



# Environment Protection Licence

Licence - 21242

<b><u>Licence Details</u></b>	
Number:	21242
Anniversary Date:	15-May

  

<b><u>Licensee</u></b>
QUARRY SOLUTIONS PTY LTD
PO BOX 903
OXENFORD QLD 4210

  

<b><u>Premises</u></b>
DOONBAH QUARRY
499 WOODBURN EVANS HEAD ROAD
EVANS HEAD NSW 2473

  

<b><u>Scheduled Activity</u></b>
Extractive activities

  

<b><u>Fee Based Activity</u></b>	<b><u>Scale</u></b>
Extractive activities	> 30000-50000 T annual capacity to extract or process

  

<b><u>Region</u></b>
North - North Coast
NSW Govt Offices, 49 Victoria Street
GRAFTON NSW 2460
Phone: (02) 6640 2500
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PO Box 498
GRAFTON NSW 2460

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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:

QUARRY SOLUTIONS PTY LTD
PO BOX 903
OXENFORD QLD 4210

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
Extractive activities	Extractive activities	> 30000 - 50000 T annual capacity to extract or process

- A1.2 Notwithstanding A1.1, the scale of the land-based extractive activity authorised under this licence must not exceed 490,000 tonnes per annum (up to a maximum of 4,000,000 tonnes over 25 years), being the amount equivalent to the extraction limit approved by the development consent 2015.0130 granted on 21 August 2015 by Richmond Valley Council under the *Environmental Planning and Assessment Act 1979* for the premises specified in A2.

### A2 Premises or plant to which this licence applies

- A2.1 The licence applies to the following premises:

Premises Details
DOONBAH QUARRY
499 WOODBURN EVANS HEAD ROAD
EVANS HEAD
NSW 2473
LOT 2 DP 1040274

### 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:

- 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
- the licence information form provided by the licensee to the EPA to assist the EPA in connection with

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the issuing of this licence.

A3.2 Works and activities must be carried out in accordance with the proposal contained in:

- the development application No. 2015.0130 submitted to Richmond Valley Council and approved on 21 August 2015;
- the Quarry Environmental Impact Statement; and
- the *Proposed Sand Quarry Expansion at Lot 2 DP 1040274, Doonbah, Operational Plan of Management* dated March 2019.
- *Doonbah Sand Quarry, Acid Sulfate Soil Management Plan* dated March 2017

It is noted that the commencement date for development application is 14 February 2018 (based on Council's letter dated 14 February 2018).

## 2 Discharges to Air and Water and Applications to Land

### P1 Location of monitoring/discharge points and areas

P1.1 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.

P1.2 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 Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharges from the premises	Discharges from the premises	Discharges from the premises prior to entering the farm dam off site
2	Groundwater monitoring		MW1 (S&D), MW2 (S&D), MW3 (S&D), MW4 (S&D), MW5 (S&D), MW6 (S&D), MW7 (S&D), MW8 (S&D) and MW9 (S&D) as detailed in Figure 2 of the Operational Plan of Management dated March 2019
3	Return Waters		Return waters will be produced as a result of sand washing and dewatering.
4	Inline monitoring		Inline water is the water extracted as part of the suction dredging activities

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- P1.3 The licensee, in decommissioning an existing sediment basin, may only vary the discharge point locations identified in Condition P1.2 if it provides the EPA with a copy of the revised document/s at least 21 days prior to the decommissioning on the premises, unless otherwise agreed to in writing by the EPA for each decommissioning activity.

## 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.
- L1.2 Rainfall runoff from all disturbed areas of the premises arising from up to 82.5 mm (90 percentile, five day event) must, prior to discharge from the premises, be captured and treated to the standard set out in condition L2 below.
- L1.3 Rainfall runoff from all disturbed areas of the premises arising from up to 82.5 mm (90 percentile, five day event) must, prior to discharge from the premises, be captured and treated to the standard set out in condition L2 below.

