



Environment Protection Licence

Licence - 13213

Licence Details	
Number:	13213
Anniversary Date:	21-August

Licensee	
CEAL LIMITED	
PO BOX 4	
AUSTRAL NSW 2171	

Premises	
"ARDMORE PARK" QUARRY	
5152 OALLEN FORD ROAD	
BUNGONIA NSW 2580	

Scheduled Activity	
Crushing, grinding or separating	
Extractive activities	

Fee Based Activity	Scale
Crushing, grinding or separating	> 100000-500000 T annual processing capacity
Extractive activities	> 100000-500000 T annually extracted or processed

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Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).



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The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

CEAL LIMITED
PO BOX 4
AUSTRAL NSW 2171

subject to the conditions which follow.



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1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity
Extractive activities	Extractive activities	> 100000 - 500000 T annually extracted or processed

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
"ARDMORE PARK" QUARRY
5152 OALLEN FORD ROAD
BUNGONIA
NSW 2580
LOT 24 DP 1001312

A3 Information supplied to the EPA

A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.



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2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

Air			
EPA identi- fication no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Dust Monitoring Point		"Inverary Park" 40 Broadhead Lane, Bungonia, NSW 2580
2	Dust Monitoring Point		"The Osiers" 5028 Oallen Ford Road, Bungonia, NSW 2580
3	Dust Monitoring Point		"Lochmoor Lodge" 5046 Oallen Ford Road, Bungonia, NSW 2580
4	Dust Monitoring Point		Ardmore Park Quarry - Front Entrance

Note: Monitoring points 1 to 4 are shown in the document "Environmental Monitoring Locations Ardmore Park Quarry | EPL 13213", prepared by CEAL Limited, July 2020, and held on file by the EPA as DOC20/616852.

P1.2 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

P1.3 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land			
EPA Identi- fication no.	Type of Monitoring Point	Type of Discharge Point	Location Description
5	Groundwater monitoring point. Hard rock bore.		BHAP1
6	Groundwater monitoring point. Hard rock bore.		BHAP5
7	Groundwater monitoring point. Hard rock bore.		BHAP6
8	Groundwater monitoring point. Hard rock bore.		BHAP10
14	Groundwater monitoring point. Shallow sand bore.		BH6
15	Surface water monitoring point.		Phil's Spring
16	Surface water monitoring point.		Southern Spring
17	Surface water monitoring point.		Western Spring

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18	Groundwater monitoring point. Shallow sand bore.	BHS1
19	Groundwater monitoring point. Shallow sand bore.	BHS2
20	Groundwater monitoring point. Shallow sand bore.	BHS3
21	Groundwater monitoring point. Shallow sand bore.	BHS4
22	Groundwater monitoring point. Shallow sand bore.	BHS5
23	Groundwater monitoring point. Shallow sand bore.	BHS6
24	Water quality monitoring	'Old Pit' labelled "S1" - Figure 1, in document titled "Statement of Environmental Effects" 16 November 2022 (DOC22/1025421)
25	Volume monitoring	Volumetric flow meter labelled "M2" Figure 8 in document titled "Statement of Environmental Effects" 16 November 2022 (DOC22/1025421)
26	Discharge to Waters	Point where discharge from 'Old pit' crosses premises boundary labelled "D1"- Figure 1 in document titled "Statement of Environmental Effects" 16 November 2022 (DOC22/1025421)
27	Ambient Water Quality Monitoring	Upstream ambient monitoring point labelled "US" - Figure 7, in document titled "Statement of Environmental Effects" 16 November 2022 (DOC22/1025421)
28	Ambient Water Quality Monitoring	Representative downstream ambient water quality monitoring - location to be advised by licensee
29	Ambient Water Quality Monitoring	Discharge Channel Dam labelled "DCD" in Figure 5, in document titled "Statement of Environmental Effects" 16 November 2022 (DOC22/1025421)

Note: Monitoring points 5-8 and 14-23 are shown in the document "Environmental Monitoring Locations Ardmore Park Quarry | EPL 13213", prepared by CEAL Limited, July 2020, and held on file by the EPA as DOC20/616852.

3 Limit Conditions

L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.



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L2 Concentration limits

- L2.1 For each monitoring/discharge point or utilisation area specified in the table/s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.
- L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.
- L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table/s.
- L2.4 Water and/or Land Concentration Limits

POINT 26

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Electrical conductivity	deciSiemens per metre				500
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				30

L3 Waste

- L3.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled “Waste” and meeting the definition, if any, in the column titled “Description” in the table below.
- Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled “Activity” in the table below.
- Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled “Other Limits” in the table below.
- This condition does not limit any other conditions in this licence.

