



Department of
**Environment and
Heritage Protection**

3 Feb 2016

To: Cumner Contracting Pty Ltd
PO Box 525
REDBANK PLAINS QLD 4301

Email: mail@mktlaw.com.au

Your reference: EPPR03564815
Our reference: 263990

Application details

I refer to the site specific application for an environmental authority received by the administering authority on 16-OCT-2015. This application relates to the operation of the activities of ERA 16-(2)(b) and ERA 16-(3)(b), being extracting and screening, in a year, more than 100,000t but no more than 1,000,000t.

Land description: Cedar Road REDBANK PLAINS QLD 4301; Lot 246 Plan SP196909, Lot 164 Plan SP196910, Lot 188 Plan S31346, Lot 167 Plan S31173, Lot 218 Plan S311214.

Decision

Your application has been approved and your environmental authority (reference EPPR03564815) is attached.

Additional comments or advice

You are advised that your previously held registration certificate (ref ENRE00280805) never transitioned to become an environmental authority because there was no development approval conditions associated with the environmentally relevant activities conducted onsite. However, due to the annual fees continuing to be paid for this site your anniversary date will remain as 1 June.

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Natural Resources and Mines (to clear vegetation), and the Department of Agriculture Forestry and Fisheries (to clear marine plants or to obtain a quarry material allocation).

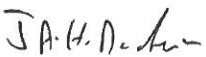
If you are operating a quarry, other than a sand and gravel quarry where there is no crushing capability, you will be required to comply with the *Mining and Quarrying Safety and Health Act 1999*. For more

Jessica Johnson
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PO Box 731
TOOWOOMBA QLD 4350
Phone: (07) 4699 4348
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Website www.ehp.qld.gov.au
ABN 46 640 294 485

information on your obligations under this legislation contact Mine Safety and Health at www.dnrm.qld.gov.au, or phone 13 QGOV (13 74 68) or your local Mines Inspectorate Office.

Should you have any further enquiries, please contact Jessica Johnson on telephone 4699 4348.

Yours sincerely



Signature

3-Feb-2016

Date

James Mackenzie
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enclosed

Permit - environmental authority (reference EPPR03564815)

Department of Environment and Heritage Protection

Permit¹

Environmental Protection Act 1994

Environmental authority - EPPR03564815

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Permit¹ number: EPPR03564815

Environmental authority takes effect 3-Feb-2016

The anniversary date of this environmental authority remains as 1 June. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name	Principal address
Cumner Contracting Pty Ltd	C/- RW Ramsey & Co 70 East Street IPSWICH QLD 4305

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
16-(2) (b) extracting, other than by dredging, in a year, more than 100,000t but not more than 1,000,000t. 16-(3) (b) screening, in a year, more than 100,000t but not more than 1,000,000t.	Cedar Road REDBANK PLAINS QLD 4301 Lot 246 Plan SP196909, Lot 164 Plan SP196910, Lot 188 Plan S31346, Lot 167 Plan S31173, Lot 218 Plan S311214

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental authority as to the scale, intensity or manner of carrying out an ERA, then the conditions prevail to the extent of the inconsistency.

An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm.

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation



A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

It is a requirement of the EP Act that an owner or occupier of land give written notice to the chief executive if they become aware of the following:

- a notifiable activity (as defined in Schedule 3) that is being, or has been, carried out on the land (notice must be given within 20 business days)
- an event involving a hazardous contaminant on the land, or a change in the condition of the contaminated land, that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours).

For further information, including the form for giving written notice, refer to the Queensland Government website <http://www.qld.gov.au/> (using the search term 'managing contaminated land').



Signature

James Mackenzie
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

3-Feb-2016

Date

Enquiries:
Department of Environment and Heritage
Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
palm@ehp.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Conditions of environmental authority

The environmentally relevant activities conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

GENERAL	
G1	Activities conducted under this environmental authority must not be conducted contrary to any of the following limitation(s): 1. The volume of material extracted and screened under this authority must not exceed 1,000,000 t/yr. 2. There is to be no disturbance of areas mapped as Endangered Remnant Vegetation, as shown in <i>Schedule 1 Image 2 Mt Juillerat Quarry: Site Layout Plan</i>.
G2	All reasonable and practicable measures must be taken to minimise the likelihood of environmental harm being caused.
G3	Any breach of a condition of this environmental authority, must be reported to the administering authority as soon as practicable, or at most, within 24 hours of you becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.
G4	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G5	All information and records that are required by the conditions of this environmental authority must be kept for a minimum of five (5) years. Environmental monitoring results must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the administering authority upon request.
G6	An appropriately qualified person(s) must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
G7	All analyses required under this environmental authority must be carried out by a laboratory that has NATA certification, or an equivalent certification, for such analyses, unless otherwise stated within this authority.
G8	When required by the administering authority , monitoring must be undertaken in the manner prescribed by the administering authority , to investigate a complaint. The monitoring results must be provided within to the administering authority upon its request.
G9	The activity must be undertaken in accordance with written procedures that: 1. identify potential risks to the environment from the activity during routine operations, closure and an emergency