### L2 Concentration limits

- L2.1 For each monitoring/discharge point or utilisation area specified in the table\ 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\.
- L2.4 Water and/or Land Concentration Limits

#### POINT 1

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Oil and Grease	Visible				nil
pH	pH				6.5 - 8.5



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Total suspended solids	milligrams per litre	50
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## POINT 3

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
pH	pH				5.0 - 7.0

L2.5 The Total Suspended Solids concentration limits specified in Table 1 may be exceeded for water discharged from the sediment dam provided that:

(a) the discharge occurs solely as a result of rainfall measured at the premises exceeding 82.5 millimetres over the consecutive 5 day period immediately prior to the discharge occurring; and

(b) all practical measures have been implemented to dewater all sediment dams within 5 days of rainfall so they have sufficient capacity to store run off from a 82.5 millimetre, 5 day rainfall event.

Note: 82.5 millimetres is the 5-day 90th percentile rainfall depth for Tweed Heads in Table 6.3a of Volume 1 of *Managing urban stormwater, soils and construction* (4th edition, March 2004).

L2.6 To avoid any doubt, Conditions L2.1, L2.2 and L2.3 do not authorise the discharge or emission of any other pollutants.

L2.7 For each discharge point, 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 Table 1.

L2.8 The discharge point is located prior to water leaving the site and entering a farm dam located off site.

L2.9 If the licensee uses turbidity (NTU) in place of TSS to determine compliance with Condition L2.4, the licensee must develop a statistical correlation which identifies the relationship between NTU and TSS for water quality in the sediment basin/s in order to determine the NTU equivalent of 50 mg/L TSS before its use.

L2.10 The licensee must provide the EPA with a copy of the statistical correlation assessment methodology and results before using NTU in place of TSS.

L2.11 The licensee must develop and implement a method to enable the ongoing verification of the relationship between NTU and TSS.

## L3 Waste

L3.1 The licensee must not cause, permit or allow any waste generated outside the premises to be recieved at

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the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by a licence under the Protection of the Environment Operations Act 1997.

- L3.2 Condition L3.1 only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if it requires an environment protection licence under the *Protection of the Environment Operations Act 1997*.

*Note: Condition L3 ensures that a premises based activity is not used as a waste facility (unless that scheduled activity is permitted by another condition).*

## L4 Noise limits

- L4.1 Noise generated from the premises must not exceed the operational noise limit of LAeq, 15 min 41dB(A).
- L4.2 The noise limits in Condition L4.1 apply under all meteorological conditions except for the following:
- a) Wind speeds greater than 3m/s at 10 metres above ground level; or
  - b) Stability category F temperature inversion conditions and wind speeds greater than 2m/s at 10 metres above the ground level; or
  - c) Stability category G temperature inversion conditions.
- L4.3 Noise from the premises must not exceed the limits in L4.1 positively adjusted by 5dB, during these meteorological conditions:
- (a) Wind speeds greater than 3m/s at 10 metres above ground level; or
  - (b) Stability category F temperature inversion conditions and wind speeds greater than 2m/s at 10 metres above the ground level; or
  - (c) Stability category G temperature inversion conditions.
- L4.4 To determine compliance:
- a) with the Leq(15 minute) noise limits in Condition L4.1 and L4.4, the noise measurement equipment must be located:
    - i) approximately on the property boundary, where any dwelling is situated 30 metres or less from the property boundary closest to the premises; or
    - ii) within 30 metres of a dwelling façade, but not closer than 3m, where any dwelling on the property is situated more than 30 metres from the property boundary closest to the premises; or, where applicable
    - iii) within approximately 50 metres of the boundary of a National Park or a Nature Reserve.
  - b) With the noise limits in Condition L4.1 and L4.4, the noise measurement equipment must be located:
    - i) at the most affected point at a location where there is no dwelling at the location; or
    - ii) at the most affected point within an area at a location prescribed by Condition L4.5(a).
- L4.5 A non-compliance of Conditions L4.1 and L4.4, as applicable, will still occur where noise generated from the premises in excess of the appropriate limit is measured:
- a) at a location other than an area prescribed by condition L4.6(a) and L4.6(b), and/or

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b) at a point other than the most affected point at a location.

