

Permit

Environmental Protection Act 1994

Environmental authority EPPR00792813

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

Environmental authority number: EPPR00792813

Environmental authority takes effect on 13 January 2023.

Environmental authority holder(s)

Name(s)	Registered address
BORAL RESOURCES (QLD) PTY LIMITED	Level 2,159 Coronation Drive MILTON QLD 4064

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and screening - 3(c) - Screening, in a year, the following quantity of material - more than 1,000,000t	Lot 1 on Plan CP846007 Lot 2 on Plan RP181018 Lot 2 on Plan RP208504 Lot 3 on Plan RP171866 Lot 3 on Plan RP36770 Lot 29 on Plan S311167
ERA 16 - Extraction and screening - 2(c) - Extracting, other than by dredging, in a year, the following quantity of material - more than 1,000,000t	Lot 1 on Plan CP846007 Lot 2 on Plan RP181018 Lot 2 on Plan RP208504 Lot 3 on Plan RP171866 Lot 3 on Plan RP36770 Lot 29 on Plan S311167
ERA 33 - Crushing, grinding, milling or screening more than 5,000t of material in a year	Lot 1 on Plan CP846007 Lot 2 on Plan RP181018 Lot 2 on Plan RP208504 Lot 3 on Plan RP171866 Lot 3 on Plan RP36770 Lot 29 on Plan S311167

Environmentally relevant activity/activities	Location(s)
ERA 54 – Mechanical waste reprocessing – 1 - operating a facility for receiving and mechanically reprocessing, in a year, more than 5,000t of inert, non-putrescible waste or green waste only	Lot 1 on Plan CP846007 Lot 2 on Plan RP181018 Lot 2 on Plan RP208504 Lot 3 on Plan RP171866 Lot 3 on Plan RP36770 Lot 29 on Plan S311167

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 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.

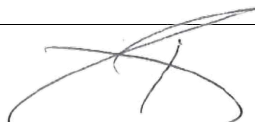
However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State*

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.

The anniversary day of this environmental authority is the same day each year as the original take effect date unless you apply to change the anniversary day. 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

13 January 2023

Date

Tristan Roberts
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:

GPO Box 2454, BRISBANE QLD 4001
Phone: (07) 3330 5715
Email: EnergyandExtractive@des.qld.gov.au

Privacy statement

Pursuant to section 540 of the EP Act, the Department is required to maintain a register of certain documents and information authorised under the EP Act. A copy of this document will be kept on the public register. The register is available for inspection by members of the public who are able to take extracts, or copies of the documents from the register. Documents that are required to be kept on the register are published in their entirety, unless alteration is required by the EP Act. There is no general discretion allowing the Department to withhold documents or information required to be kept on the public register. For more information on the Department's public register, search 'public register' at www.qld.gov.au. For queries about privacy matters please email privacy@des.qld.gov.au or telephone 13 74 68.

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 <https://www.rshq.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. If you are unsure that you have the most current version of the environmental authority relating to this site please visit <https://apps.des.qld.gov.au/env-authorities/> to access all environmental authorities currently approved.