	2. establish and maintain control measures that minimise the potential for environmental harm 3. ensure plant, equipment and measures are maintained in a proper and effective condition 4. ensure plant, equipment and measures are operated in a proper and effective manner 5. ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i> 6. ensure that reviews of environmental performance are undertaken at least annually.																										
G10	A minimum buffer distance of 50m must be maintained between extraction areas and the high banks of any watercourse, lake or wetland.																										
AIR																											
A1	Odours or airborne contaminants which are noxious or offensive or otherwise unreasonably disruptive to public amenity or safety must not cause nuisance to any sensitive place or commercial place .																										
NOISE																											
N1	Noise from the activity must not exceed the levels identified in <i>Table 1—Noise limits</i> when measured in accordance with the associated monitoring requirements. Table 1—Noise limits <table><tr><th rowspan="3">Noise level measured in dBA</th><th colspan="3">Monday to Saturday</th><th colspan="3">Sunday and Public Holidays^a</th></tr><tr><th>7am–6pm</th><th>6pm–10pm</th><th>10pm–7am</th><th>8am–6pm</th><th>6pm–10pm</th><th>10pm–8am</th></tr><tr><th colspan="6">Noise measured at a sensitive place or commercial place (dBA)</th></tr><tr><td>L_{Aeq, 1hr}</td><td>45</td><td>35</td><td>30</td><td>45</td><td>35</td><td>30</td></tr></table> Associated monitoring requirements 1. All monitoring devices must be correctly calibrated and maintained. 2. Any monitoring must be in accordance with the most recent version of the administering authority's Noise Measurement Manual. 3. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation. 4. Emergency maintenance only.	Noise level measured in dBA	Monday to Saturday			Sunday and Public Holidays ^a			7am–6pm	6pm–10pm	10pm–7am	8am–6pm	6pm–10pm	10pm–8am	Noise measured at a sensitive place or commercial place (dBA)						L _{Aeq, 1hr}	45	35	30	45	35	30
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L _{Aeq, 1hr}	45	35	30	45	35	30																					
N2	When required by the administering authority, noise monitoring must be undertaken in accordance with the associated monitoring requirements of <i>Table 1—Noise Limits</i>, and the results notified within 14 days to the administering authority. Monitoring must include: 1. L_{Aeq, adj, T} 2. Background noise (Background) as L_{A 90, adj, T} 3. MaxL_{pA, T} 4. the level and frequency of occurrence of any impulsive or tonal noise 5. atmospheric conditions including wind speed and direction 6. effects due to extraneous factors such as traffic noise 7. location, date and time of recording.																										

