Queensland Government

Department of
Environment and Heritage Protection

10-DEC-2015

To: Bassridge Pty Ltd
C/- Ecoroc Pty Ltd
PO Box 684
LABRADOR QLD 4210

Attention: Dugald Gray

Our reference: 391733

Application details

I refer to the application that was received by the administering authority on 01-DEC-2015.

Land description: Villadale Road, Stewart Park via Richmond Lot 4 Plan RM11.

Decision

Your application has been approved and your environmental authority (reference EPPR03650515) is attached.

Should you have any further enquiries, please contact Christine Hall on telephone 1300 130 372 (option 4).

Yours sincerely

	10/12/2015
Signature	Date

Jodie Brackenbury
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Christine Hall
Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: (07) 3330 5875
Email: palm@ehp.qld.gov.au
Website **www.ehp.qld.gov.au**
ABN 46 640 294 485

Enclosed

Permit - environmental authority (reference EPPR03650515)

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: EPPR03650515

Environmental authority takes effect on 10-DEC-2015.

The first annual fee is payable within 20 business days of the effective date.

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

Environmental authority holder(s)

Name	Registered address
Bassridge Pty Ltd	Stewart Park Station Villadale Road RICHMOND QLD 4822

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
16-(2a) Extractive >5000t but <100000t yr 16-(3a) Screening >5000t but <100000t yr	Villadale Road, Stewart Park via Richmond - Lot 4 Plan RM11

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.

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

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

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.



Signature

10/12/2015

Date

Jodie Brackenbury
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Christine Hall
Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: (07) 3330 5875
Email: palm@ehp.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

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

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

Conditions of environmental authority

The conditions of this environmental authority are the conditions of the attached Development Approval Reference SPCE04651512, as they related to the licensed activities, where any references to the holder of the development approval are taken to refer to the holder of this environmental authority

Location: Villadale Road, Stewart Park via Richmond

Lot 4 Plan RM11

Relevant activity/ies:

16-(2a) Extractive >5000t but <100000t yr
16-(3a) Screening >5000t but <100000t yr

Attachments:

- Development Approval Permit

END OF PERMIT

Queensland Government

Department of
Environment and Heritage Protection

Sustainable Planning Act 2009

EHP Permit [1] number: SPCE04651512

Assessment manager reference (if any):	Richmond Shire Council (no reference provided)
Date application received:	24/8/2012
Permit type:	concurrence agency response
Date of decision:	8 October 2012
Decision:	For a **concurrence agency response** conditions that must attach to any development approval
Relevant laws and policies:	*Environmental Protection Act 1994* and any related statutory instruments and subordinate legislation
Jurisdiction(s):	Material change of use - Environmentally relevant activities Sustainable Planning Regulation 2009 – Schedule 7, table 2, item 1

Development Description(s)

Property/Location		Development
Villadale Road, "Stewart Park", Richmond	Lot 4 RM 11	16 2(b) Extracting, other than by dredging, in a year 5000 to 100,000 tonnes 16 3(a) Screening in a year 5000 to 100,000 tonnes

Reason(s) for inclusion of conditions

In accordance with section 289 of the *Sustainable Planning Act 2009*, the reason(s) for inclusion of conditions stated in this permit required by the concurrence agency response for the application are as follows.

The conditions are included pursuant to section 73B of the Environmental Protection Act 1994.

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Department of Environment and Heritage Protection.

Delegate
Eric Gustavson
Delegate, Chief Executive administering
Environmental Protection Act 1994
Department of Environment and Heritage Protection
Date: 8 October 2012

CONDITIONS

Agency Interest: General

G1 Extraction must not exceed the bounds of the 'extraction area' and the 'future extraction area' defined in the attached Bassridge Quarry Operational Area Plan drawing No. BQ_002v3 dated 4/7/12 and developed by Ausrocks Consulting Mining Engineers (see attachment 1 below).

G2 The maximum depth of extraction must not exceed RL 250 metres Australian Height Datum (AHD).

G3 **Prevent and/or minimise likelihood of environmental harm.**

In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused.

G4 **Maintenance Of Measures, Plant and Equipment.**

The operator of an ERA to which this approval relates must:
(a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
(b) maintain such measures, plant and equipment in a proper and efficient condition; and
(c) operate such measures, plant and equipment in a proper and efficient manner.

G5 **Site Based Management Plan.**

From commencement of an ERA to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out.

