



# Licence

## Environmental Protection Act 1986, Part V

**Licensee:** Holcim (Australia) Pty Ltd

**Licence:** L4698/1967/12

**Registered office:** Holcim (Australia) Pty Ltd  
799 Pacific Highway  
CHATSWOOD NSW 2067

**ACN:** 099 732 297

**Premises address:** Holcim (Australia) Pty Ltd – Bunbury Quarry Gelorup  
Jules Road  
GELORUP WA 6230  
Being Lot 2644 on Plan 248973 & Lot 348 on Plan 284930 as depicted in  
Schedule 1.

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

**Commencement date:** Tuesday, 1 October 2013

**Expiry date:** Friday, 30 September 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
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	500,000 tonnes per annual period

### 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.

### Who we are

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.

### Our industry licensing role

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.

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**

Holcim (Australia) Pty Ltd (Holcim), formally CEMEX Australia, and Rinker (Readymix) prior to that, operates the Bunbury Quarry in the locality of Gelorup in Western Australia's South West. The Bunbury Quarry is located on Lots 348 and 2644 Gelorup, approximately 8 km of the Bunbury city centre in the Shire of Capel. Bunbury Quarry is used to extract basalt and has been operational since 1954, when it acquired the site from another operator.

Holcim provides premixed concrete, aggregates, gravel and sand to the construction industry and has been operating in Australia since 1939. The Bunbury Quarry supplies aggregate for concrete which is used in residential and commercial construction, rock for road (base course) and rail (ballast) construction, armour rock and drainage aggregate.

To enable extraction activities at the Bunbury Quarry, overburden and (organic surface material, historically pasture) is stripped to expose the next production area. The overburden varies from one to five metres in depth. The overburden stripped during the pre-extractive stage is used to form safety, noise reduction and visual amenity bunds around the pits.

Once the annual production area is exposed, in-pit operations consist of drilling and blasting of hard rock. The hard rock is then passed through a crushing a screening plant to produce the final product which is then stockpile for transportation. The Holcim plant has a design capacity of 2,000,000 tonnes per annum but is assessed and authorised to produce a maximum of 500,000 tonnes per annum.

Dust and noise are the main emissions associated with the operation of this facility and is classified as a medium risk to the environment which if managed as per Holcim commitments it should not result in significant impacts to the environment.

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 01/10/2000 are:

Instrument log		
Instrument	Issued	Description
L4698/1967/5	28/09/2000	Licence re-issue
L4698/1967/6	08/10/2001	Licence re-issue
L4698/1967/7	16/09/2002	Licence re-issue
L4698/1967/8	22/09/2003	Licence re-issue
L4698/1967/9	07/09/2004	Licence re-issue
L4698/1967/10	18/10/2007	Licence re-issue
L4698/1967/11	24/09/2010	Licence re-issue
L4698/1967/12	26/09/2013	Licence re-issue (converted 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 In the Licence, unless the contrary intention appears:

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

“annual period” means the period from 1 January until 31 December in the following year;

“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;

“contact address” for the purpose of correspondence and advice means:

Manager, South West Region  
Department of Environment and Conservation  
PO Box 1693  
BUNBURY WA 6230  
Telephone: (08) 9725 4300  
Facsimile: (08) 9725 4351  
Email: [southwestregion.industryregulation@DER.wa.gov.au](mailto:southwestregion.industryregulation@DER.wa.gov.au)

“controlled waste” has the definition in Regulation 2 of the 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 and Conservation for and on behalf of the Chief Executive Officer as delegated under Section 20 of the *Environmental Protection Act 1986*;

“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;

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

“Licence” means this licence numbered L4698/1967/12 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;

“**waste**” has the meaning defined in the *Environmental Protection Act 1986*;

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.

## 1.2 General conditions

1.2.1 Nothing in this Licence shall be taken to authorise any emission that is not mentioned in this 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 internal management system.

1.2.3 The Licensee, except where storage is prescribed in section 1.3, shall only store substances that are classed as dangerous goods below placard quantities or environmentally hazardous materials not classified as dangerous goods if they 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.