Conditions of environmental authority

Agency interest: General	
Condition number	Condition
G1	<p>Activities under this environmental authority must be conducted in accordance with the following limitations:</p> <ul style="list-style-type: none"> a) the only wastes or materials permitted to be reprocessed are: <ul style="list-style-type: none"> i. returned concrete; ii. solid concrete washout; or iii. recycled aggregates consisting of waste bricks, pavers, ceramics, railways ballast, hardened concrete and recovered pavement material; b) the amount of waste or materials to be reprocessed must not exceed 100,000 tonnes per annum; and c) wastes or materials must only be reprocessed within the existing operational areas within the site boundary indicated in blue in Schedule 1 – Figure 2.
G2	<p>Any activity operating under this environmental authority must be carried out in accordance with: "Existing & Proposed Extractive Boundaries" referenced Project No: 7143/06 dated 26 June 2006, in Appendix A of Development Application for Proposed Extension to Existing Quarry under the following Staging Plans:</p> <ol style="list-style-type: none"> 1. 5 Year Development Plan on Plan Number 2a dated 8 December 2005; 2. 10 Year Development Plan on Plan Number 3a dated 12 December 2005; 3. 15 Year Development Plan on Plan Number 4a dated 13 December 2005; 4. 20 Year Development Plan on Plan Number 5a dated 16 December 2005; 5. 30 Year Development Plan on Plan Number 6a dated 03 January 2006; 6. 40 Year Development Plan on Plan Number 7a dated 03 January 2006; and 7. Final Pit design on Plan Number 8a dated 03 January 2006.
G3	All reasonable and practicable measures must be taken to minimise the likelihood of environmental harm being caused.
G4	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 taken.
G5	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G6	Environmental monitoring results, 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.
G7	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.
G8	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (NATA) certification, or an equivalent certification, for such analyses. The only exception to this condition is for <i>in-situ</i> monitoring of pH.
G9	When required by the administering authority, monitoring must be undertaken in the manner prescribed by the administering authority, to investigate a complaint 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 its request.
G10	The activity must be undertaken in accordance with written procedures that: <ol style="list-style-type: none"> 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.
G11	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system.
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.
A2	Dust and particulate matter emissions must not exceed the following levels when measured at any sensitive place or commercial place: <ol style="list-style-type: none"> a) dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 of 2003 (or more recent editions), or b) a concentration of particulate matter with an aerodynamic diameter of less than 10

	micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a nuisance sensitive or commercial place downwind of the site.
Agency interest: Land	
Condition number	Condition
L1	Any new boundary fencing to be erected (other than the fencing to be installed along Dayboro Road as outlined in Figure 5 defined as 'Recommended Fauna Underpass Location Terrestrial Fauna Assessment' of Volume 2 contained in the report entitled "Development Application for Proposed Extension to Existing Quarry" dated June 2006) must be koala friendly.
L2	Clearing of native vegetation on the subject site is to be staged over the life of extractive activities to ensure that only the minimum amount of clearing required for each stage is undertaken at any one time.
L3	Only vegetation located within the area necessary for the quarry and associated infrastructure is to be cleared. All remaining native vegetation is to be actively managed in accordance with the Landscape Rehabilitation Plan (Chenoweth, June 2006).
L4	<p>There is to be a net benefit to koalas on site through the implementation of the Landscape Rehabilitation Plan (Chenoweth, June 2006). Implementation is to commence from commencement of the environmentally relevant activities to which this authority relates and extend for the life of the authority and include the following actions:</p> <ul style="list-style-type: none"> a) Replanting of koala habitat trees from local seed stock in areas identified for "habitat revegetation" and "habitat rehabilitation." b) All areas subject to the Landscape Rehabilitation Plan must be actively managed for weed removal, appropriate fire management regimes, sediment and erosion control and feral animal management. c) Areas for protection and rehabilitation are to be clearly marked. If fencing is to be used to delineate these boundaries it must be koala friendly. d) Interim reports are to be submitted to the administering authority at the end of each rehabilitation stage to report on the implementation of the plan, including such things as the success of replanting, status of remnant vegetation, status of koala habitat values, weed control and success of fauna underpass.
L5	Dogs must be kept under control on site at all times to ensure koalas are not injured or harassed.
L6	Locate stockpiles of gravel and other materials away from the root zone of native trees to be retained.
L7	Koala signage is to be displayed at the entrance to the site.
L8	Vehicle movements to and from the site must not occur between 7pm and 5am except for maintenance and security vehicles.

