

Environment Protection Licence

Licence - 11649

Licence Details

Number:	11649
Anniversary Date:	01-July

Licensee

NEWMAN QUARRYING PTY LTD

PO BOX 292

YAMBA NSW 2464

Premises

NEWMANS QUARRY

JACKYBULBIN ROAD

MORORO NSW 2469

Scheduled Activity

Extractive activities

Fee Based Activity

Extractive activities

Scale

> 100000-500000 T annually
extracted or processed

Region

Regional North - Grafton

NSW Govt Offices, 49 Victoria Street

GRAFTON NSW 2460

Phone: (02) 6640 2500

Fax: (02) 6642 7743

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:

NEWMAN QUARRYING PTY LTD
PO BOX 292
YAMBA NSW 2464

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	> 100000 - 500000 T annually extracted or processed

A1.2 Notwithstanding A1.1, the scale of the extractive activity authorised under this licence must not exceed 500,000 tonnes per annum, being the amount equivalent to the extraction limit approved by the development consent granted 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
NEWMANS QUARRY
JACKYBULBIN ROAD
MORORO
NSW 2469
LOT 2 DP 1055044

A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:

Ancillary Activity
Crushing, Grinding or Separating Works
Extractive Industries

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A4 Information supplied to the EPA

- A4.1 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.

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	Sediment Basin Discharge	Sediment Basin Discharge	Discharge from final sediment basin located at 518323E and 6757911N.

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 The licensee must take all practical measures to avoid or minimise oil and grease, TSS etc. contained in wet weather discharges.

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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 Visible
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				50

- L2.5 The concentration limits in the above table do not apply to any discharge from the final sediment basin arising from rainfall exceeding 75mm in total falling over any consecutive five day period
- L2.6 **Turbidity v's Total Suspended Solids**
- L2.7 If the licensee uses turbidity (NTU) in place of total suspended solids (TSS) to determine compliance with Condition L2.4, the licensee must first develop a statistical correlation which identifies the relationship between NTU and TSS for water quality in the sediment basins.
The licensee must develop and implement a method to enable the ongoing verification of the relationship between NTU and TSS.
- L2.8 The licensee must provide the EPA with a copy of the statistical correlation assessment methodology and results before using NTU in place of TSS.
- L2.9 The licensee must develop and implement a method to enable the ongoing verification of the relationship between NTU and TSS.
- L2.10 The licensee must provide the EPA with any amendments the licensee makes to the statistical correlation

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as a result of the ongoing verification required by Condition L2.7 before using the revised statistical correlation.

- L2.11 Controlled discharges from any sediment basins must not exceed a 100th percentile limit for Total Suspended Solids concentration of 50mg/L. All discharges are to fall within the pH range of between 6.5 and 8.5. There is to be no visible oils and greases in any controlled discharges from sediment basins.

L3 Waste

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

L4 Noise limits

- L4.1 Noise from the premises must not exceed an LAeq (15 minute) noise emission criterion of 35 dB(A), except as expressly provided by this licence.
- L4.2 For the purposes of compliance with the above condition:
- noise from the premises must be measured or computed from at 30 metres from residential Receiver 3 as identified in the Noise Impact Assessment (April 2015) for the proposal;
 - noise from the premises must be measured 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 document Noise Policy for Industry 2017.
- L4.3 The noise limits set out in above apply under all meteorological conditions except for the following:
- Wind Speeds greater than 3 metres/second at 10 metres above ground level; or
 - Temperature inversion conditions up to 3o C/100m and wind speeds greater than 2 metres/second at 10 metres above ground level; or
 - Temperature inversion conditions greater than 3oC/100m.

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 Blasting

- L5.1 Blasting operations at the premises may only take place between 0900 hours and 1500 hours, Monday to Friday. Blasting in or on the premises must not take place on Sundays or Public Holidays without the prior approval of the EPA. (Where compelling safety reasons exist, the Authority may permit a blast to occur outside the above mentioned hours. Prior written (or facsimile) notification of any such blast must be made to the Authority).