L4.6 For the purposes of determining the noise generated at the premises the modification factors in Fact Sheet C of the Noise Policy for industry must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.

L4.7 For the purpose of Conditions L4.3 and L4.4:

a) Data recorded by the Bureau of Meteorology meteorological station at Ballina must be used to determine meteorological conditions; and

b) Temperature inversion conditions (stability category) are to be determined by the sigma-theta method referred to in Fact Sheet D of the Noise Policy for Industry.

L4.8 A noise compliance assessment is to be undertaken within 3 months of the Environmental Protection Licence to verify noise model predictions. The report is to be provide to the EPA.

L4.9 Noise from the premises is to be measured at the nearest sensitive receiver to determine compliance with this condition.

Note: Noise sensitive locations means buildings used as a residence, hospital, school, childcare centre, places of public worship and nursing homes. A noise sensitive location includes the land within 30m of the building.

## L5 Hours of operation

L5.1 The following activities may take place outside the hours specified in Condition L5.3:

a) the delivery of materials required by the police or other authorities for safety reasons

b) activities required in an emergency to avoid the loss of life, property and/or to prevent environmental harm

c) activities approved through the process in Condition L5.2.

L5.2 The hours of operation specified in Condition L5.3 may be varied with the prior written approval of the EPA. Any request to vary the hours of operation must include:

a) details of the nature and justification for activities to be conducted during the varied construction hours

b) evidence that appropriate consultation has been undertaken with potentially affected sensitive receivers and Gwydir Shire Council

c) a noise impact assessment using the guidelines in the Noise Policy for Industry (EPA 2017), and other relevant EPA noise guidelines in force at the time of assessment.

L5.3 The hours of operation must be limited to 7am to 6pm, Monday to Friday and 8am to 1pm on Saturday. No work is to be carried out on Sunday or public holidays. For the purposes of this licence, "work"

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includes all activities on the premises associated with the project, during construction and operation.

## **L6 Other limit conditions**

L6.1 Extraction from the premises must not exceed 490,000 tonnes during any consecutive 12 month period.

Note: Development Application DA2015/0130 became effective on 14 February 2018.

## **4 Operating Conditions**

### **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 Activities occurring at the premises must be carried out in a manner that will minimise emissions of dust from the premises.

O3.2 Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.

### **O4 Processes and management**

O4.1 Sediment Basins shall be treated, if required, to ensure compliance with the limit conditions provided under condition L2.4 before being discharged to the environment. Treatment can be with gypsum or any other material that has been approved by the EPA.

O4.2 The site's sediment basin/s must be maintained and operated to ensure that:  
All 5-day rainfall events up to 82.5 mm (90 percentile, five day event) are captured.

Any discharge from the sediment basin/s that occurs as a result of rainfall below the 5-day total of 82.5 mm

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(including managed discharges to restore basin capacity) must meet the limit conditions specified in condition L2.4.

O4.3 The sediment basins and other erosion and sediment controls must be planned, designed (stability, location, type and size), constructed, operated and maintained in accordance with the guideline “Managing Urban Stormwater – Soils and Construction, Volume 2D, Main road construction” DECC 2008, to be read and used in conjunction with volume 1 “Managing urban stormwater: soils and construction” Landcom 2006.

O4.4 All erosion and sediment control measures installed on the premises must be inspected and works undertaken to repair and/or maintain these controls:

- a) weekly during normal construction hours outlined in Condition L5.3;
- b) daily during periods of rainfall; and
- c) within 24 hours of the cessation of a rainfall event causing runoff to occur on or from the premises.

The licensee must record all such inspections including observations and works undertaken to repair and/or maintain erosion and sediment controls.

O4.5 Each sedimentation basin must have a marker (the “sedimentation basin marker”) that identifies the upper level of the sediment storage zone.

