

Permit

Environmental Protection Act 1994

Environmental authority EPPR00949213

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

Environmental authority number: EPPR00949213

Environmental authority takes effect on 10-09-2020

Environmental authority holder(s)

Name(s)	Registered address
CORBET QUARRIES AND CONCRETE PTY LTD	3 Corbet Road GYMPIE QLD 4570

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening 3: Screening, in a year, the following quantity of material (b) more than 100,000t but not more than 1,000,000t	Lot 22 on SP162727
ERA 16 - Extraction and Screening 2: Extracting, other than by dredging, in a year, the following quantity of material (b) more than 100,000t but not more than 1,000,000t	Lot 23 on SP162727
ERA 16 - Extraction and Screening 2: Extracting, other than by dredging, in a year, the following quantity of material (b) more than 100,000t but not more than 1,000,000t	Lot 22 on SP162727
ERA 16 - Extraction and Screening 3: Screening, in a year, the following quantity of material (b) more than 100,000t but not more than 1,000,000t	Lot 23 on SP162727

Additional information for applicantsEnvironmentally 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 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).

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.

Environmental authority

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.

Derek Robson
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 11 September 2020

Enquiries:
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Assessment
Department of Environment and Science

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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 activity conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

Environmental authority

Agency interest: General	
Condition number	Condition
G1	All reasonable and practicable measures must be taken to minimise the likelihood of environmental harm being caused.
G2	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.
G3	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G4	Environmental monitoring results must be kept until surrender of this environmental authority. All other information and records that are required by the conditions of this environmental authority must be kept for a minimum of five (5) years. All information and records required by the conditions of this environmental authority must be provided to the administering authority , or nominated delegate upon request, within the required timeframe and in the specified format.
G5	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.
G6	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. The only exception to this condition is for <i>in situ</i> monitoring of pH.
G7	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 activity . The monitoring results must be provided to the administering authority , or nominated delegate , within the required timeframe and in the specified format upon request.

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G8	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; and 2. establish and maintain control measures that minimise the potential for environmental harm; and 3. ensure plant, equipment and measures are maintained in a proper and effective condition; and 4. ensure plant, equipment and measures are operated in a proper and effective manner; and 5. ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i>; and 6. ensure that reviews of environmental performance are undertaken at least annually.
Agency interest: Air	
Condition number	Condition
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.

Agency interest: Water							
Condition number	Condition						
W1	The only contaminants to be released to surface waters are treated stormwater runoff waters to waters described as Stuart River at RP1 in accordance with <i>Table 1 - Surface water release limits</i> and the associated monitoring requirements.						
	Table 1 – Surface water release limits						
	Release Point(s) Description (GDA94 decimal degrees) *			Quality Characteristics	Limit	Limit Type	Monitoring Frequency
	Name	Latitude	Longitude				
	RP1	-26.351880	151.579220	Total Suspended Solids (mg/L)	50	Maximum	Not less than once every calendar month in which water is release from the sedimentation dam
pH				6.0 to 8.5	Range		
* Decimal degrees to be provided to a minimum of 4 decimal places.							
Associated monitoring requirements							
1. Monitoring location and release points must be situated and maintained in accordance with RP1. 2. Monitoring must be in accordance with the methods prescribed in the current edition of the Department of Environment and Heritage Protection <i>Monitoring and Sampling Manual</i>. 3. Water and sediment samples must be representative of the general condition of the water body or sediments. 4. All determinations must employ analytical practical quantification limits of sufficient sensitivity to enable comparisons to be made against water quality objectives/triggers/limits relevant to the particular water or sediment quality characteristic. 5. Monitoring must be undertaken during a release and at the frequency stated. 6. All monitoring devices must be calibrated and maintained according to the manufacturer’s instruction manual.							
W2	Stormwater runoff from disturbed areas of the site, generated (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 prior to release.						