The SBMP must address the following matters:
(a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals.
(b) Identification of environmental issues and potential impacts.
(c) Control measures for routine operations to minimise likelihood of environmental harm.
(d) Contingency plans and emergency procedures for non-routine situations.
(e) Organisational structure and responsibility.
(f) Effective communication.
(g) Monitoring of contaminant releases.
(h) Conducting environmental impact assessments.
(i) Staff training.
(j) Record keeping.
(k) Periodic review of environmental performance and continual improvement.

G6 The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.

G7 Acid sulfate soils must be managed such that contaminants are not directly or indirectly released to

any waters.

G8 All acid sulphate soils must be disposed of or managed within the authorised place.

G9 **Records.**

Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.

G10 **Waste Records.**

A record of all waste [insert type of waste/s - do not include any trackable wastes excluding trackable waste] must be kept detailing the following information:

a) date of pickup of waste;
b) description of waste;
c) quantity of waste;
d) origin of the waste; and
e) destination of the waste.

Note: Trackable wastes as listed in Schedule 1 of the Environmental Protection (Waste Management) Regulation 2000 are not covered by this condition. Trackable wastes have similar recording requirements to this condition in accordance with a waste tracking system established under the above Regulation

G11 All records required by this approval must be kept for 5 years.

G12 **Notification.**

Telephone the DEHP Pollution Hotline 1300 130 372 or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.

G13 **Spill Kit.**

An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.

G14 **Spill Kit Training.**

Anyone operating under this approval must be trained in the use of the spill kit.

G15 **Complaint Response.**

The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request:

a) Time, date, name and contact details of the complainant;
b) reasons for the complaint;
c) any investigations undertaken;
d) conclusions formed; and
e) any actions taken.

Agency Interest – Air

A1 **Dust Control**

Stockpiles must be maintained using all reasonable and practicable measures necessary to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to:
(a) use of waterspray as required during winds likely to generate such releases;
(b) use of dust-suppressant shielding;
(c) storage in bunkers; and
(d) covering with tarpaulins.

A2 Trafficable areas must be maintained using all reasonable and practicable measures necessary to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to:
(a) keeping surfaces clean;
(b) sealing with bitumen or other suitable material;
(c) using water sprays;
(d) adopting and adhering to speed limits; and
(e) using dust suppressants and wind breaks.

A3 Any spillages of material onto sealed areas, as a result of delivery or handling, must be cleaned up without delay into storage bins or other suitable receptacles.

A4 **Loss of Materials During Transit**

The tailgates of all trucks leaving the premises to which this development approval relates must be securely fixed prior to loading to prevent loss of material.

A5 The holder of this development approval must take all reasonable and practicable measures necessary to prevent spillage and/or loss of particulate matter or windblown dust from trucks used for transporting extracted material from the premises to which this development approval relates. The entire load must be covered with a tarpaulin or similar material for the duration of transport.

Other, reasonable and practicable measures must include but are not limited to:
(a) wetting down the load prior to transport; and
(b) clearing of spillage from side rails, tail gates and draw bars of trucks prior to departure from the premises to which this development approval relates and prior to departure from the premises to which this development approval relates to which the load has been delivered.

A6 **Dust Nuisance.**

The release of dust and/or particulate matter resulting from the ERA must not cause an environmental nuisance at any nuisance sensitive or commercial place.

A7 Dust and particulate matter must not exceed the following levels when measured at any nuisance sensitive 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 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, when monitored in accordance with:
   i. Australian Standard AS 3580.9.6 of 2003 (or more recent editions) 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet -Gravimetric method'; or

ii. any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority

A8 When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
a) for a complaint alleging dust nuisance, dust deposition; and
b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24hr averaging time.

A9 Prevent or minimise the release of dust to the atmosphere from crushing and screening equipment and material conveyor systems.

Agency Interest – Land

L1 **Land Rehabilitation.**

The site (including all disturbed areas such as slopes, borrow pits, stockpile and screening areas) must be rehabilitated in a manner such that:
(a) suitable native species of vegetation are planted and established;
(b) potential for erosion of the site is minimised;
(c) the quality of stormwater, other water and seepage released from the site is such that releases of contaminants such as suspended solids, turbidity, total dissolved salts, pH, total iron, total aluminium, and total manganese are not likely to cause environmental harm;
(d) the likelihood of environmental nuisance being caused by release of dust is minimised;
(e) the water quality of any residual water body meets relevant criteria for subsequent uses and does not have potential to cause environmental harm;
(f) the final landform is stable and not subject to slumping; and
(g) any actual and potential acid sulphate soils in or on the site are either not disturbed, or are submerged or treated, so as to not be likely to cause environmental harm.

