986

LICENCE NUMBER: L7291/1995/9 **FILE NUMBER: MG213**

PREAMBLE

Applicability

This licence is issued to Cockburn Cement Ltd (ACN 008 673 470) for the operation of the Dongara Lime Plant located on M70/311, Victoria Location 11702, Kailis Drive, Dongara, WA, 6525 (Attachment 1) which is a prescribed premises within Schedule 1 of the Environmental Protection Regulations.

This facility is prescribed within Schedule 1 of the Environmental Protection Regulations 1987 as outlined in Table 1;

Table 1: Categories under which the Dongara Lime Plant is prescribed;

Category number	Category name	Description
43	Cement or lime manufacturing	Premises on which – (a) clay, limesand or limestone material is used in a furnace or kiln in the production of cement clinker or lime; or (b) cement clinker, clay limestone or similar material is ground.

Nominal Rated Throughput

The nominal rated throughput of the premises covered by this licence is in accordance with the following:

- The quantity of material produced from this premises shall not exceed 100,000 tonnes per year.

Any significant increase (greater than 10% per cent) above the nominal rated throughput listed shall not occur unless the licensee has been granted prior approval in writing from the Director under the provisions of the *Environmental Protection Act 1986*.

Emergency, Accident or Malfunction

The licensee should inform the Department of Environment Regulation as soon as practicable of the identification of any discharge of waste which has occurred as a result of an emergency, accident or malfunction, or extreme weather conditions, otherwise than in accordance with any condition of this licence and has caused or is likely to cause pollution.

Alteration to Premises

Prior to making any significant alterations to the premises which may affect the air, water or noise emissions from the premises the licensee must submit a proposal to the Director accompanied by supporting information and plans which allow the environmental impact of the change to be assessed.

General Requirements

The following statements reflect important sections of the *Environmental Protection Act 1986* and are included for the information of the licensee:

- The licensee should take all reasonable and practicable measures to prevent pollution of the environment.
- Noise emissions from operations on site are required to comply with the *Environmental Protection (Noise) Regulations 1997.*
- The licensee should take all reasonable and practicable measures to prevent or minimise the discharge of waste and the emission of noise, odours or electromagnetic radiation from the premises.
- The licensee should inform the Director at least 24 hours prior to the commencement of any planned non-standard operations, which may have the potential to cause pollution.

CONDITIONS OF LICENCE

DEFINITIONS

In these conditions of licence, unless inconsistent with the text or subject matter:

"advise" means advise in writing from time to time;

"approved" or "approval" means approved or approval in writing from time to time;

"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
Department of Environment Regulation
PO Box 72
GERALDTON WA 6531

Telephone: (08) 9964 0901
Facsimile: (08) 9921 5713

"limit" in relation to a stack discharge means regulatory requirement not to be breached;

"mg/m^3" means milligrams per cubic metre, expressed dry at 0 degrees Celsius and 1.0 atmosphere pressure (101.325 kilopascals);

"mg/m^3 at 7% O_2" means milligrams per cubic metre, expressed dry at 0 degrees Celsius, 1.0 atmosphere pressure (101.325 kilopascals) and referenced to an oxygen concentration of 7 percent by volume;

"NO_X concentration at 7% O_2" means

$$\text{Measured } NO_X \text{ concentration} \times \frac{[20.9\% \text{ volume} - 7.0\% \ O_2 \text{ Concentration (\% volume)}]}{[20.9\% \text{ volume} - \text{Measured } O_2 \text{ Concentration (\% volume)}]}$$

"NO_X" means the total combined amounts of nitrogen oxide and nitrogen dioxide;

"premises" for the purposes of this licence, is M70/311, Victoria Location Kailis Drive, Dongara, WA, 6525; and

"target" in relation to a stack discharge means the stack discharge concentration that the works has been designed to achieve when optimally configured and operating under normal conditions (i.e.: excluding start-up, shut-down and other upset conditions).

GENERAL CONDITIONS

PERSONS IN CHARGE TO HAVE ACCESS TO CONDITIONS

G1(a) The licensee shall ensure that any person left in charge of the premises is aware of these conditions of licence and has access at all times to this licence or copies thereof.

G1(b) The licensee shall ensure that any person who performs tasks on the premises is informed of all of the conditions in this licence that relate to the tasks which that person is performing.