L9	<p>Land that has been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that:</p> <ol style="list-style-type: none"> 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 released from the site, including seepage, 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.
L10	<p>Native vegetation removal may be conducted only after:</p> <ol style="list-style-type: none"> a) every effort has been made to keep the disturbed areas to a minimum; b) the areas to be cleared have been clearly delineated and identified to equipment operators and supervisors; and c) appropriate erosion and sediment control measures are in place.
L11	<p>A qualified fauna spotter / catcher holding a Rehabilitation Permit from the Queensland Parks and Wildlife Service is required to inspect the vegetation prior to it being felled for the presence of vertebrate fauna. The fauna spotter / catcher is to be present at all times whilst native vegetation is being removed to collect, remove and rehabilitate any native animals that are displaced or injured as a consequence of vegetation clearing activities. Please note that the above condition is in addition to the requirement for a koala spotter under the <i>Nature Conservation (Koala) Conservation Plan 2006</i> and does not permit the capture and translocation of koalas on the site as a result of clearing. Should a koala be injured the spotter catcher is to either take it to the nearest treatment facility or call the administering authorities number on 1300 130 372.</p>
L12	<p>Rehabilitation of disturbed areas required under condition L9 must take place progressively as works are staged and new extraction areas are commenced.</p>
L13	<p>Areas disturbed by the ERAs must be rehabilitated to a stable landform generally as shown in the following drawing contained in Appendix K of the document described as 'Petrie Quarry — Development Application for Proposed Expansion to Existing Quarry Volume 2' dated 29 June 2006:</p> <ol style="list-style-type: none"> a) Drawing No 068029RP01 dated 26 June 2006 entitled "Petrie Quarry— Preliminary Landscape Rehabilitation Plan."
L14	<p>Rehabilitation must be completed in accordance with the "<i>Landscape Rehabilitation Plan</i>" contained in Appendix K document described as 2006 <i>Petrie Quarry - Development Application for Proposed Expansion to Existing Quarry Volume 2 dated 29 June 2006</i> to the satisfaction of the administering authority.</p>
L15	<p>Staging of extraction for 5, 10, 15, 20, 30, 40 Year and Final Pit Development Plans must not begin until the areas identified for rehabilitation under 5, 10, 15, 20, 30 and 40 Year</p>