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- L5.2 The time of blasting, the air-blast overpressure level from blasting operations and the ground vibration peak particle velocity from blasting operations must be measured from Receiver 3 for each blast.
- L5.3 The airblast overpressure level from blasting operations in or on the premises must not exceed:
- a) 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period; and
 - b) 120 dB (Lin Peak) at any time.
- L5.4 The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed:
- a) 5mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period; and
 - b) 10 mm/s at any time.
- L5.5 All sensitive receivers are to be given at least 24 hours notice when blasting is to be undertaken.
- L5.6 To determine compliance with condition(s) L5.3 and L5.4:
- a) The airblast overpressure level and ground vibration peak particle velocity must be measured at the most affected residence or noise sensitive location that is not subject to a written agreement between the occupier of the residence or noise sensitive location and license as to an alternative airblast overpressure level and/or ground vibration peak particle for all blasts carried out in or on the premises; and
 - b) Instrumentation used to measure the airblast overpressure level and ground vibration peak particle velocity must meet the requirements of the current Australian Standard AS 2187.2-2006.
- L5.7 The licensee must report any exceedance of the licence blasting limits to the EPA within 24 hours of the exceedance becoming known to the licensee or to one of the licensee's employees or agents.

L6 Hours of operation

L6.1 Noise generating activities at the premises must be conducted during the following hours:

- 7:00 am and 6:00 pm Monday to Friday;
- 7:00 am and 1:00 pm Saturday;
- at no time on Sundays and Public Holidays.

Note: Saturday working hours are extended to 7am to 4pm only for the purposes of fulfilling a contract for the supply of quarry products to the Pacific Highway upgrade project (SSD 4963).

L6.2 This condition does not apply to the delivery of material outside the hours of operation permitted by condition L6.1, if that delivery is required by police or other authorities for safety reasons; and/or the operation or personnel or equipment are endangered. In such circumstances, prior notification must be provided to the EPA and affected residents as soon as possible or within a reasonable period in the case of emergency.

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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 in or on the premises must be carried out in a manner that will minimise the generation, or emission from the premises, of wind-blown or traffic generated dust.

O4 Emergency response

Note: The licensee must maintain, and implement as necessary, a current Pollution Incident Response Management Plan (PIRMP) for the premises. Details of the requirements can be found on the EPA website via the following link <http://www.epa.nsw.gov.au/legislation/poefaqspirmps.htm>

O5 Processes and management

O5.1 Soil and Water Management

O5.2 The sites sediment basin/s must be maintained and operated to ensure that:

- a) All runoff from a 5 - day rainfall event up to 75 mm (the 90th percentile 5 day rain event) is captured.
- b) Any discharge from the sediment basin that occurs as a result of rainfall below the 5-day total of 75mm must meet the limit conditions specified in condition L2.4.

O5.3 Sediment basins shall be treated, if required, to reduce the Total Suspended Solids level to the licensed concentration limit of 50 mg/L before being released to the environment. Treatment can be with gypsum or any other material that has been approved by the EPA.

O5.4 The licensee must maximise the diversion of run-on waters from lands upslope and around the site whilst

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land disturbance activities are being undertaken.

- O5.5 The licensee must maximise the diversion of stormwater runoff containing suspended solids to sediment basins installed on the premises.
- O5.6 Where sediment basins are necessary, all sediment basins and associated drainage must be installed and commissioned prior to the commencement of any clearing or grubbing works within the catchment area of the sediment basin that may cause sediment to leave the site.
- O5.7 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.
- O5.8 The applicant 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 sampling point(s) at all times by an authorised officer of the EPA.

Fuel and Chemical Storage

- O5.9 All chemicals, fuels and oils stored at the premises must be contained within appropriately designed bunded areas that meet the following requirements:
 - a) comply with any relevant Australian Standards for the liquids being stored; and
 - b) have impervious flooring and walls; and
 - c) have a minimum capacity of 110% of the volume of the largest container stored within the bund.

Note: Additional information on bunding design, construction and maintenance can be found in the EPA's Guide: *"Storing and Handling Liquids: Environmental Protection, Participants Manual"*

- O5.10 Each sedimentation basin must have a marker (the "sedimentation basin marker") that identifies the upper level of the sediment storage zone.
- O5.11 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.
- O5.12 The licensee must endeavour to maximise the reuse of captured stormwater on the premises.

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.

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- M1.2 All records required to be kept by this licence must be:
- in a legible form, or in a form that can readily be reduced to a legible form;
 - kept for at least 4 years after the monitoring or event to which they relate took place; and
 - 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:
- the date(s) on which the sample was taken;
 - the time(s) at which the sample was collected;
 - the point at which the sample was taken; and
 - 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	Grab sample
Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample

M2.3 Special Frequency 1 means sampling once <24 hours prior to actively emptying the ponds and during each discharge event arising from rainfall less than 75mm falling in total over a period of up to five days duration.

