Permit

Environmental Protection Act 1994

Environmental authority EPPR02438214

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

Environmental authority number: EPPR02438214

Environmental authority takes effect on 19 December 2024.

The anniversary date of this environmental authority is 22 October 2024 each year.

Environmental authority holder(s)

Name(s)	Registered address
Lindsey Michael Bonanno	21 Zorzan Dr GOOBURRUM QLD 4670

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening - 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	103/RP21942
ERA 16 - Extraction and Screening - 3(a) - Screening, in a year, the following quantity of material - 5,000t to 100,000t	103/RP21942
ERA 16 - Extraction and Screening - 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	Mobile and temporary in the state of Queensland
ERA 16 - Extraction and Screening - 3(a) - Screening, in a year, the following quantity of material - 5,000t to 100,000t	Mobile and temporary in the state of Queensland

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any

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inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

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

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

Mobile and temporary activities

If you operate a mobile and temporary environmentally relevant activity (ERA), other than regulated waste transport, you are required to maintain a work diary. You must:

- use the approved form for a work diary (ESR/2015/1696);
- keep the work diary records for 2 years after the last entry;
- inform the administering authority within 7 days of the work diary being lost or stolen;
- record the information required in the work diary for each location within 1 day of leaving the location.

Contaminated land

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

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days)

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority - on the nominated day; or

b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or

c) otherwise - on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

The anniversary day of this environmental authority is the same day each year as the effective date. The payment of the annual fee will be due each year on this day.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.



Signature

19 December 2024

Date

Helena Braye
Department of the Environment, Tourism, Science and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Energy and Extractive Resources
GPO Box 2454, BRISBANE QLD 4001
Phone: (07) 3330 5715
Email: EnergyandExtractive@des.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)

Other permits required

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, other business units within the department 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 Resources (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Obligations under the *Mining and Quarrying Safety and Health Act 1999*

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

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

Agency interest: General	
Condition number	**Condition**
G1	The quantity of material extracted and screened must not exceed 100,000 tonnes per year. **Note:** for clarity, this is the total material that includes both the quarry site and mobile and temporary activities.
G2	**Activities** conducted on Lot 103 RP21942 must only be conducted within the proposed quarry site identified in Attachment 1 : LB Quarry proposal plan for quarry site. Plan reference Z14 — 218P.
G3	The **activity** must be undertaken in accordance with written procedures that: a) identify potential risks to the environment from the **activity** during routine operations, closure and an emergency; b) establish and maintain control **measures** that minimise the potential for environmental harm; c) ensure plant, equipment and **measures** are maintained in a proper and effective condition; d) ensure plant, equipment and **measures** are operated in a proper and effective manner; e) ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994; and* f) ensure that reviews of environmental performance are undertaken at least annually.
G4	The activity must not cause **environmental nuisance** at a **nuisance sensitive place**.
G5	All reasonable and practicable **measures** must be taken to **minimise** the likelihood of **environmental harm** being caused.
G6	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.
G7	Other than as permitted by this environmental authority, **the release of a contaminant into the environment** must not occur.
G8	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.
G9	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.

G10	When required by the **administering authority,** monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a complaint that is not considered by the administering authority to be frivolous or vexatious, of **environmental nuisance** arising from the activities. The monitoring results must be provided to the **administering authority** upon request.
G11	Storage of **chemicals** and fuels in bulk or in containers of greater than 15 litres must be within a **secondary containment system** and releases from the containment system controlled in a manner that prevents **environmental harm.**
G12	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.**
Agency interest: Air	
Condition number	**Condition**
A1	The **activities** must not cause the release of dust or particulates that cause **environmental harm** beyond the boundary of the site.
A2	Dust and particulate matter emissions must not exceed the following concentrations at any sensitive place or commercial place: a) dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 (or more recent editions); or b) b) a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 50 micrograms per cubic metre over a 24 hour averaging time, when monitored in accordance with the most recent edition of Australian Standard AS 3580.9.6 or any other method approved by the administering authority.
A3	When required by the administering authority, dust and particulate matter monitoring must: a) be carried out at places relevant to the potentially affected sensitive place or commercial place and at suitable representative reference site(s) unlikely to be affected by the activity; and b) be carried out at a sufficient number of monitoring points and at sufficient frequency to enable compliance assessment with condition A1; and c) take into account: i. locations of dust and particulate sources; and ii. locations of persons or sites potentially affected by any release of dust or particulate matter from the activity; and d) be carried out in accordance with the latest edition of the administering authority's 'Air Quality Sampling Manual'. If monitoring requirements are not described in the administering authority's 'Air Quality Sampling Manual', monitoring protocols must be in accordance with a