O4.6 Whenever the level of liquid and other material in any sedimentation basin exceeds the level indicated by the sedimentation basin marker, the licensee must take all practical measures as soon as possible to reduce the level of liquid and other material in the sedimentation basin.

O4.7 The licensee must ensure the design storage capacity of the sediment basins installed on the premises is reinstated within 5 days of the cessation of a rainfall event that causes runoff to occur on or from the premises.

O4.8 The licensee must ensure that sampling point(s) for water discharged from the sediment basin(s) are provided and maintained in an appropriate condition to permit:

- a) the clear identification of each sediment basin and discharge point;
- b) the collection of representative samples of the water discharged from the sediment basin(s); and
- c) access to the sampling point(s) at all times by an authorised officer of the EPA.

O4.9 The licensee must maximise the diversion of run-on waters from lands upslope and around the site whilst land disturbance activities are being undertaken.

O4.10 The licensee must maximise the diversion of stormwater runoff containing suspended solids to sediment basins installed on the premises.

O4.11 The licensee must endeavour to maximise the reuse of captured stormwater on the premises.

O4.12 All liquid chemicals, fuels and oils must be stored in tanks or containers inside suitable bund(s). Bunds are to be designed, constructed and maintained in accordance with the current Australian Standard for Storage and Handling of Flammable and Combustible Liquids.

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## O5 Other operating conditions

O5.1 The licensee must maintain, and implement as necessary, a current emergency response plan for the premises. The licensee must keep the emergency response plan on the premises at all times. The emergency response plan must document systems and procedures to deal with all types of incidents (e.g. spills, explosions of fire) that may occur at the premises or that may be associated with activities that occur at the premises and which are likely to cause harm to the environment. If a current emergency response plan does not exist at the date on which this condition is attached to the licence, the licensee must develop an emergency response plan within three months of that date.

### O5.2 Stormwater/Sediment Control - Operational Phase

An erosion and sediment control plan must be prepared and implemented. The plan must describe the measures that will be used to minimise soil erosion and the discharge of sediment and other pollutants to lands and waters for the life of the project, and be prepared in accordance with the guidance in *Managing Urban Stormwater: Soils and Construction*, particularly *Volume 2E: Mines and quarries* (available at <http://www.environment.nsw.gov.au/stormwater/publications.htm>).

O5.3 Any separated fines from sand washing, deemed not suitable as a resource, shall be returned below water line in the active or completed excavation lake on site.

O5.4 All fines deposited in an active or completed excavation lake on site are to be placed and managed to ensure that the fine material does not break above the water level to prevent exposure to air.

O5.5 Fines, deemed not suitable as a resource, generated from sand washing are to be returned to an active or completed excavation lake within 12 hours of it being generated through the washing process.

Note: The Protection of the Environment Operations Act 1997, states that no offensive odour may be emitted from particular premises unless potentially offensive odours are identified in the licence and the odours are emitted in accordance with conditions specifically directed at minimising the odours.

## 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

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d) the name of the person who collected the sample.

## 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 Water and/ or Land Monitoring Requirements

### POINT 1

Pollutant	Units of measure	Frequency	Sampling Method
Oil and Grease	Visible	Special Frequency 1	Visual Inspection
pH	pH	Special Frequency 1	Probe
Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample

### POINT 2

Pollutant	Units of measure	Frequency	Sampling Method
Chloride	milligrams per litre	Quarterly	Grab sample
Electrical conductivity	microsiemens per centimetre	Quarterly	Grab sample
pH	pH	Quarterly	Probe
Standing Water Level	metres	Quarterly	Inspection
Sulfate	milligrams per litre	Quarterly	Grab sample

### POINT 3

Pollutant	Units of measure	Frequency	Sampling Method
pH	pH	Daily during any discharge	Probe

### POINT 4

Pollutant	Units of measure	Frequency	Sampling Method
pH	pH	Daily during any discharge	Probe

M2.3 For the purposes of Condition M2.1, "Special Frequency 1" means as soon as practicable, and no more

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than 12 hours, after overflow commences, and before any controlled discharge from the sediment basin.