REPORTING REQUIREMENTS

G2(a) The licensee shall submit to the Department of Environment and Conservation, an 'Incident Report' immediately upon becoming aware of any incident/activity on the premises which has, or may have, resulted in an unacceptable environmental impact, or as otherwise required by this licence.

G2(b) The licensee shall submit an 'Exceedence/Non-Compliance' Report within 7 days of becoming aware of any exceedence of licence limits or other form of non-compliance with the conditions in this licence, or as otherwise required by this licence, unless already addressed by part (a) of this condition.

ANNUAL AUDIT COMPLIANCE REPORT

G3 The licensee shall by **31 March** in each year, provide to the Director an Annual Audit Compliance Report in the form in Attachment 2 to this licence, signed and certified in the manner required by Section C of the form, indicating the extent to which the licensee has complied with the conditions of this licence, and any previous licence issued under Part V of the Act for the premises, during the period beginning **1 January** the previous year and ending on **31 December** in that year.

ANNUAL ENVIRONMENTAL REPORT

G4 The licensee shall submit an 'Annual Environmental Report' to the Director by **31 March** each year. The Annual Environmental Report shall cover the period prior to this date from **1 January to 31 December**, and shall:

Provide a brief background to approval of the project and an overview of the project and its processes, a current plan of the premises and a table showing quantities of raw materials used and the quality and quantity of wastes produced;

Discuss the results of any monitoring programs against background data, guidelines and/or limits set in the licence (data should be provided in tables and significant results should be presented in a graphical format);

Provide a summary of incident and exceedence reports and discussion of any significant responses taken to minimise the likelihood of reoccurrence; and

Discuss the operation of the project, compliance with conditions and its environmental performance to date.

This 'Annual Environmental Report' condition is consistent with the Department of Minerals and Petroleum's 'Annual Operational Audit Report'. With adequate consideration by the licensee, a single report would meet the requirements of both public authorities.

AIR POLLUTION CONTROL CONDITIONS

GENERAL PLANT - DUST GENERATION PREVENTION

A1(a) The licensee shall take all reasonable and practicable measures to prevent or minimise the generation of dust from all materials handling operations, stockpiles, open areas and transport activities, so that no visible dust crosses the boundary of the premises.

A1(b) The licensee shall take appropriate measures to suppress dust from haul roads, stockpile access roads and work areas.

A1(c) The licensee shall take all reasonable and practicable measures to prevent or minimise dust emissions from plant and associated equipment.

DUST - MAINTENANCE OF COLLECTION AND CONTROL SYSTEMS

A2(a) The licensee shall maintain all installed dust collection and dust control systems on the lime kiln raw feed and products conveying screening and grinding plant, including the lime products silo as well as covering on conveyors, screen decks, transfer and discharge points, skirtings and dust filters.

A2(b) All baghouses, dust collectors or any system designed to remove dust from any air exhaust or emission point shall have an adequate schedule of equipment inspection and maintenance so that the concentration of particulate material within the exhaust gases is in accordance with condition A3.

A2(c) The licensee shall routinely examine filter bags for evidence of leaks or unacceptable build up of a hard layer on the surfaces. The filter bags shall be replaced immediately if necessary.

A2(d) Spare filter bags shall be kept by the licensee on the premises.

STACK - PARTICULATES EMISSION LIMIT

A3 The concentration of particulate material in the exit gases from any stack shall not exceed 150 milligrams per cubic metre, expressed dry at 0 degrees Celsius and 1.0 atmosphere pressure (101.325 kilopascals). The addition of dilutent gases shall not be used to achieve compliance with the above emissions limit.

LIME KILN STACK - NOx DISCHARGE LIMIT AND TARGET

A4 During normal operation, gaseous discharges from the stack serving the lime kiln shall not exceed the values specified in the table below:

Discharge Limit	**Stack Exit Concentration**
Total Nitrogen Oxides and Nitrogen Dioxides (NOx)	< 350 mg/m^3 at 7% O_2
Discharge Target	**Stack Exit Concentration**
Total Nitrogen Oxides and Nitrogen Dioxides (NOx)	< 150 mg/m^3 at 7% O_2

Note: Discharge parameters provided in the above table are acceptable based on a lime kiln stack discharge volume of 30.5 m^3/s at 260 degrees Celsius.