	method as approved by New South Wales EPA, Victorian EPA or United States EPA; and be undertaken in conjunction with the recording of precipitation, wind speed and direction in accordance with the requirements of Australian Standard AS3580.14 (or more recent editions).
A4	Stockpiles must be managed and maintained to minimise the release of dust to the atmosphere. This must include at minimum: a) appropriate stockpile heights and widths; and b) dust suppression systems,
A5	An effective dust suppression system must be installed, operated and maintained to minimise the release of dust to the atmosphere from mechanical processing equipment.
A6	Mechanical processing and trafficable areas must be maintained using reasonable and practicable measures necessary to minimise the release of dust to the atmosphere.
Agency interest: Water	
Condition number	**Condition**
WT1	**Contaminants** from the **activities** must not be released to **waters.**
WT2	Stormwater contaminated by the **activities** must be managed to prevent any adverse impacts on the values of the receiving environment.
WT3	Control **measures** that are commensurate to the site-specific risk of erosion, and risk of sediment release to **waters** must be implemented to: a) preferentially divert stormwater around significantly disturbed **land**, or allow stormwater to pass through the site in a controlled manner and at non-erosive flow velocities; and b) **minimise** soil erosion resulting from wind, rain and flowing water; and c) **minimise** negative impacts to **land, waters** or properties adjacent to the activities (including roads).
WT4	The stormwater runoff from **disturbed areas** on Lot 103 RP21942, 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.
WT5	Extraction and screening **activities** must not occur within 50m of **waters.**
Agency interest: Noise	
Condition number	**Condition**

<table>
<tr><td>N1</td><td>Noise from the activities must not exceed the levels identified in Table 1 — Noise Limits when measured in accordance with the associated monitoring requirements.
Table 1 — Noise Limits
<table>
<tr><td rowspan="2">Noise level dB(A) measured as</td><td colspan="3">Monday to Sunday including public holidays</td></tr>
<tr><td>7am - 6pm</td><td>6pm - 10pm</td><td>10pm - 7am</td></tr>
<tr><td colspan="4">Noise measured at a sensitive place</td></tr>
<tr><td>$L_{Aeq\ adj,\ T}$</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 activities must be undertaken when the activities are in operation.</td></tr>
<tr><td>N2</td><td>When required by the administering authority, noise monitoring must be undertaken in accordance with the associated monitoring requirements of Table 1 — Noise Limits and the results notified within 14 days to the administering authority. Monitoring must include:
1. $L_{Aeq\ adj,\ T}$
2. Background noise (Background) as $L_{A90,\ adj,\ T}$
3. Max$\mathbf{L}_{pA,\ T}$
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.</td></tr>
<tr><td>N3</td><td>Blasting or the generation of substantial low frequency noise is not permitted.</td></tr>
<tr><td colspan="2">Agency interest: Land</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>L1</td><td>Contaminants from the activities must not be released to land.</td></tr>
<tr><td>L2</td><td>Land that has been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that:</td></tr>
</table>