	<p>Development Plans are considered by the administering authority to be substantially commenced, which would be demonstrated by:</p> <ul style="list-style-type: none"> a) the areas designated for rehabilitation are suitably prepared to sustain proposed planting; b) at least 80% of the vegetation required for the rehabilitation is planted; and c) a management plan is implemented to ensure the planted areas are maintained, until these areas are considered rehabilitated by the administering authority in accordance with condition 'L 15'. 						
L16	<p>Areas nominated for rehabilitation under 5, 10, 15, 20, 30 , 40 Year and Final Pit Development Plans of the activities will be considered rehabilitated by the administering authority when they comply with the following outcomes:</p> <ul style="list-style-type: none"> a) achievement of a self-sustaining native ecosystem with a species composition and distribution similar to the pre-extraction species composition and distribution; and b) the landform must be suitable to support the native ecosystem and be stable and nonpolluting. 						
L17	<p>Complete an investigation into rehabilitation of disturbed areas proposing acceptance criteria for the outcomes in condition 'L 15'. This report must be prepared by at least six (6) months prior to the completion of 5, 10, 15, 20, 30, 40 Year and Final Pit Development Plans and kept on site for viewing by the administering authority upon request.</p>						
L18	<p>The top layer and sub layers of the soil profile must be removed, stockpiled separately and retained for the purpose of rehabilitation of disturbed areas where practicable.</p>						
Agency interest: Acoustic							
Condition number	Condition						
N1	Noise from the ERAs must not cause environmental nuisance at any nuisance sensitive place or commercial place.						
N2	<p>Blasting activities must not exceed the limits for peak particle velocity and air blast overpressure in <i>Table 1 – Blasting noise limits</i> when measured at any sensitive place or commercial place in accordance with the associated monitoring requirements.</p> <p>Table 1 – Blasting noise limits</p> <table border="1"> <thead> <tr> <th>Blasting criteria</th> <th>Blasting limits</th> </tr> </thead> <tbody> <tr> <td>Airblast pressure</td> <td>115 dB (Linear) Peak for 9 out of 10 consecutive blasts initiated regardless of the interval between blasts and not greater than 120 dB (Linear) Peak at any time.</td> </tr> <tr> <td>Ground vibration peak</td> <td>5 mm/s peak particle velocity for 9 out of 10 consecutive blasts regardless of the interval between blasts and not greater than 10 mm/s peak particle velocity at any time.</td> </tr> </tbody> </table> <p>Associated monitoring requirements</p> <ol style="list-style-type: none"> Monitoring must be performed in accordance with the most recent edition of the 	Blasting criteria	Blasting limits	Airblast pressure	115 dB (Linear) Peak for 9 out of 10 consecutive blasts initiated regardless of the interval between blasts and not greater than 120 dB (Linear) Peak at any time.	Ground vibration peak	5 mm/s peak particle velocity for 9 out of 10 consecutive blasts regardless of the interval between blasts and not greater than 10 mm/s peak particle velocity at any time.
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	<p>administering authority's Noise and Vibration from Blasting guideline and Noise Measurement Manual and any relevant Australian Standard.</p> <p>2. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.</p>																																																							
N3	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.																																																							
N4	<p>Unless prior approval is obtained from the administering authority:</p> <ol style="list-style-type: none"> 1. blasting is only permitted during the hours of 7 am to 6 pm Monday to Friday, and from 7 am to 2 pm on Saturdays. 2. blasting is not permitted at any time on Sundays or public holidays. 																																																							
N5	When required by the administering authority, a blast monitoring program must be developed and implemented to monitor compliance with <i>Table 1 – Blasting noise limits</i> at any sensitive place or commercial place.																																																							
N6	<p>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.</p> <p>Table 2 - Noise limits</p> <table border="1"> <thead> <tr> <th rowspan="2"></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> </thead> <tbody> <tr> <td></td> <td colspan="6">Noise measured at the sensitive place*</td> </tr> <tr> <td>LA10, adj, 10mins</td> <td>Bg + 5</td> <td>Bg + 5</td> <td>Bg + 3</td> <td>Bg + 5</td> <td>Bg + 0</td> <td>Bg + 0</td> </tr> <tr> <td>LA1,adj,10mins</td> <td>Bg + 10</td> <td>Bg + 10</td> <td>Bg + 5</td> <td>Bg + 10</td> <td>Bg + 0</td> <td>Bg + 0</td> </tr> <tr> <td></td> <td colspan="6">Noise measured at the commercial place</td> </tr> <tr> <td>LA10, adj, 10mins</td> <td>Bg + 10</td> <td>Bg + 10</td> <td>Bg + 5</td> <td>Bg + 10</td> <td>Bg + 0</td> <td>Bg + 0</td> </tr> <tr> <td>LA1,adj,10mins</td> <td>Bg + 15</td> <td>Bg + 15</td> <td>Bg + 10</td> <td>Bg + 15</td> <td>Bg + 0</td> <td>Bg + 0</td> </tr> </tbody> </table> <p>Associated monitoring requirements</p> <ol style="list-style-type: none"> 1. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual. 2. Any monitoring must be in accordance with the most recent version of the administering authority's <i>Noise Measurement Manual</i>. 3. Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation. 		Monday to Saturday			Sunday and Public Holidays			7am–6pm	6pm–10pm	10pm–7am	7am–6pm	6pm–10pm	10pm–7am		Noise measured at the sensitive place*						LA10, adj, 10mins	Bg + 5	Bg + 5	Bg + 3	Bg + 5	Bg + 0	Bg + 0	LA1,adj,10mins	Bg + 10	Bg + 10	Bg + 5	Bg + 10	Bg + 0	Bg + 0		Noise measured at the commercial place						LA10, adj, 10mins	Bg + 10	Bg + 10	Bg + 5	Bg + 10	Bg + 0	Bg + 0	LA1,adj,10mins	Bg + 15	Bg + 15	Bg + 10	Bg + 15	Bg + 0	Bg + 0
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N7	When required by the administering authority, noise and/or blast monitoring must be undertaken in accordance with the associated monitoring requirements of <i>Table 1 – Blasting noise limits</i>																																																							