STACK TESTING AND REPORTING OF RESULTS

A5(a) The licensee shall perform an annual source test in accordance with USEPA Methods 1, 2 and 5 for the purpose of measuring the following parameters:
(i) concentration of nitrogen oxide and nitrogen dioxide;
(ii) concentration of particulates;
(iii) fuel feed rate and electrical power output over the duration of the test;
(iv) moisture content;
(v) volume flow rate;
(vi) temperature;
(vii) oxygen concentration; and
(viii) carbon monoxide

A5(b) The results of the source test detailed in part (a) of this condition shall be included in the Annual Environmental Report and submitted in accordance with condition G4.

WATER POLLUTION CONTROL CONDITIONS

LIQUID CHEMICAL STORAGE

W1(a) The licensee shall store environmentally hazardous chemicals including fuel, oil or other hydrocarbons (where the total volume of each substance stored on the premises exceeds 250 litres) within low permeability (10^{-9} metres per second or less) compound(s) designed to contain not less than 110% of the volume of the largest storage vessel or inter-connected system, and at least 25% of the total volume of substances stored in the compound.

W1(b) The compound(s) described in part (a) to this condition shall:

(i) be graded or include a sump to allow recovery of liquid;

(ii) be chemically resistant to the substances stored;

(iii) include valves, pumps and meters associated with transfer operations wherever practical. Otherwise the equipment shall be adequately protected;

(iv) (eg. bollards) and contained in an area designed to permit recovery of chemicals released following accidents or vandalism;

(v) be designed such that jetting from any storage vessel or fitting will be captured within the bunded area [see for example Australian Standard 1940-1993 Section 5.9.3 (g)];

(vi) be designed such that chemicals which may react dangerously if they come into contact, are in separate bunds in the same compound or in different compounds; and

(vii) be controlled such that the capacity of the bund is maintained at all times (e.g. regular inspection and pumping of trapped uncontaminated rain water).

W1(c) The licensee shall immediately remove and dispose of any liquid resulting from spills or leaks of chemicals including fuel, oil or other hydrocarbons, whether inside or outside the low permeability compound(s). All collected liquids to be exported off-site for recycling and solids to be disposed of in accordance with the "Landfill Waste Classification and Waste Definitions 1996 (as amended)".

VEHICLE WASHDOWN AREAS

W2 The licensee shall ensure vehicle washdown areas are equipped with fuel/oil traps and provisions to ensure detergents or solvents are properly contained and disposed of.

WASTE MANAGEMENT FROM ANCILLARY PREMISES

W3(a) The licensee shall install and maintain bunding, drains and sealed collection sumps around the mechanical workshops, laboratory and power generation areas to enable recovery of spillages. Collected matter shall be disposed of by export off-site.

W3(b) The licensee shall collect waste lubricants and hydraulic fluids in holding tanks for recycling and disposal off-site.

W3(c) The licensee shall ensure that any slurry pit, settling ponds, silt traps and fuel/oil traps shall be maintained and cleaned out, as appropriate, to ensure the continued performance of the system.