### Stormwater control

1.2.5 The Licensee shall ensure that uncontaminated stormwater is kept separate from contaminated or potentially contaminated stormwater. Where stormwater has come into contact with a possible source of contamination it should be treated as contaminated.

## 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.



**2.2-2.4 Point source emissions to air, surface water and groundwater**

There are no specified conditions relating to monitoring of point source emissions to air, surface water or 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**

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, all materials handling operation including the crushing plant and associated activities, stockpiles, open areas and transport activities on the Premises crosses the boundary of the Premises.

**2.7 Odour**

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

**2.8 Noise/Vibration**

2.8.1 The licensee shall manage emissions such that they do not cause an exceedance of the limits in Table 2.8.1.

<b>Table 2.8.1: Noise/Vibration Emission limits</b>			
<b>Monitoring point reference</b>	<b>Parameter</b>	<b>Limit (including units)</b>	<b>Reference period</b>
Blast Monitoring Site*	Peak particle velocity	10 mm/sec	Any single blast
		Not more than one blast shall exceed 5 mm/sec	Any 10 consecutive blasts (regardless of interval between blasts)**

\*Minimum of two (2) locations, and at least the longest dimension of the foundations of a building or structure away from such building or structure.

\*\*With exception of a maximum (6) blasts per calendar year as part of the on-going establishment of the vibration reduction trench.

**3 Monitoring**

**3.1 General monitoring**

3.1.1 The licensee shall ensure that:

- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
- (b) all wastewater samples are collected in accordance with AS/NZS 5667.10; and
- (c) all samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured.



- 3.1.2 The Licensee shall have all monitoring equipment referred to in any condition of the Licence calibrated in accordance with the manufacturer's specifications and the requirements of the Licence and any relevant Australian standard.
- 3.1.3 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.

**3.2-3.4 Monitoring of point source emissions to air, surface water and groundwater**

There are no specified conditions relating to monitoring of point source emissions to air, surface water or groundwater in this section.

**3.5 Monitoring of emissions to land**

- 3.5.1 The Licensee shall undertake the monitoring specified in Table 3.5.1 and record it.

<b>Table 3.5.1: Monitoring of ambient surface water quality</b>					
<b>Monitoring point reference</b>	<b>Parameter</b>	<b>Units</b>	<b>Limits</b>	<b>Averaging period</b>	<b>Frequency</b>
North West discharge point	Oil and Grease (hexane soluble)	mg/L	*Not greater than 5 mg/L	Spot sample	Monthly (after flows first commence)
	Total Suspended Solids (TSS)	mg/L	Not greater than 80 mg/L		
	Total Dissolved Solids (TDS)	mg/L	-		
Lot 348 Pit Sump	Volume	m <sup>3</sup>		Spot sample	Monthly (while discharging)
	Oil and Grease (hexane soluble)	mg/L	*Not greater than 5 mg/L		
	Total Suspended Solids (TSS)	mg/L	Not greater than 80 mg/L		
	Total Dissolved Solids (TDS)	mg/L	-		

\*Shall cause no discoloration, odour, deposit or floating matter to any receiving waters.

**3.6 Monitoring of inputs and outputs**

There are no specified conditions relating to monitoring of inputs and outputs in this section.

**3.7 Process monitoring**

There are no specified conditions relating to process monitoring in this section.

**3.8 Ambient environmental quality monitoring**

There are no specified conditions relating to ambient environmental quality monitoring in this section.

**3.9 Meteorological monitoring**

There are no specified conditions relating to meteorological monitoring in this section.



### 3.10 Noise/Vibration monitoring

3.10.1 The Licensee shall undertake the monitoring specified in Table 3.10.1.

Table 3.10.1 Noise/Vibration Emissions monitoring				
Monitoring point reference	Parameter	Units	Reference period	Frequency
Blast Monitoring Site*	Air-Blast	dB		For each blast
	Peak particle velocity	mm/sec		

\*Minimum of two (2) locations, and at least the longest dimension of the foundations of a building or structure away from such building or structure.

## 4 Improvements

There are no specified conditions relating to improvements 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 condition of the land or groundwater.

5.1.2 The Licensee shall ensure that:

- (a) any person left in charge of the Premises is aware of the conditions of this Licence and has access at all times to this Licence or copies thereof; and
- (b) any person who performs tasks on the Premises is informed of all of the conditions of this 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 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 at the Contact Address an Annual Environmental Report within 59 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.