## **M3 Testing methods - concentration limits**

- M3.1 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 Environmental monitoring**

- M4.1 Rainfall at the premises must be measured and recorded in millimetres per 24 hour period, at the same time each day.
- M4.2 The licensee is required to install and maintain a rainfall depth measuring device.

## **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;
  - 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.



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M6.3 The preceding two conditions do not apply until 1 month the date of the issue of this licence.

## M7 Other monitoring and recording conditions

M7.1 For the purposes of monitoring for compliance with the noise limit conditions of this licence, noise emitted from the premises must be measured or computed at 30 metres from the nearest residential dwelling/s over a period of 15 minutes using the "FAST" response on the sound level meter. A modifying factor correction must be applied for tonal, impulsive, or intermittent noise in accordance with the relevant NSW noise policy.

## M8 Noise monitoring

Note: Noise monitoring requirements may be added to the environment protection licence for the premises if the EPA receives complaints about noise emissions from the premises, or otherwise suspects that noise limits have not been complied with.

## 6 Reporting Conditions

### R1 Annual return documents

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 a copy of the form that must be completed and returned to the EPA.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

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.

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.

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

- 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.
- R1.8 The licensee must also include the following information with the Annual Return:
- A statement detailing the total volume of material extracted from the quarry for the reporting period; and
  - The total volume of extracted material transported from the premises for the reporting period.

## R2 Notification of environmental harm

- R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

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.

- R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

## 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

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report of 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.

## R4 Other notifications

R4.1 A report is to be provided to the EPA when the results of groundwater monitoring show:

- a decline in the standing water level of groundwater of 2 metres or greater; or
- Where the chloride and sulfate ratio is less than 2; or
- pH is measures outside the range of 5.0 to 7.0

The report is to provided within 1 month of the detection of one or more of the above trigger values. The report is to include the likely cause and impact and identify any corrective actions.

## 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.

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## Dictionary

### General Dictionary

<b>3DGM [in relation to a concentration limit]</b>	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
<b>Act</b>	Means the Protection of the Environment Operations Act 1997
<b>activity</b>	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
<b>actual load</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>AM</b>	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> .
<b>AMG</b>	Australian Map Grid
<b>anniversary date</b>	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.
<b>annual return</b>	Is defined in R1.1
<b>Approved Methods Publication</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>assessable pollutants</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>BOD</b>	Means biochemical oxygen demand
<b>CEM</b>	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> .
<b>COD</b>	Means chemical oxygen demand
<b>composite sample</b>	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.
<b>cond.</b>	Means conductivity
<b>environment</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>environment protection legislation</b>	Has the same meaning as in the Protection of the Environment Administration Act 1991
<b>EPA</b>	Means Environment Protection Authority of New South Wales.
<b>fee-based activity classification</b>	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
<b>general solid waste (non-putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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<b>flow weighted composite sample</b>	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
<b>general solid waste (putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>grab sample</b>	Means a single sample taken at a point at a single time
<b>hazardous waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>licensee</b>	Means the licence holder described at the front of this licence
<b>load calculation protocol</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>local authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>material harm</b>	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
<b>MBAS</b>	Means methylene blue active substances
<b>Minister</b>	Means the Minister administering the Protection of the Environment Operations Act 1997
<b>mobile plant</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>motor vehicle</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>O&amp;G</b>	Means oil and grease
<b>percentile [in relation to a concentration limit of a sample]</b>	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.
<b>plant</b>	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
<b>pollution of waters [or water pollution]</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>premises</b>	Means the premises described in condition A2.1
<b>public authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>regional office</b>	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
<b>reporting period</b>	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.
<b>restricted solid waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>scheduled activity</b>	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
<b>special waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>TM</b>	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

Mr Benjamin Lewin

Environment Protection Authority

(By Delegation)

Date of this edition: 15-May-2019

End Notes		
2	Licence varied by notice	1594687 issued on 14-May-2020