N3	Blasting activities must not exceed the limits for peak particle velocity and air blast overpressure in <i>Table 2—Blasting noise limits</i> when measured at any sensitive place or commercial place in accordance with the associated monitoring requirements. Table 2—Blasting noise limits <table><tr><th>Blasting criteria</th><th>Blasting limits</th></tr><tr><td>Airblast overpressure</td><td>115 dB (Linear) Peak for 9 out of 10 consecutive blasts initiated and not greater than 120 dB (Linear) Peak at any time.</td></tr><tr><td>Ground vibration</td><td>5mm/second peak particle velocity for 9 out of 10 consecutive blasts and not greater than 10mm.second peak particle velocity at any time.</td></tr></table> Associated monitoring requirements - Monitoring must be in accordance with the most recent editions of the administering authority's 'Noise and Vibration from Blasting' guideline and Noise Measurement Manual and any relevant Australian standard. - All monitoring devices must be correctly calibrated and maintained.	Blasting criteria	Blasting limits	Airblast overpressure	115 dB (Linear) Peak for 9 out of 10 consecutive blasts initiated and not greater than 120 dB (Linear) Peak at any time.	Ground vibration	5mm/second peak particle velocity for 9 out of 10 consecutive blasts and not greater than 10mm.second peak particle velocity at any time.										
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N4	Blasting must be carried out in accordance with the current edition of the administering authority's 'Noise and vibration from blasting guideline' and with Australian Standard 2187.																
N5	Unless prior approval is obtained from the administering authority: blasting is only permitted during the hours of 9am to 3pm Monday to Friday, and from 9am to 1pm on Saturdays. blasting is not permitted at any time on Sundays or public holidays.																
N6	When required by the administering authority, a blast monitoring program must be developed and implemented to monitor compliance with <i>Table 2—Blasting noise limits</i> at any sensitive place or commercial place.																
WATER																	
WT1	The stormwater runoff from disturbed areas, generated by (up to and including) a 24 hour storm event with an average recurrence interval of 1 in 5 years must be retained on site or managed to remove contaminants before release.																
WT2	The only contaminants to be released are treated stormwaters from the onsite dams to the surface drainage channels, in accordance with <i>Table 3 – Surface water release limits</i> and the associated monitoring requirements. Table 3 – Surface water release limits <table><tr><th>Quality Characteristics</th><th>Release Limit</th><th>Limit Type</th><th>Monitoring Frequency</th></tr><tr><td>pH (pH units)</td><td>6.5-8.5</td><td>Range</td><td>Prior to release and then weekly during a release</td></tr><tr><td>Dissolved Oxygen (mg/L)</td><td>6</td><td>Minimum</td><td>Prior to release and then weekly during a release</td></tr><tr><td>Suspended solids (mg/L)</td><td>50</td><td>Maximum</td><td>Prior to release and then weekly during a release</td></tr></table> Associated monitoring requirements - Release points must be in accordance with the locations titled "dam" as shown in <i>Schedule 1 Image 1- Site detail (incl. drainage, dams, tracks, nearest sensitive receptors)</i>. - Monitoring must be in accordance with the methods prescribed in the current edition of the administering authorities <i>Water Quality Sampling Manual</i>.	Quality Characteristics	Release Limit	Limit Type	Monitoring Frequency	pH (pH units)	6.5-8.5	Range	Prior to release and then weekly during a release	Dissolved Oxygen (mg/L)	6	Minimum	Prior to release and then weekly during a release	Suspended solids (mg/L)	50	Maximum	Prior to release and then weekly during a release
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	3. Samples must be taken using representative samples. 4. All determinations must employ analytical practical quantification limits sufficiently low enough to enable comparisons to be made against water quality objectives/limits relevant to the particular water quality characteristics. 5. Monitoring must be undertaken prior to a release and also during a release as per the frequency stated. 6. All monitoring devices must be correctly calibrated and maintained. 7. Monitoring of pH and Dissolved Oxygen may be undertaken onsite.
WT3	Monitoring of contaminant releases to waters must be undertaken in accordance with condition WT2 and records of the results must be kept.
LAND	
L1	Land that has been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that: 1. suitable native species of vegetation for the location are established and sustained for earthen surfaces 2. potential for erosion is minimised 3. the quality of water, including seepage, released from the site does not cause environmental harm 4. potential for environmental nuisance caused by dust is minimised 5. the water quality of any residual water body does not have potential to cause environmental harm 6. the final landform is stable and protects public safety.
L2	Rehabilitation of disturbed areas required under condition L1, must take place progressively as works are staged and new areas of extraction are commenced.
WASTE	
WS1	All waste generated in carrying out the activities must be reused, recycled or removed to a facility that can lawfully accept the waste.

Definitions¹

Note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Heritage Protection or its successor or predecessors.

Airblast overpressure is the energy transmitted from the blast site within the atmosphere in the form of pressure waves. As these waves pass a given position, the pressure of the air rises very rapidly then falls more slowly then returns to the ambient value after a number of oscillations. The pressure wave consists of both audible (noise) and inaudible (concussion) energy. The maximum excess pressure in this wave is known as the peak air overpressure, generally measured in decibels using the linear frequency-weighting.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Background means noise, measured in the absence of the noise under investigation, as $L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90 per cent of the time period of not less than 15 minutes, using Fast response.

Blasting is the use of explosives to fracture:

- rock, coal and other minerals for later recovery; or
- structural components or other items to facilitate removal from a site or for reuse.

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

$L_{Aeq\ adj,T}$ means the adjusted A weighted equivalent continuous sound pressure level measures on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the activity is causing a steady state noise, and no shorter than one hour when the approved activity is causing an intermittent noise.

$Max_{L_{pA,T}}$ means the maximum A-weighted sound pressure level measured over a time period T of not less than 15 minutes, using Fast response.

Measures has the broadest interpretation and includes plant, equipment, physical objects, bunding, containment systems, monitoring, procedures, actions, directions and competency.

NATA means National Association of Testing Authorities.

Noxious means harmful or injurious to health or physical well-being.

Offensive means causing offence or displeasure; is unreasonably disagreeable to the sense; disgusting, nauseous or repulsive.

Release of a contaminant into the environment means to:

- deposit, discharge, emit or disturb the contaminant
- cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- fail to prevent the contaminant from being deposited, discharged emitted or disturbed
- allow the contaminant to escape
- fail to prevent the contaminant from escaping.