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 year and any action taken	None specified
3.5.1	Oil and Grease; TDS; TSS and Volume	LR1
5.1.3	Compliance	AACR
5.1.4	Complaints summary	None specified
3.10.1	Noise/vibration monitoring	
-	A brief overview of the project for the annual period and an up to date plan of the premises	
-	Monthly quantity of raw material mined (in tonnes)	
-	Measures taken to suppress dust	
-	Measures taken to minimise noise	
-	An explanation of the monitoring results with respect to environmental impacts of the project	

Note 1: Forms are in Schedule 2

5.2.2 The Licensee shall provide to the Director, within two (2) days, the monitoring results from each blast.

## 5.3 Notification

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

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.	N1
2.1.1 / 2.8.1	Breach of any limit specified in the Licence	Part B: As soon as practicable	

Note 1: No notification requirement in the Licence shall negate the requirement to comply with s72 of the Act.

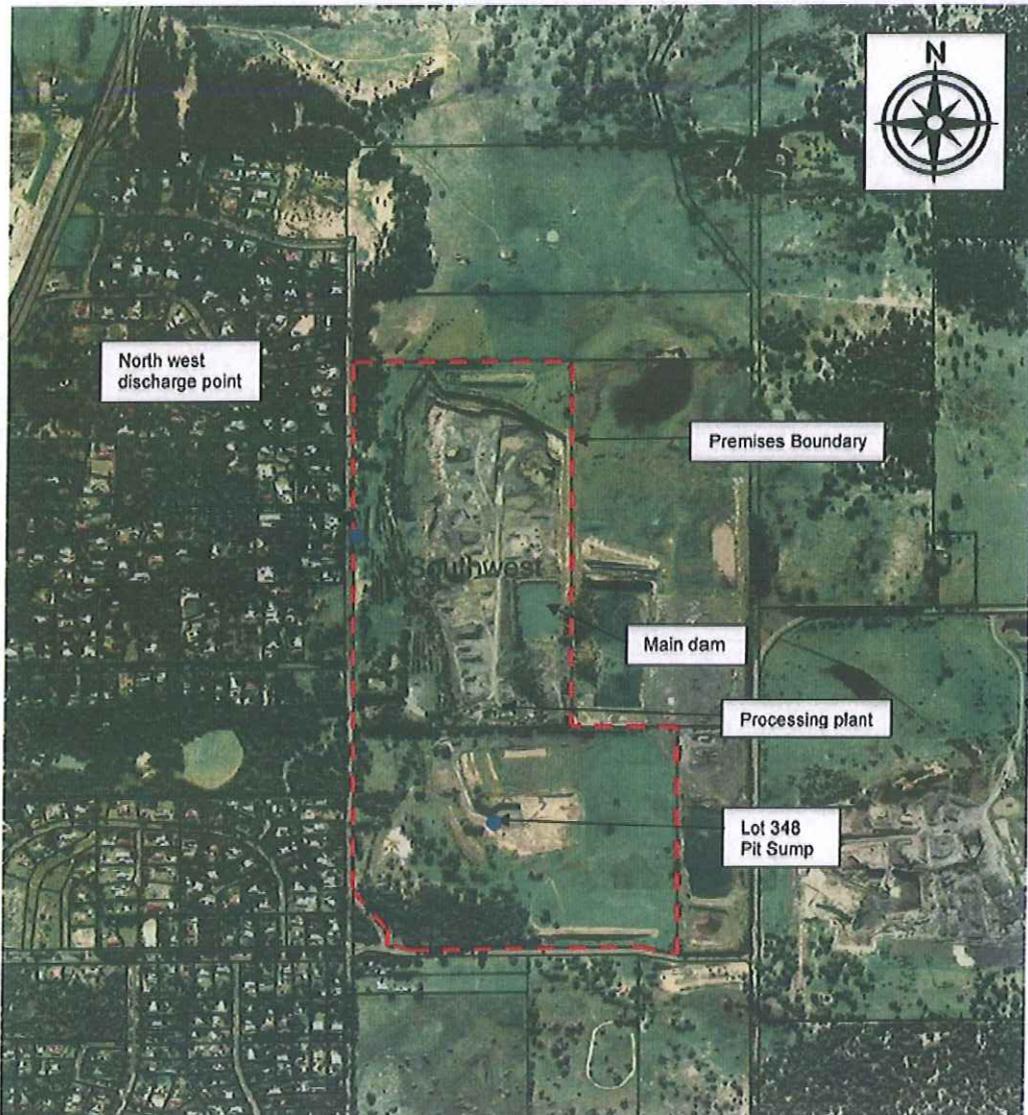
Note 2: Forms are in Schedule 2.