L2 Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced.

L3 Areas disturbed by the ERA must be rehabilitated to a stable landform similar to that of the surrounding undisturbed areas.

L4 **Preventing Contaminant Release To Land.**

Contaminants must not be released to land.

Spills

L5

Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

Agency Interest – Noise

N1 **Noise Nuisance.**

Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place

N2 **Noise Monitoring.**

When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:

- $L_{A\ max,\ adj,\ 15\ mins}$;
- $L_{A\ 90,\ 15\ mins}$;
- $L_{A\ 1,\ adj,\ 15\ mins}$;
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;
- effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

N3 The method of measurement and reporting of noise levels must comply with the latest edition of the Departments Noise Measurement Manual.

N4 All noise from the licensed activities must not exceed the levels specified in *Table 1 – Noise limits at a nuisance sensitive or commercial place.*

Table 1 – Noise limits at a nuisance sensitive or commercial place

Noise level dB(A) measured as	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm - 10pm	10pm - 7am	9am - 6pm	6pm - 10pm	10pm - 9am
	Noise measured at a 'Noise sensitive place'					
$L_{A90,\ 15\ mins}$	Bkg* + 3	Bkg* + 0	Bkg* + 0	Bkg* + 0	Bkg* + 0	Bkg* + 0
$L_{A\ max,\ adj,\ 15\ mins}$	Bkg* + 5	Bkg* + 5	Bkg* + 3	Bkg* + 5	Bkg* + 5	Bkg* + 0
$L_{A1,\ adj,\ 15\ mins}$	Bkg* + 10	Bkg* + 10	Bkg* + 8	Bkg* + 10	Bkg* + 10	Bkg* + 5
	*Noise measured at a 'Commercial place'					
$L_{A90,\ 15\ mins}$	Bkg* + 5	Bkg* + 0	Bkg* + 0	Bkg* + 3	Bkg* + 0	Bkg* + 0
$L_{A\ max,\ adj,\ 15\ mins}$	Bkg* + 10	Bkg* + 10	Bkg* + 8	Bkg* + 10	Bkg* + 10	Bkg* + 5
$L_{A1,\ adj,\ 15\ mins}$	Bkg* + 15	Bkg* + 15	Bkg* + 13	Bkg* + 15	Bkg* + 15	Bkg* + 10

*Where Bkg represents the background noise level measured in accordance with the Department of Environment and Resource Management's Noise Measurement Manual

N5 **Blasting Noise**

Blasting is only permitted during the hours of 9am to 3pm, Monday to Friday, and from 9am to 12pm on Saturdays. Blasting must not occur on Sundays and public holidays.

N6 Blasting outside the authorised times must be approved by the administering authority.

N7 Noise from blasting operations when measured at any noise sensitive or commercial place must not exceed:
(a) an airblast overpressure of more than 115dB (Lin) Peak for nine out of any 10 consecutive blasts; and
(b) 120dB (Lin) Peak for any single blast.

N8 **Blasting Vibration**

Ground vibration from blasting operations when measured at any noise sensitive or commercial place must not exceed:
(a) a peak particle velocity of 5mm per second for nine out of any 10 consecutive blasts; and
(b) a peak particle velocity of 10mm per second for any single blast.

N9 **Blasting Monitoring**

When requested by the administering authority, blasting noise and vibration monitoring and recording must be undertaken to investigate any complaint of blasting noise and vibration nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:
(a) peak particle velocity (mms^{-1});
(b) airblast overpressure level dB (Lin) Peak;
(c) maximum instantaneous charge (MIC) in kg;
(d) the level and frequency of occurrence of impulsive or tonal noise;
(e) location of the blast/s within the site (including which bench level);
(f) distance(s) from the blast site to any nuisance sensitive or commercial place;
(g) atmospheric conditions including temperature, relative humidity and wind speed and direction;
(h) effects due to extraneous factors; and
(i) location, date and time of recording.

N10 **Vibration Nuisance.**

Vibration emitted from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.

Agency Interest - Water

W1 Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.

W2 The size of any sedimentation dam must be sufficient to contain the run-off expected from a 24 hour storm with an average recurrence interval of 1 in 5 years.

W3 **Release To Waters**
Contaminants must not be released from the site to any waters or the bed and banks of any waters.

W4 **Stormwater Management Plan**
The registered operator must develop and implement a Stormwater Management Plan which details how the registered operator will effectively and appropriately manage the operation of the ERA so as to prevent, as far as is practicable, any contamination of stormwater and any release of contaminated stormwater.