¹ Note to administering authority officers: These definitions have been developed for consistent use across the State. However it is recognised that in rare circumstances, a definition might need to be amended to fit a particular type of operation. For example, dredging might be occurring within the boundary of a marine park which may require specific amendments to the definition of a sensitive place on a case by case basis. Delete this footnote once the definition has been added into the environmental authority.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

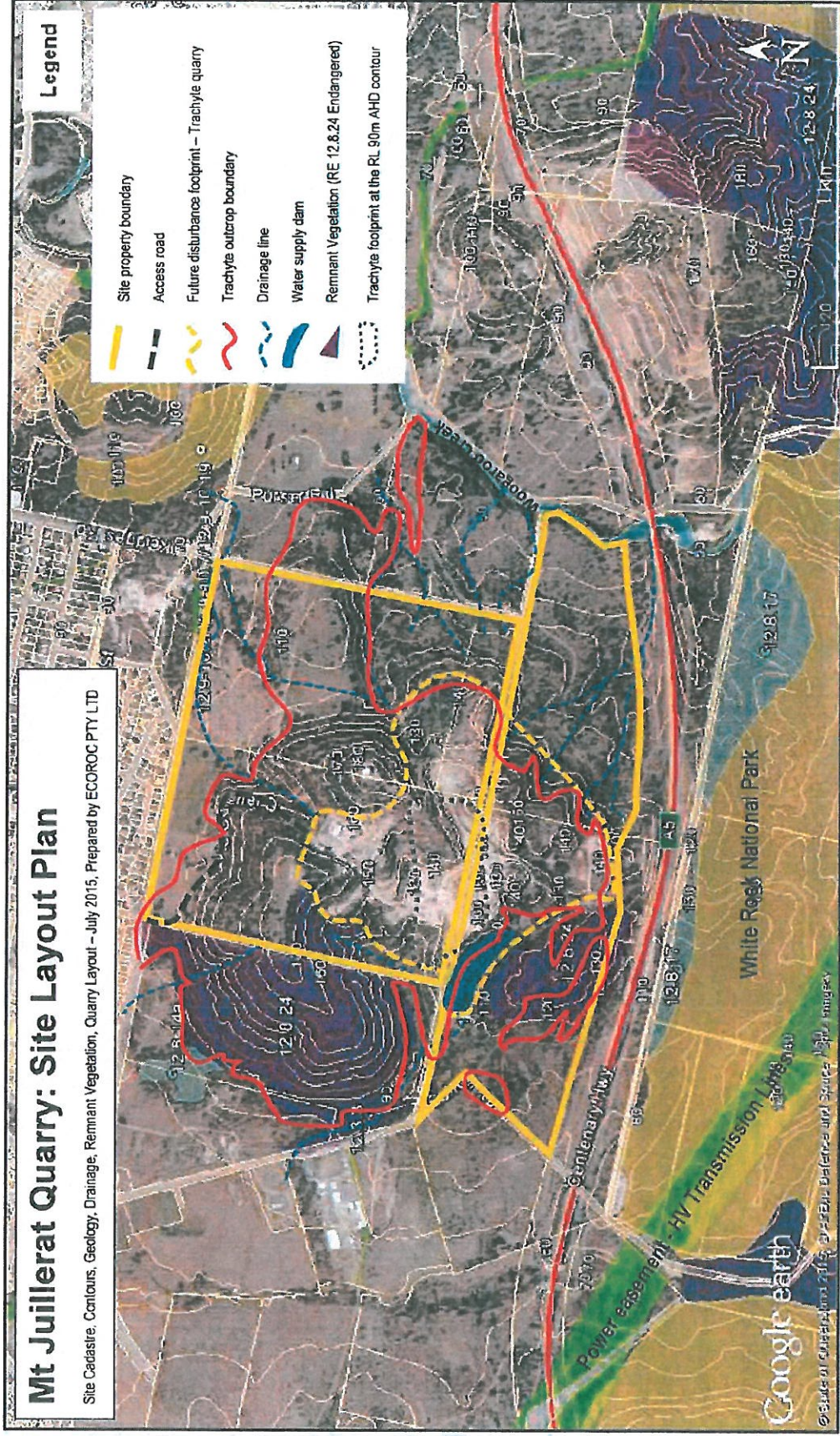
24 hour storm event with an average recurrence interval of 1 in 5 years means the maximum rainfall depth from a 24 hour duration precipitation event with an average recurrence interval of once in 5 years. *For example, an Intensity-Frequency-Duration table for a 24 hour duration event with an average recurrence interval of 1 in 5 years, identifies a rainfall intensity of 7.09mm/hour. The rainfall depth for this event is therefore 24 hour x 7.09mm/hour = 170.16mm.*

Vibration is the oscillating or periodic motion of a particle, group of particles, or solid object about its equilibrium position.

Waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

You means the holder of the environmental authority.

Image 2 – Mt Juillerat Quarry: Site layout plan



END OF PERMIT

SITE LAYOUT PLAN