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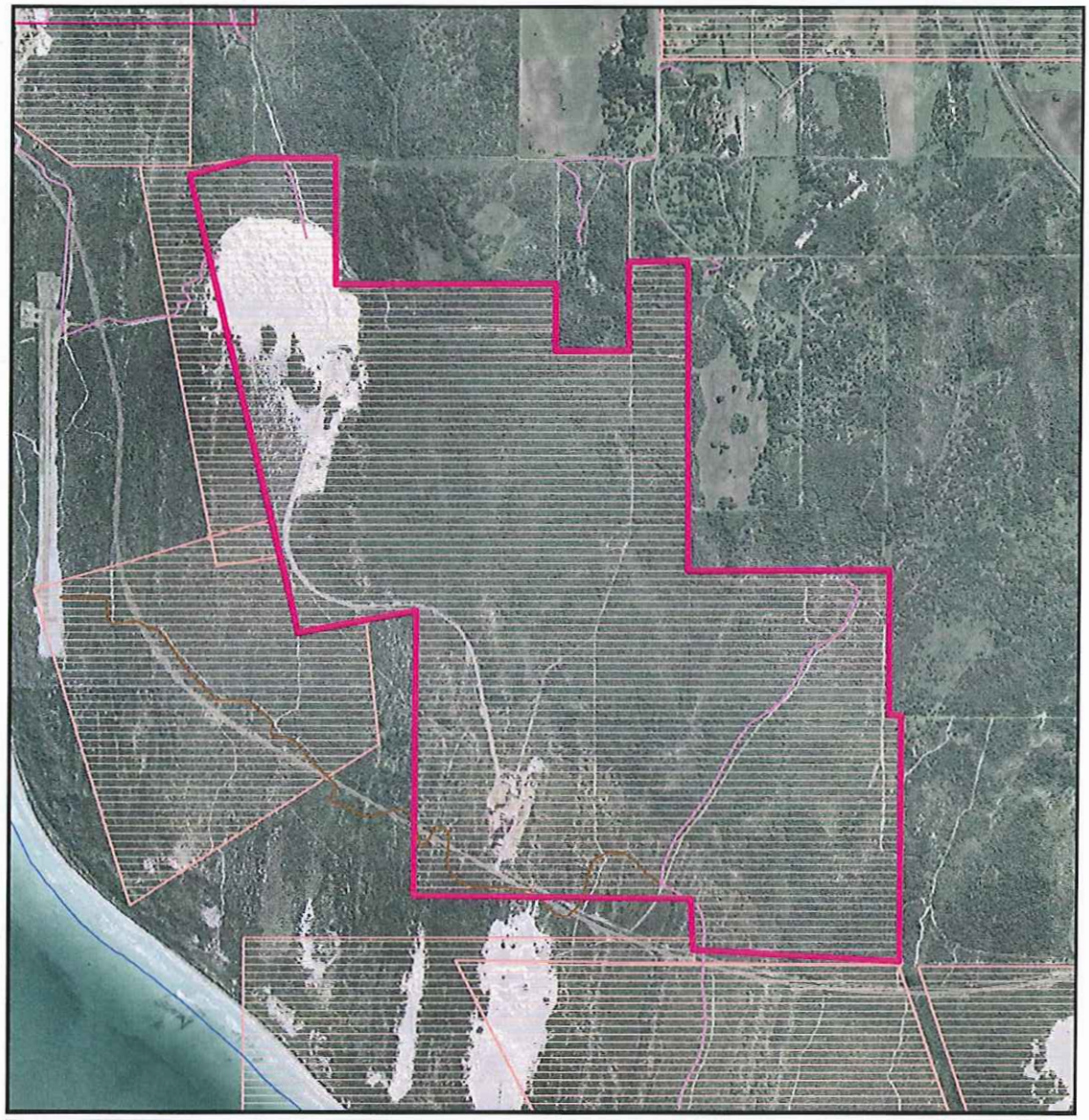
Officer delegated under Section 20
of the *Environmental Protection Act 1986*

Date of Issue: Thursday 10 April 2014

Attachment 1: Location of the Dongara Lime Plant on M70/311, Victoria Location 11702, Kailis Drive, Dongara, WA, 6525.



LEGEND

- Local Rd - Other
- Local Rd - Sealed
- No classification
- Coastline - DOLA
- Town Site Boundaries - DOLA 27/09/02
- Mining Tenements - DOIR 1/09/03
- Dongara 1m Orthomosaic - DOLA 01

N

0 500 m

Scale 1:22,649
(Approximate when reproduced at A4)

Geocentric Datum of Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Prepared by: CheckeS
Prepared for:
Date: Monday, 8 November 2004 11:39

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.

Department of Environment

WA Crown Copyright 2003

Attachment 2: Annual Audit Compliance Report

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: Trading as:	ABN:
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:

WESTERN AUSTRALIA

DEPARTMENT OF ENVIRONMENT REGULATION

Environmental Protection Act 1986

LICENCE NUMBER: L7291/1995/9 **FILE NUMBER: MG213**

SECTION B

DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

Please use a separate page for each Licence condition that was not complied with.

a) Licence condition not complied with:	
b) Date(s) when the non compliance occurred, if applicable:	
c) Was this non compliance reported to DER?:	
☐ Yes ☐ Reported to DER verbally Date _____ ☐ Reported to DER in writing Date _____	☐ No
d) Has DER taken, or finalised any action in relation to the non compliance?:	
e) Summary of particulars of the 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:	

Each page must be initialled by the person(s) who signs Section C of this 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	☐ ☐	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	☐ ☐	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	☐ ☐ ☐ ☐ ☐ ☐	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 Chief Executive Officer of the Department of Environment Regulation.
A public authority (other than a local government)	☐ ☐	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	☐ ☐	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: _____

NAME:
(printed) _____

POSITION: _____

DATE: _____/_____/_____

SIGNATURE: _____

NAME:
(printed) _____

POSITION: _____

DATE: _____/_____/_____

SEAL (if signing under seal)