## Schedule 1: Maps

### Premises map

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





## Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by this licence. They can be requested in an electronic format.

Copies of the original monitoring reports must also be submitted.

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Licence: L4698/1967/12 Licensee: Holcim (Australia) Pty Ltd  
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 reporting 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**

<b>a) Licence condition not complied with?</b>	
<b>b) Date(s) and time(s) the non compliance occurred, if applicable?</b>	
<b>c) Was this non compliance reported to DER?</b>	
<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
<b>d) Has DER taken, or finalised any action in relation to the non compliance?</b>	
<b>e) Summary of particulars of non compliance, and what was the environmental impact?</b>	
<b>f) If relevant, the precise location where the non compliance occurred (attach map or diagram)</b>	
<b>g) Cause of non compliance</b>	
<b>h) Action taken or that will be taken to mitigate any adverse effects of the non compliance</b>	
<b>i) Action taken or that will be taken to prevent recurrence of the non compliance</b>	

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 may 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"/> by the individual licence holder, or <input type="checkbox"/> 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"/> by affixing the common seal of the Licensee in accordance with the Corporations Act 2001; or <input type="checkbox"/> by two directors of the Licensee; or <input type="checkbox"/> by a director and a company secretary of the Licensee, or <input type="checkbox"/> if the Licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or <input type="checkbox"/> by the principal executive officer of the Licensee; or <input type="checkbox"/> 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"/> by the principal executive officer of the Licensee; or <input type="checkbox"/> 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"/> by the CEO of the Licensee; or <input type="checkbox"/> 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:

Signature:

Name: (printed)

Name: (printed)

Position:

Position:

Date:

Date:

Seal (if signing under seal)



Licence: L4698/1967/12  
Form: N1

Licensee: Holcim (Australia) Pty Ltd  
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	L4698/1967/12
Name of operator	Holcim (Australia) Pty Ltd
Location of Premises	
Time and date of the detection	

<b>Notification requirements for the breach of a limit</b>	
<b>To be notified as soon as practicable and no later than 5PM of the next working day</b>	
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	

<b>Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution</b>	
<b>To be notified as soon as practicable and no later than 5PM of the next working day</b>	
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 - to be submitted as soon as practicable**

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 unauthorised emissions from the installation in the preceding 24 months.	

Name	
Post	
Signature on behalf of Holcim (Australia) Pty Ltd	
Date	



Government of Western Australia  
Department of Environment Regulation

Licence: L4698/1967/12  
 Form: LR1  
 Name: Monitoring of point source emissions to land  
 Licensee: Holcim (Australia) Pty Ltd  
 Period :

Form LR1: Monitoring of point source emissions to land						
Emission point	Parameter	Limit	Result	Averaging period	Method	Sample date & times
North West discharge point	Total Dissolved Solids (TDS)	-	mg/L	Spot sample		
	Total Suspended Solids (TSS)	Not greater than 80 mg/L	mg/L	Spot sample		
	Oil & Grease (hexane soluble)	Not greater than 5 mg/L	mg/L	Spot sample		
Lot 348 Pit Sump	Volume	-	m <sup>3</sup>	Spot sample		
	Total Dissolved Solids (TDS)	-	mg/L	Spot sample		
	Total Suspended Solids (TSS)	Not greater than 80 mg/L	mg/L	Spot sample		
	Oil & Grease (hexane soluble)	Not greater than 5 mg/L	mg/L	Spot sample		

Note 1: All units are referenced to STP dry

Signed on behalf of Holcim (Australia) Pty Ltd ..... Date: .....