Code	Waste	Description	Activity	Other Limits
NA	Virgin excavated natural material	As defined in Schedule 1 of the POEO Act, in force from time to time.	Waste disposal (application to land) Waste storage	

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L4 Noise limits

L4.1 Noise generated at the premises must not exceed the noise limits presented in the table below:

Noise Assessment Location	Address	LAeq (15 minute)
Residence 1	"Reevesdale" 346 Inverary Road, Bungonia, NSW 2580	35
Residence 2	"Inverary" 590 Inverary Road, Bungonia, NSW 2580	35
Residence 3	"Inverary Park" 40 Broadhead Lane, Bungonia, NSW 2580	35
Residence 4	"Damar Lodge" 5025 Oallen Ford Road, Bungonia, NSW 2580	35
Residence 5	"The Osiers" 5028 Oallen Ford Road, Bungonia, NSW 2580	35
Residence 6	"Lochmoor Lodge" 5046 Oallen Ford Road, Bungonia, NSW 2580	36
Residence 8	"Lumley Park" Bungonia, NSW 2580	35
Residence 9	The primary private residence at 5194 Oallen Ford Road, Bungonia, NSW 2580	36

Note: The Noise Assessment Locations as shown in the table above are shown in the document "Neighbouring Receivers Ardmore Park Quarry | EPL 13213", prepared by CEAL Limited, July 2020, and held on file by the EPA as DOC20/616844.

L4.2 Noise generated by the project is to be measured in accordance with the relevant requirements of the NSW Industrial Noise Policy.

L5 Hours of operation

L5.1 The licensee must comply with the operating hours in the Table below:

Activity	Day	Time
Construction Work	Monday - Friday	7.00am to 6.00pm
	Saturday	8.00am to 1.00pm
	Sunday and Public Holidays	None
Quarrying, processing (including overburden removal) and product transportation	Monday - Friday	7.00am to 6.00pm
	Saturday	7.00am to 1.00pm
	Sunday and Public Holidays	None

4 Operating Conditions

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O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.

This includes:

- a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
- b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:

- a) must be maintained in a proper and efficient condition; and
- b) must be operated in a proper and efficient manner.

O3 Dust

O3.1 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.

O4 Processes and management

O4.1 The activities carried out at the premises must be undertaken in accordance with the "Ardmore Park Quarry Water Management Plan", prepared by R.W. Corkery & Co. Pty Limited, Strategic Environmental and Engineering Consulting and Larry Cook & Associates Pty Ltd August, 2010.

5 Monitoring and Recording Conditions

M1 Monitoring records

M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.

M1.2 All records required to be kept by this licence must be:

- a) in a legible form, or in a form that can readily be reduced to a legible form;
- b) kept for at least 4 years after the monitoring or event to which they relate took place; and
- c) produced in a legible form to any authorised officer of the EPA who asks to see them.

M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:

- a) the date(s) on which the sample was taken;
- b) the time(s) at which the sample was collected;
- c) the point at which the sample was taken; and
- d) the name of the person who collected the sample.

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M2 Requirement to monitor concentration of pollutants discharged

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Air Monitoring Requirements

POINT 1,2,3,4

Pollutant	Units of measure	Frequency	Sampling Method
Particulates - Deposited Matter	grams per square metre per month	Monthly	Australian Standard 3580.10.1-2003

M2.3 Water and/ or Land Monitoring Requirements

POINT 5,6,7,8

Pollutant	Units of measure	Frequency	Sampling Method
Calcium	milligrams per litre	Yearly	Grab sample
Chloride	milligrams per litre	Yearly	Grab sample
Electrical conductivity	deciSiemens per metre	Yearly	Grab sample
Iron	milligrams per litre	Yearly	Grab sample
Magnesium	milligrams per litre	Yearly	Grab sample
Manganese	milligrams per litre	Yearly	Grab sample
pH	pH	Yearly	Grab sample
Potassium	milligrams per litre	Yearly	Grab sample
Sodium	milligrams per litre	Yearly	Grab sample
Sulfate	milligrams per litre	Yearly	Grab sample
Total dissolved solids	milligrams per litre	Yearly	Grab sample

POINT 5,6,7,8,14,18,19,20,21,22,23

Pollutant	Units of measure	Frequency	Sampling Method
Standing Water Level	metres (Australian Height Datum)	Monthly	In situ

