Permit[1]

Environmental Protection Act 1994

Environmental authority

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

Permit[1] number: EPPR00788613

Environmental authority takes effect on 04-NOV-2013.

Environmental authority takes effect 4 NOVEMBER 2013

The anniversary date of this environmental authority remains the same (14 September). An annual return and the payment of the annual fee which is currently $8,611.20 will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Ostwald Bros. Pty Ltd T/A Ostwald Quarries	Ground Floor, 102 Adelaide Street BRISBANE CITY QLD 4000

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
16-(2b) Extractive >100000t but <1000000t yr 16-(3b) Screening >100000t but <1000000t yr	Crossroads Quarry Noel Robinson's Road, Chinchilla Lot 2 Plan RP215369 and Lot 1 Plan RP199452

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 if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.

JAH Mackenzie	4-11-13
Signature	Date

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

Enquiries:
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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

Location: 552 Noel Robinson's Road, Chinchilla, QLD

Crossroads Quarry - Lot 2 Plan RP215369 and Lot 1 RP199452

Relevant activity/ies:

16-(2b) Extractive >100000t but <1000000t yr
16-(3b) Screening >100000t but <1000000t yr

The environmentally relevant activity(ies) conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

GENERAL	
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** within 24 hours of **you** becoming aware of the breach. Upon request of the administering authority, **you** must provide full details of the breach and any subsequent actions undertaken.
G3	Other than as permitted within this environmental authority, the **release of a contaminant into the environment** must not occur.
G4	All information and records that are required by the conditions of this environmental authority must be kept for a period of at least 5 years and provided to the **administering authority** upon request.
G5	An **appropriately qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored, in the manner provided, as specified in 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.
G7	When requested by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a complaint of **environmental nuisance** caused by the **activity**. The monitoring results must be provided to the **administering authority** upon request.
G8	The **activity** must be undertaken in accordance with written procedures that: • identify potential risks to the environment from the **activity** during routine operations and emergencies • establish and maintain control **measures** that minimise the potential for **environmental harm** • ensure plant, equipment and **measures** are maintained in a proper and effective condition • ensure plant, equipment and **measures** are operated in a proper and effective manner • ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994*

<table>
<tr><td></td><td>• ensure that reviews of environmental performance are undertaken at least annually.</td></tr>
<tr><td colspan="2">AIR</td></tr>
<tr><td>A1</td><td>Odours, dust or airborne contaminants must not cause nuisance at any sensitive place or commercial place.</td></tr>
<tr><td colspan="2">NOISE</td></tr>
<tr><td>N1</td><td>Noise from the activity must not cause nuisance at any sensitive place or commercial place.</td></tr>
<tr><td>N2</td><td>If the holder of this development approval can provide evidence through monitoring that the limits defined in Table 1, are not being exceeded then the holder is not in breach of Condition N1.

Table 1: Noise Limits
<table>
<tr><th>Noise level dB(A) measured as</th><th colspan="3">Monday to Sunday including public holidays</th></tr>
<tr><th>Noise measured at a sensitive place</th><th>7am - 6pm</th><th>6pm - 10pm</th><th>10pm - 7am</th></tr>
<tr><td>$LA_{eq\ adj,\ T}$</td><td>45</td><td>35</td><td>30</td></tr>
</table></td></tr>
<tr><td>N3</td><td>When requested by the administering authority, noise monitoring must be undertaken and the results notified within 14 days to the administering authority. Monitoring must include:
• LAeq, adj, T; and
• MaxLpA, T; and
• the level and frequency of occurrence of any impulsive or tonal noise; and
• atmospheric conditions including wind speed and direction; and
• effects due to extraneous factors such as traffic noise; and
• location, date and time of recording.</td></tr>
<tr><td>N4</td><td>The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual.</td></tr>
<tr><td>N5</td><td>A blast management plan must be developed for each blasting activity in accordance with Australian Standard 2187.</td></tr>
<tr><td>N6</td><td>Blasting is only permitted during the hours of 9am to 3pm, Monday to Friday, and from 9am to 1pm on Saturdays, except on public holidays, and must be carried out in accordance with the latest edition of the administrating authority's, 'Noise and vibration from blasting guideline'.</td></tr>
<tr><td>N7</td><td>Blasting activities must not exceed the limits for peak particle velocity and air blast overpressure in

Table 1 – Blasting noise limits when measured at a sensitive place or commercial place and must be undertaken in accordance with the associated monitoring requirements.</td></tr>
</table>

Table 1 - Blasting noise limits

Blasting noise limits	Monday to Friday 9am to 3pm Saturday 9am – 1pm	Sundays and public holidays
Airblast overpressure	115 dB (Linear) Peak for 9 out of 10 consecutive blasts initiated and not greater than 120 bB (Linear) Peak at any time	No blasting is to occur
Ground vibration peak particle velocity	5mm/second peak particle velocity for 9 out of 10 consecutive blasts and not greater than 10 mm/second peak particle velocity at any time	No blasting is to occur

WATER	
WT1	Other than as permitted within this authority, contaminants must not be released to any **waters** or the bed and banks of any **waters**.
WT2	Stormwater contaminated by the activity must be managed to minimise or prevent any adverse impacts on the values of the receiving environment.
WT3	Ponds used for the storage or treatment of wastewater or wastes must be constructed, installed and maintained to: a) prevent any release of wastewater or wastes from the ponds to any waters other than during wet weather; and b) events; and c) minimise overflows during wet weather; and d) ensure the stability of the pond structure.
WT4	Erosion and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
WT5	The stormwater runoff generated by a 24 hour storm event with an average recurrence interval of one in 10 years must be retained on site and treated to remove contaminants before release
LAND	
L1	Contaminants from the activity must not be released to land.
L2	Acid sulfate soils, acid-producing rock and marine sediments must not be processed.
L3	All chemicals and fuels in bulk or in containers of greater than 15 litres must be stored within a secondary containment system.
L4	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 are planted and established; 2. potential for erosion of the site 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; and 6. the final landform is stable and protects public safety.
L5	Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced.
WASTE	
WS1	All waste generated in carrying out the **activity** must be reused, recycled or removed to a facility that can lawfully accept the waste.
WS2	Waste must not be burnt.

Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should 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.

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.

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.

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.

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, 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.

Prescribed 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
- to cause or allow the contaminant to be deposited, discharged, emitted or disturbed; and
- to fail to prevent the contaminant from being deposited, discharged emitted or disturbed; and
- to allow the contaminant to escape; and
- to 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:

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- 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.

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.

You means the holder of the environmental authority.

END OF PERMIT