Agency interest: Noise																																
Condition number	Condition																															
N1	Noise from the activity must not exceed the levels identified in <i>Table 2 - Noise limits</i> when measured in accordance with the associated monitoring requirements. Table 2 - 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</th></tr> <tr> <th>7am–6pm</th><th>6pm–10pm</th><th>10pm–7am</th><th>7am–6pm</th><th>6pm–10pm</th><th>10pm–7am</th></tr> <tr> <th colspan="6">Noise measured at the nearest sensitive place (dBA)</th></tr> <tr> <td>L_{Aeq} adj, T</td><td>45</td><td>35</td><td>30</td><td>45</td><td>35</td><td>30</td></tr> </table> Associated monitoring requirements - All monitoring devices must be correctly calibrated and maintained. - Any monitoring must be in accordance with the most recent version of the administering authority's Noise Measurement Manual. - Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.						Noise level measured in dBA	Monday to Saturday			Sunday and Public Holidays			7am–6pm	6pm–10pm	10pm–7am	7am–6pm	6pm–10pm	10pm–7am	Noise measured at the nearest sensitive place (dBA)						L_{Aeq} adj, T	45	35	30	45	35	30
Noise level measured in dBA	Monday to Saturday			Sunday and Public Holidays																												
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	Noise measured at the nearest sensitive place (dBA)																															
L_{Aeq} adj, T	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 2 - Noise Limits</i> and the results notified within 14 days to the administering authority. Monitoring must include: L_{Aeq} adj, T Background noise (Background) as L_A 90, adj, T - the level and frequency of occurrence of any impulsive or tonal noise - atmospheric conditions including wind speed and direction - effects due to extraneous factors such as traffic noise - 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 3 - Blasting noise limits</i> when measured at any sensitive place or commercial place in accordance with the associated monitoring requirements. Table 3 - Blasting noise limits <table data-bbox="316 450 1481 763"> <tr> <th data-bbox="316 450 823 510">Blasting criteria</th><th data-bbox="823 450 1481 510">Blasting limits</th></tr> <tr> <td data-bbox="316 510 823 640">Airblast overpressure</td><td data-bbox="823 510 1481 640">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 data-bbox="316 640 823 763">Ground vibration peak particle velocity</td><td data-bbox="823 640 1481 763">5 mm/s peak particle velocity for 9 out of 10 consecutive blasts and not greater than 10 mm/s peak particle velocity at any time.</td></tr> </table> Associated monitoring requirements - Monitoring must be performed in accordance with the most recent edition of the administering authority's <i>Noise and Vibration from Blasting guideline</i> and <i>Noise Measurement Manual</i> and any relevant <i>Australian Standard</i>. - All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.	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 peak particle velocity	5 mm/s peak particle velocity for 9 out of 10 consecutive blasts and not greater than 10 mm/s peak particle velocity at any time.
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 peak particle velocity	5 mm/s peak particle velocity for 9 out of 10 consecutive blasts and not greater than 10 mm/s peak particle velocity at any time.						
N4	Blasting must be carried out in accordance with the current edition of the administering authority's <i>Noise and vibration from blasting guideline</i> and with <i>Australian Standard 2187</i> .						
N5	Unless prior approval is obtained from the administering authority: blasting is only permitted during the hours of 9am to 5pm 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 3 - Blasting noise limits</i> at any sensitive place or commercial place .						
Agency interest: Land							
Condition number	Condition						

Environmental authority

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; and 2. potential for erosion is minimised; and 3. the quality of water, including seepage, released from the site does not cause environmental harm; and 4. potential for environmental nuisance caused by dust is minimised; and 5. the water quality of any residual water body does not have potential to cause environmental harm the final landform is stable and protects public safety.
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L2	Rehabilitation of disturbed areas required under condition L2, must take place progressively as works are staged and new extraction areas are commenced.
Agency interest: Waste	
Condition number	Condition
WS1	All waste generated in carrying out the activity 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 and **bolded** throughout this document. 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.

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.*

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.

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.

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.

Background means noise, measured in the absence of the noise under investigation, as $L_{A\ 90, \text{adj}, T}$ 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.

$L_{Aeq\ \text{adj}, T}$ 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 any land, whether above or below the ordinary high-water mark at spring tides (i.e. includes **tidal land**).

$Max_{L_{pA}, T}$ 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:

- **Procedural measures** such as standard operating procedures for dredging operations, environmental risk assessment, management actions, departmental direction and competency expectations under relevant guidelines

- **Physical measures** such as plant, equipment, physical objects (such as bunding, containment systems etc.), ecosystem monitoring and bathymetric surveys.

NATA means National Association of Testing Authorities.

Nominated delegate means another government agency that provides services to the **administering authority**.

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

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

Prescribed water contaminants means contaminants listed within Schedule 9 of the *Environmental Protection Regulation 2008*.

Release of a contaminant into the environment means to:

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

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

1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
6. a public park or garden; or
7. for noise, a place defined as a sensitive receptor for the purposes of the *Environmental Protection (Noise) Policy 2008*.

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

You means the holder of the environmental authority.

END OF PERMIT