POINT 14,15,16,18,19,20,21,22,23

Pollutant	Units of measure	Frequency	Sampling Method
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Benzene	milligrams per litre	Quarterly	Grab sample
Calcium	milligrams per litre	Quarterly	Grab sample
Chloride	milligrams per litre	Quarterly	Grab sample
Electrical conductivity	deciSiemens per metre	Quarterly	Grab sample
Ethyl benzene	milligrams per litre	Quarterly	Grab sample
Iron	milligrams per litre	Quarterly	Grab sample
Manganese	milligrams per litre	Quarterly	Grab sample
pH	pH	Quarterly	Grab sample
Potassium	milligrams per litre	Quarterly	Grab sample
Sodium	milligrams per litre	Quarterly	Grab sample
Sulfate	milligrams per litre	Quarterly	Grab sample
Toluene	milligrams per litre	Quarterly	Grab sample
Total dissolved solids	milligrams per litre	Quarterly	Grab sample
Total petroleum hydrocarbons	milligrams per litre	Quarterly	Grab sample
Xylene	milligrams per litre	Quarterly	Grab sample

POINT 15,16

Pollutant	Units of measure	Frequency	Sampling Method
Flow	litres per day	Monthly	In situ

POINT 17

Pollutant	Units of measure	Frequency	Sampling Method
Benzene	milligrams per litre	Special Frequency 1	Grab sample
Calcium	micrograms per litre	Special Frequency 1	Grab sample
Chloride	milligrams per litre	Special Frequency 1	Grab sample
Electrical conductivity	deciSiemens per metre	Special Frequency 1	Grab sample
Ethyl benzene	milligrams per litre	Special Frequency 1	Grab sample
Flow	litres per day	Special Frequency 2	In situ
Iron	milligrams per litre	Special Frequency 1	Grab sample
Manganese	milligrams per litre	Special Frequency 1	Grab sample
Potassium	milligrams per litre	Special Frequency 1	Grab sample
Sodium	milligrams per litre	Special Frequency 1	Grab sample
Sulfate	milligrams per litre	Special Frequency 1	Grab sample
Toluene	milligrams per litre	Special Frequency 1	Grab sample
Total dissolved solids	milligrams per litre	Special Frequency 1	Grab sample
Total petroleum hydrocarbons	milligrams per litre	Special Frequency 1	Grab sample
Xylene	milligrams per litre	Special Frequency 1	Grab sample

POINT 24

Pollutant	Units of measure	Frequency	Sampling Method
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Chemical oxygen demand	milligrams per litre	Monthly during discharge	Grab sample
Electrical conductivity	deciSiemens per metre	Monthly during discharge	Grab sample
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
TSS	milligrams per litre	Monthly during discharge	Grab sample

POINT 25

Pollutant	Units of measure	Frequency	Sampling Method
Volumetric flowrate	kilolitres per day	Continuous during discharge	Continuously

POINT 27

Pollutant	Units of measure	Frequency	Sampling Method
Chemical oxygen demand	milligrams per litre	Monthly during discharge	Grab sample
Electrical conductivity	deciSiemens per metre	Monthly during discharge	Grab sample
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
TSS	milligrams per litre	Monthly during discharge	Grab sample

POINT 28,29

Pollutant	Units of measure	Frequency	Sampling Method
Chemical oxygen demand	milligrams per litre	Monthly during discharge	Grab sample
Electrical conductivity	deciSiemens per metre	Monthly during discharge	Grab sample
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
TSS	milligrams per litre	Monthly during discharge	Grab sample

M2.4 Special Frequency 1 for Point 17 in the table above requires quarterly measurement of the pollutants during periods of flow.

M2.5 Special Frequency 2 for Point 17 in the table above requires monthly measurement of the pollutants during periods of flow.



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M3 Testing methods - concentration limits

- M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:
- a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
 - b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or
 - c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.

Note: The *Protection of the Environment Operations (Clean Air) Regulation 2021* requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".

- M3.2 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Weather monitoring

- M4.1 The licensee shall ensure that a meteorological station is in operation at the premises which is capable of continuously recording the meteorological parameters in the following table:

Measured Parameter	Unit	Sample interval
Average temperature	Degrees	10 minutes
Average relative humidity	Percent	10 minutes
Rainfall (10 minute)	mm	10 minutes
Aggregate rainfall	mm	10 minutes
Average wind speed	km/h	10 minutes
Std wind speed	km/h	10 minutes
Average wind direction	Degrees	10 minutes
Sigma Theta	Degrees	10 Minutes

M5 Recording of pollution complaints

- M5.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.
- M5.2 The record must include details of the following:
- a) the date and time of the complaint;

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- b) the method by which the complaint was made;
- c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
- d) the nature of the complaint;
- e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
- f) if no action was taken by the licensee, the reasons why no action was taken.

M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M6 Telephone complaints line

M6.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M6.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M6.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

6 Reporting Conditions

R1 Annual return documents

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

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- R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.
- R1.3 Where this licence is transferred from the licensee to a new licensee:
- a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
 - b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.
- R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:
- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
 - b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.
- R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').
- R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.
- R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
- a) the licence holder; or
 - b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

R2 Notification of environmental harm

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

- R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.
- R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which they became aware of the incident.