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.

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M4 Environmental monitoring

M4.1 The licensee is required to install and maintain a rainfall depth measuring device.

M4.2 Rainfall at the premises must be measured and recorded in millimetres per 24 hour period, at the same time each day.

Note: The rainfall monitoring data collected in compliance with Condition M4.2 can be used to determine compliance with L2.5.

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.

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

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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.

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.

R1.8 The licensee must report any exceedence of the licence blasting limits to the regional office of the EPA as soon as practicable after the exceedence becomes known to the licensee or to one of the licensee's employees or agents.

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.

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R1.9 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.

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.

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.

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 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

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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 Special Conditions

E1 Soil and Water Management

E1.1 A *Soil and Water Management Plan* (SWMP) must be developed which outlines all management and mitigation measures relating to stormwater management, erosion and sediment control. This must be prepared in accordance with *Managing Urban Stormwater Soils and Construction Volume 1 and Volume 2 E. Mines and quarries*.

The Soil and Water Management Plan must:

- outline of stormwater management measures to control pollutants at the source and contain them within the site.
- outline of erosion and sediment control measures to minimise disturbance of land, minimising water flow through the site and filtering, trapping or detaining sediment.
- describe measures for maintaining and monitoring any stormwater controls.
- provide details of method of storage of topsoil and associated erosion and sediment control
- describe waste water treatment measures; systems for reusing/recycling waste water; and methods of treating any unavoidable discharge from the site to meet specified water quality requirements.
- describe the size and location of the sediment basins for each stage of the development of the quarry. The sediment basins must meet the design and operational standards of *Managing Urban Stormwater Soils and Construction: Volume 1 and Volume 2 E. Mines and quarries*. This document requires a minimum standard of 90 percentile five-day rainfall event (75mm) to be used to determine basin sizing for quarries.
- If sediment basins are proposed to be used as water storage for re-use purposes on site (eg for dust suppression, process water, etc) a water balance must be conducted to ensure that the design volume of the basin required for stormwater capture and treatment is not compromised by water storage required for re-use purposes. Such dual purpose basins need to be accurately designed and managed to accommodate both stormwater management and water re-use objectives.
- Detail a progressive rehabilitation plan for the quarry, including the exhausted quarry areas “B” and “C”.

The SWMP is to be submitted to the EPA by 31 August 2016.

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E2 Noise Compliance Assessment

- E2.1 A noise compliance assessment must be undertaken within two months of commencement of the proposed increased extraction rate. The assessment must be conducted by a suitably qualified and experienced acoustical practitioner and shall assess compliance with noise criteria presented above. A report must be provided to the EPA within 1 month of the assessment.

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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

Mr Jon Keats

Environment Protection Authority

(By Delegation)

Date of this edition: 12-June-2002

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End Notes

- 1 Licence varied by notice 1022349, issued on 26-Nov-2002, which came into effect on 03-Dec-2002.
- 2 Licence varied by notice 1035211, issued on 24-Aug-2004, which came into effect on 18-Sep-2004.
- 3 Licence varied by correction to spatial data record, issued on 27-Oct-2004, which came into effect on 27-Oct-2004.
- 4 Licence varied by notice 1047734, issued on 11-Jul-2005, which came into effect on 05-Aug-2005.
- 5 Licence varied by notice 1087682, issued on 28-May-2008, which came into effect on 28-May-2008.
- 6 Licence varied by notice 1093236, issued on 03-Nov-2008, which came into effect on 03-Nov-2008.
- 7 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 8 Licence varied by notice 1109024, issued on 19-Nov-2009, which came into effect on 19-Nov-2009.
- 9 Licence varied by notice 1509577 issued on 05-Dec-2012
- 10 Licence varied by notice 1522589 issued on 07-Jul-2014
- 11 Licence varied by notice 1541664 issued on 28-Jun-2016
- 12 Licence varied by notice 1554071 issued on 10-Aug-2017
- 13 Licence fee period changed by notice 1555588 on 18-Aug-2017
- 14 Licence varied by notice 1557486 issued on 10-Oct-2017
- 15 Licence fee period changed by notice 1571041 on 01-Jan-2019
- 16 Licence varied by notice 1583754 issued on 14-Oct-2019
- 17 Licence varied by notice 1599815 issued on 14-Sep-2020