	a) suitable native species of vegetation for the location are established and sustained for earthen surfaces; and b) potential for erosion is minimised; and c) the quality of water, including seepage, released from the site does not cause environmental harm; and d) potential for environmental nuisance caused by dust is minimised; and e) the water quality of any residual water body does not have potential to cause environmental harm; and f) the final landform is stable and protects public safety.
L3	In relation to activities conducted on Lot 103 RP21942, rehabilitation of **disturbed areas** required under condition L2, must take place progressively as works are staged and new areas of extraction are commenced.
L4	Upon completion of **mobile and temporary activities**, all structures, plant and equipment must be removed from the site.
L5	Acid sulfate soils, acid producing rock and marine sediments must not be processed.
L6	**Significant residual impacts** to **prescribed environmental matters** are not authorised under this environmental authority or the *Environmental Offsets Act 2014.*
Agency interest: Waste	
Condition number	**Condition**
WS1	All waste generated in carrying out the **activities** must be reused, recycled or removed to a **facility** that can lawfully accept the waste.

Definitions

Key terms and/or phrases used in this document are defined in this section. 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 the environmentally relevant activity/ies to which this environmental authority relates. An activity may be undertaken on the whole or a part of a site.

Administering authority means the Department of the Environment, Tourism, Science and Innovation or its successor or predecessors.

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.

Chemical as defined in Schedule 19 of the Environmental Protection Regulation 2019.

Contaminant(s) as defined in Section 11 of the *Environmental Protection Act 1994.*

Disturbed areas includes areas:

- that are susceptible to erosion;
- that are contaminated by the activity; and/or
- upon which stockpiles of soil or other materials are located.

Environmental harm as defined in Section 14 of the *Environmental Protection Act 1994.*

Environmental nuisance as defined in Section 15 of the *Environmental Protection Act 1994.*

Facility means the area used for carrying out the ERA including any buildings, disturbed areas or any associated infrastructure.

LAeq 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.

Land means land excluding waters and the atmosphere. Land includes land on the authorised place.

MaxLpA,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.

Minimise means minimise by taking all reasonable and practical measures to minimise the adverse effect having regard to the following matters:

a) the nature of the harm or potential harm

b) the sensitivity of the receiving environment

c) the current state of technical knowledge for the activity

d) the likelihood of successful application of different measures that might be taken to minimise the adverse effects

e) the financial implications of the different measures as they would relate to the type of activity

f) if the adverse effect is caused by the location of the activity being carried out, whether it is feasible to carry out the activity at another location.

Mobile and temporary activities mean extractive and screening activities that are:

a) carried out at various locations using transportable plant or equipment, including a vehicle; and
b) that does not result in the building of any permanent structures or any physical change of the landform at the locations (other than minor alterations solely necessary for access and setup, including, for example, access ways, footings and temporary storage areas); and
c) carried out at any one of the locations—
    i. for less than 28 days in a calendar year; or
    ii. for 28 or more days in a calendar year only if the activity is necessarily associated with, and is exclusively used in, the construction or demolition phase of a project.

NATA means National Association of Testing Authorities.

Nuisance sensitive place includes:

- within or outside of a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises
- within or outside of a motel, hotel or hostel
- within or outside of a kindergarten, school, university or other educational institution
- within or outside of a medical centre or hospital
- within a protected area under the *Nature Conservation Act 1992*, within a marine park under the *Marine Parks Act 1992* or a world heritage area
- within a public thoroughfare, park or gardens
- within or outside of 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.

Prescribed environmental matters as defined in section 10 of the *Environmental Offsets Act 2014.*

Records include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

Secondary containment system means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, groundwater, or surface waters.

Significant residual impacts as defined in section 8 of the *Environmental Offsets Act 2014.*