R3 Written report

- R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
- a) where this licence applies to premises, an event has occurred at the premises; or
 - b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,
- and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of

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the event.

- R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.
- R3.3 The request may require a report which includes any or all of the following information:
- a) the cause, time and duration of the event;
 - b) the type, volume and concentration of every pollutant discharged as a result of the event;
 - c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
 - d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
 - e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
 - f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
 - g) any other relevant matters.
- R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

7 General Conditions

G1 Copy of licence kept at the premises or plant

- G1.1 A copy of this licence must be kept at the premises to which the licence applies.
- G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.
- G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

8 Pollution Studies and Reduction Programs

U1 Licensed Discharge Trial

- U1.1 An eight (8) month Pollution Reduction Study (PRS) will commence from the date of notification by the licensee to the EPA, with the discharge to waters from the licenced premises going no longer than eight (8) months from this notification date.
- U1.2 The discharge trial must be undertaken in accordance with:
- a) the Statement of Environmental Effects dated 16 November 2022, received by the EPA on 16 November 2022 (DOC22/1025421);
 - and
 - b) in compliance with the conditions of the licence.

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- U1.3 The licensee must cease discharging from Point 26 at the end of the eight (8) month trial.
- U1.4 By end of the eight (8) month PRS trial, if the licensee intends to use turbidity (NTU) in place of Total Suspended Solids (TSS) to determine compliance with Condition L2.4, the licensee must:
- a) develop a statistical correlation which identifies the relationship between NTU and TSS for water quality in the 'Old pit' in order to determine the NTU equivalent of 30mg/L TSS before its use;
 - b) the licensee must provide the EPA with a copy of the statistical correlation assessment methodology and results; and
 - c) the licensee must develop and implement a method to enable the ongoing verification of the relationship between NTU and TSS.
- U1.5 Every two months from the commencement of the trial, until its completion, the licensee must submit a report to the EPA which includes:
- a) an analysis of the environmental monitoring results, including but not limited to, discharge water quality, ambient water quality monitoring and creek integrity monitoring;
 - b) volume of water released to the environment over the two (2) month trial period;
 - c) if the licensee's trigger action management plan is enacted, detail what actions the licensee took;
 - d) If the licensed discharge breaches a condition of the licence, detail what actions the licensee took to return to compliance;
 - d) if the licensee is proposing any modifications to the discharge program following the two month period.
- Within 6 weeks of the completion of the trial, the licensee must submit a final report to the EPA outlining an assessment of the trial's compliance with the conditions of the EPL.
- U1.6 At end of PRP trial period, the EPA will consider a short term continuance of the trial whilst it considers the reported findings. This will be dependant on a demonstration by the licensee during the trial of the capacity of the discharge program in meeting the conditions of the licence. Should this short term continuance occur, the EPA advises that during this period the project must meet all the requirements of the trial and licence conditions.
- Note: An ongoing discharge to waters will be considered by the EPA following submission of the report as required by Condition U1.5.

U2 Reuse options to limit discharges from 'Old pit'

- U2.1 The licensee must undertake an assessment of reuse options available for water collected in 'Old pit'. The purpose of this assessment is to limit discharges to waters from EPA Point 26, once capacity is restored in 'Old pit'.
- U2.2 The licensee should consider the EPA's 'Environmental Guidelines - Use of Effluent by Irrigation' in its assessment.
- U2.3 By 25 April 2023, the licensee must provide a report to the EPA advising of the findings of its assessment including ;
- a) the considerations by the licensee in its assessment (including, but not limited to, site considerations, effluent quality and irrigation considerations, water balances, operating and management considerations, and

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compliance with section 120 of the Protection of the Environment Operations Act 1997);

b) all reasonable and feasible reuse options available to the licensee based on water quality within 'Old pit';

c) the licensees preferred reuse option(s); and

d) any associated approvals required for the preferred option(s), and timeframes for implementation.



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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .



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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non-putrescible), special waste or hazardous waste
Wellhead	Has the same meaning as in Schedule 1 to the Protection of the Environment Operations (General) Regulation 2021.

Mr Julian Thompson

Environment Protection Authority

(By Delegation)

Date of this edition: 21-August-2013

End Notes		
2	Licence varied by notice	1535192 issued on 23-Dec-2015
3	Licence varied by notice	1539795 issued on 13-Apr-2016
4	Licence varied by notice	1565174 issued on 06-Aug-2018
5	Licence varied by notice	1574831 issued on 11-Mar-2019
6	Licence varied by notice	1588284 issued on 17-Dec-2019
7	Licence varied by notice	1598042 issued on 18-Aug-2020
8	Licence varied by notice	1620651 issued on 28-Nov-2022