Agency Interest – Waste

WA1 **General Waste Management**

No waste may be burned on the site or be removed and burned elsewhere.

WA2 All waste generated must be lawfully transported and disposed of to a facility which can lawfully accept such waste.

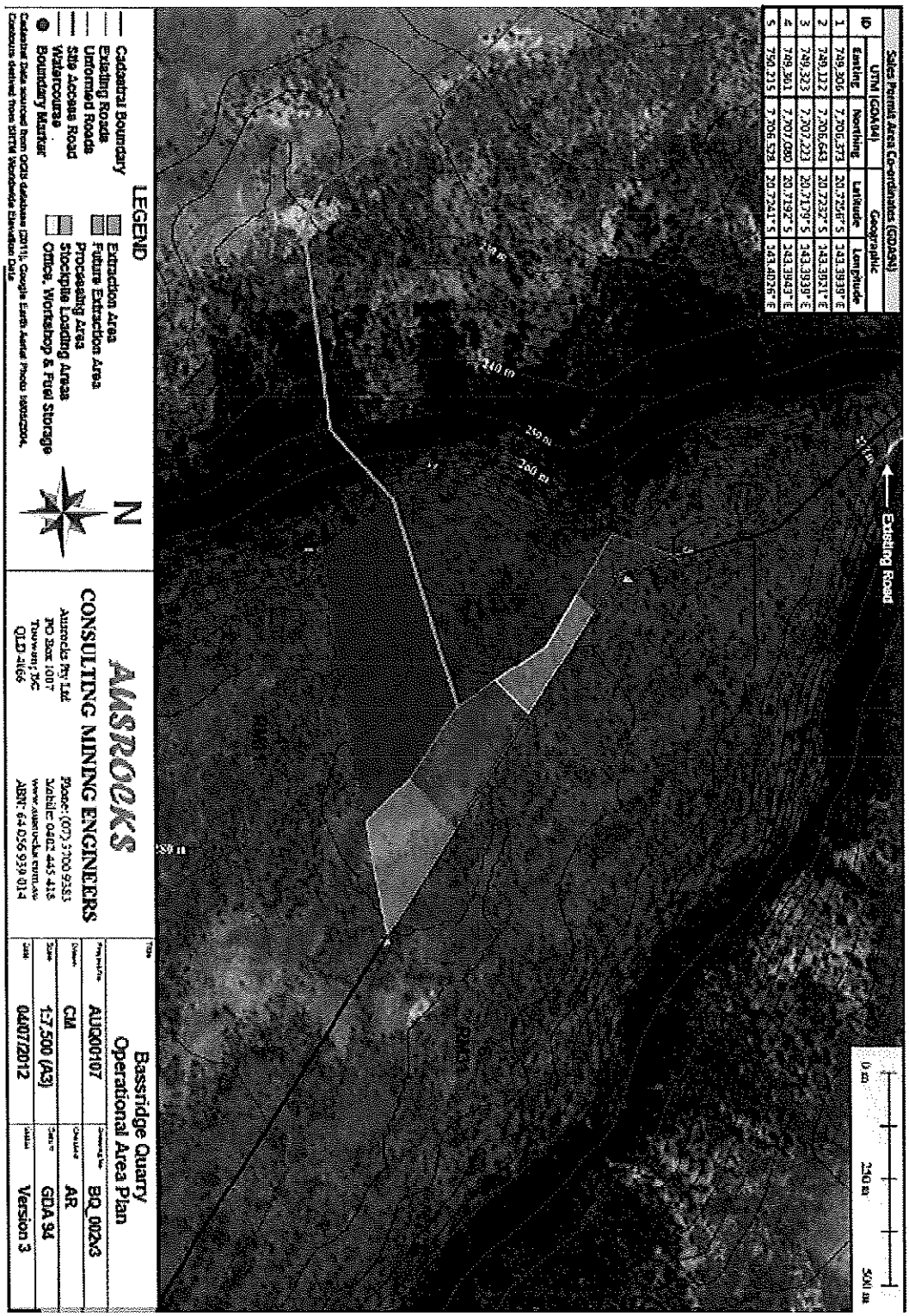
Agency Interest: Social

S1 **Complaint Response.**

The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request:

a) Time, date, name and contact details of the complainant;
b) reasons for the complaint;
c) any investigations undertaken;
d) conclusions formed; and
e) any actions taken.

END OF CONDITIONS



Attachment 1 - Bassridge Quarry Operational Area Plan (see condition G1 above)