	<p>and/or <i>Table 2 – Noise limits</i>, and the results notified within 14 days to the administering authority.</p> <p>Monitoring must include:</p> <ul style="list-style-type: none"> a) airblast overpressure [dB (Lin) Peak] (for blast monitoring only); b) peak particle velocity (for ground vibration monitoring only); c) $L_{A10, adj, 10mins}$; d) $L_{Ai, adj, 10mins}$; e) $L_{Amax, adj, T}$; f) $L_{Abg, T}$, (or $L_{A90, T}$); g) $L_{AN, T}$ (where N equals statistical levels of 1, 10, 50, 90 and 99); h) Max L_{pAT}; i) $L_{Aeq, T}$; j) the level and frequency of occurrence of impulsive or tonal noise; k) atmospheric conditions including wind speed and direction; l) effects due to extraneous factors such as traffic noise; m) location, date and time of recording; and n) details of measurement instrumentation and measurement procedure.
Agency interest: Water	
Condition number	Condition
WA1	Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
WA2	The only contaminants to be released to surface waters are settled treated stormwater runoff from areas of the site not likely to be contaminated with waste materials to waters described as Lake Samsonvale in accordance with <i>Table 3 — Surface water release limits</i> and the associated monitoring requirements.

Table 3 - Surface water release limits				
Release Point(s) Description	Quality characteristic (units)	Limit	Limit Type	Minimum Monitoring Frequency
WS1	Suspended solids	30mg/L	Maximum	Weekly in the event
WS2	pH	6.5 – 8.7	Range	
<p>Associated monitoring requirements</p> <ol style="list-style-type: none"> 1. Monitoring location and release points must be situated and maintained in accordance with plan <i>Surface water discharge monitoring locations dated 30th March 2007</i> as seen in <i>Schedule 1 Figure 1</i>. 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. 				
WA3	The release to waters permitted under W2 must not contain any other properties at a concentration capable of causing environmental harm.			
WA4	<p>Monitoring as required by Condition (W2) must be undertaken and records kept for the parameters listed in <i>Table 3 — Surface water release limits</i>, at the following locations:</p> <ol style="list-style-type: none"> a) waters representative of the receiving environment at a location affected by runoff from the site and during a runoff event (i.e. downstream and allowing for sufficient mixing); and b) waters representative of the receiving environment at a location unaffected by runoff from the site and during a runoff event (i.e. upstream waters). 			
WA5	The median results of monitoring data obtained under Condition (W4) must be analysed on an annual basis to determine whether contaminants released to waters exceed background levels of receiving waters monitored in Condition (W4)(b). The results must be notified within 14 days to the administering authority following completion of analysis.			
WA6	Stormwater runoff from disturbed areas of the site, generated by (up to and including) a 24 hour storm event with an average recurrence interval of 1 in 10 years must be retained on site or managed to remove contaminants prior to release.			

Agency interest: Social	
Condition number	Condition
S1	<p>The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request:</p> <ul style="list-style-type: none"> a) time, date, name and contact details of the complainant; b) reasons for the complaint; c) any investigations undertaken; and d) conclusions formed; and any actions taken.
S2	<p>The person carrying out the environmentally relevant activities of this authority must hold community consultation meeting(s) as contained in item 7 of the "Summary of Mitigation Measures" stated on page iv of Boral Petrie Quarry Extension Development Proposal Report (Volume 1) dated 30 June 2006.</p>
Agency interest: Waste	
Condition number	Condition
W1	<p>Procedures must be implemented to ensure that wastes generated on the site are minimised, recycled, stored, handled and transferred in a proper and efficient manner. Disposal of such waste must be at a facility licensed to accept such waste.</p>

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.