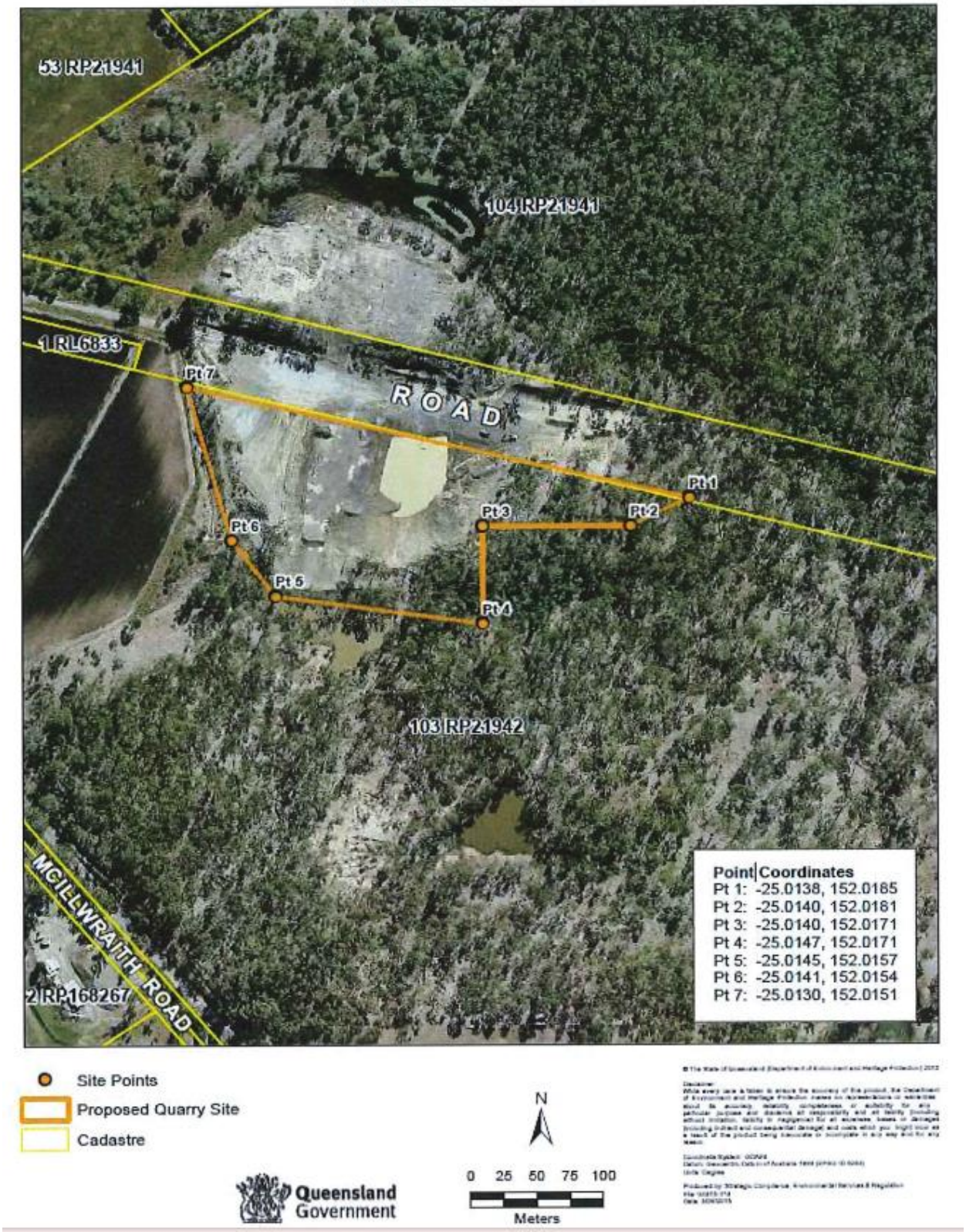
24 hour storm event with an average recurrence interval of 1 in 5 years means the maximum rainfall depth from a 24 hour duration precipitation event with an average recurrence interval of once in 5 years. For example, an Intensity-Frequency-Duration table for a 24 hour duration event with an average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

Waters all or any part of a creek, river, stream, lake, lagoon, swamp, wetland, spring, unconfined surface water, unconfined water in natural or artificial watercourses, bed and bank of any waters, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and underground water.

You means the holder of the environmental authority.

Appendices

Attachment 1: LB Quarry Proposal Plan for Quarry Site.
Plan reference Z14 – 218P



END OF ENVIRONMENTAL AUTHORITY