24 hour storm event with an average recurrence interval of 1 in 10 years means the maximum rainfall depth from a 24 hour duration precipitation event with an average recurrence interval of once in 10 years. For example, an Intensity-Frequency-Duration table for a 24 hour duration event with an average recurrence interval of 1 in 10 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 Science or its successor.

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.

Approval means 'notice of development application decision' or 'notice of concurrence agency response' under the Sustainable Planning Act 2009.

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.

Authority means an environmental authority issued under chapter 5 of the *Environmental Protection Act 1994*, to conduct a prescribed environmentally relevant activity listed under schedule 2 of the Environmental Protection Regulations 2008.

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.

Dwelling means any of the following structures or vehicles that is principally used as a residence:

- a house, unit, motel, nursing home or other building or part of a building;
- a caravan, mobile home or other vehicle or structure on land; and
- a water craft in a marina.

Department of Environment and Heritage Protection means the department or agency (whatever called) administering the *Coastal Protection and Management Act 1995* and the *Environmental Protection Act 1994*.

Hardened concrete means a building or construction material made from a mixture of aggregate, sand, cement, and water.

Koala Habitat Tree means a tree of the following genera: *Eucalyptus*, *Corymbia*, *Angophora* or *Lophostemon*.

Koala friendly fencing means a fence that allows koalas to easily climb through or over by choosing materials such as

- a) timber post-and-rail that a koala can easily climb;

- b) using rails or slats that are not more than 15cm wide
- c) leaving at least a 30cm gap between ground level and the first rail or strand

Koala Signage means any sign that displays the image of a koala and states the required traffic speed limit that is clearly visible.

L_{A10, adj, 10 mins} means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

L_{A1, adj, 10mins} means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

L_{A, max adj, τ} means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

Land in the "land schedule" of this document means land excluding waters and the atmosphere

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.

mg/L means milligrams per litre.

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 disagreeable to the sense; disgusting, nauseous or repulsive.

Railway ballast means free draining coarse aggregate of high strength used as support for railway tracks.

Recovered pavement material means removed, surplus and/or unused pavement materials, including road base and sub-base materials, containing asphalt, sprayed seals, granular material, stabilised materials (including those stabilised with cementitious binders and bitumen) and/or aggregates.

Recycled aggregates means either railway ballast that does not require mechanical reprocessing for its intended reuse or aggregates produced from mechanically reprocessing waste bricks, pavers, ceramics, railway ballast, hardened concrete, and recovered pavement material.

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.

Reprocessed (reprocessing) means mechanically crushing, milling, grinding, shredding, screening or sorting waste or material.

Returned concrete means any form of concrete product in its hardened or plastic state, and which is not reused in any concrete pour. It excludes construction and demolition waste.

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.

Site means land or tidal waters on or in which it is proposed to carry out the activity approved under this environmental authority.

Solid concrete washout means returned concrete which is washed out of concrete transport trucks and includes a mixture of fine aggregate (e.g. sand) and coarse aggregate (e.g. gravel and crushed stone) from the original concrete, and contains cement and other cementitious materials or chemicals that give the solid concrete washout resource significant residual alkalinity.

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

Watercourse means a river, creek or stream in which water flows permanently or intermittently-

- in a natural channel, whether artificially improved or not; or
- in an artificial channel that has changed the course of the watercourse.

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.

Works or operation means the activity approved under this environmental authority.

You means the holder.

Schedule 1 - Figure 1 – Map showing surface water discharge monitoring locations dated 30 March 2007 (Cardno Lawson Treloar) referenced Project No. 7143/06.

