# Permit[1]

***Environmental Protection Act 1994***

## Environmental authority EPPR00982913

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

## Permit[1] number: EPPR00982913

**Environmental authority takes effect 13 January 2016**

The anniversary date of this environmental authority remains 15 May. An annual return and the payment of the annual fee will be due each year on this day.

## Environmental authority holder

| Name | Registered address |
|---|---|
| Crushing Industries Australia Pty Ltd | Level 17<br>383 Kent Street<br>SYDNEY NSW 2000 |

## Environmentally relevant activity and location details

| Environmentally relevant activities | Locations |
|---|---|
| 16 (2a) - Extracting, other than by dredging, in a year, the following quantity of material - 5000t to 100,000t<br>16 (3a) - Screening, in a year, the following quantity of material - 5000t to 100,000t | Pebble Ridges Quarry - Lot 12 Plan SP236271 |
| 16 (2b) - Extracting, other than by dredging, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t<br>16 (3b) - Screening, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t | Luxor Quarry - Lot 7 Plan CNS295 |
| Mobile & Temporary Screening - 16 (3b) Screening, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t | Various locations throughout the State of Queensland (ENRE00545106) |

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

**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).

Contaminated land

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

- a notifiable activity (as defined in Schedule 3) that is being, or has been, carried out on the land (notice must be given within 20 business days)
- an event involving a hazardous contaminant on the land, or a change in the condition of the contaminated land, that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours).

For further information, including the form for giving written notice, refer to the Queensland Government website http://www.qld.gov.au/ (using the search term 'managing contaminated land').

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|---|---|
| JMM. | 13 - JAN - 2016 |
| Signature | Date |

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

**Enquiries:**
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
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

## Part 1

The environmentally relevant activities conducted at the location as described in **Pebble Ridges Quarry - Activity and Location Description** below must be conducted in accordance with the following site specific conditions of this approval.

**Pebble Ridges Quarry – Activity and Location Description**

| **Environmentally relevant activity** | **Location** |
|---|---|
| 16(2a) - Extracting, other than by dredging, in a year, the following quantity of material - 5000t to 100,000t<br>16(3a) - Screening, in a year, the following quantity of material - 5000t to 100,000t. | Pebble Ridges Quarry - Lot 12 Plan SP236271 |

| **Agency interest: General** | |
|---|---|
| **Condition number** | **Condition** |
| **A4-1** | **Prevent and or minimise likelihood of environmental harm**<br>In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and/or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have be prevented, shall be carried out in a proper manner in accordance with the conditions of this approval.<br>NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm. |

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| **A4-2** | **Maintenance of measures, plant and equipment**<br>The holder must:<br>a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and<br>b) maintain such measures, plant and equipment in a proper and efficient condition; and<br>c) operate such measures, plant and equipment in a proper and efficient manner. |
| **A4-3** | **Integrated Environmental Management System**<br>The holder of this environmental authority must develop and implement an Integrated Environmental Management System (IEMS) which provides for the following functions:<br>i. The monitoring of releases of contaminants into the environment and an environmental assessment of the releases;<br>ii. Staff training and awareness of environmental issues;<br>iii. The conduct of environmental and energy audits;<br>iv. Waste prevention, treatment and disposal;<br>v. A program for continuous improvement; and<br>vi. Reporting arrangements on the effectiveness of the environmental management of the activities. |
| **A4-4** | The IEMS must be implemented prior to any activity on the site. |
| **A4-5** | **Records**<br>Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format. |
| **A4-6** | Records must be kept for five years, and must include the following information:<br>a) date of pickup of waste;<br>b) description of waste;<br>c) cross reference to relevant waste transport documentation;<br>d) quantity of waste;<br>e) origin of the waste;<br>f) destination of the waste; and<br>g) intended fate of the waste, for example, type of waste treatment, reprocessing or disposal.<br>NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition. |
| **A4-7** | Erosion and sediment control measures must be maintained at all times during the period of operation of the quarry site and during the construction of the proposed facility. |
| **A4-8** | Notify the administering authority as soon as practicable when the release of contaminants is not in accordance with the conditions of this document or any event where environmental harm may be threatened. |

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| **A4-9** | Written advice of the following information must be provided within fourteen (14) days following any event as identified in condition A4-8:<br>a) the location of the event;<br>b) the time of the event;<br>c) the time the holder of the environmental authority became aware of the event;<br>d) the suspected cause of the event;<br>e) a description of the resulting effects of the event;<br>f) actions taken to mitigate any environmental harm and or environmental nuisance caused by the event; and<br>g) proposed actions to prevent recurrence of the event. |
| **A4-10** | This environmental authority applies to the extraction and screening of 30,000 cubic meters of material per annum at the site without blasting. |
| **Agency interest: Air** | |
| **Condition number** | **Condition** |
| **B3-1** | **Nuisance**<br>The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place. |
| **B3-2** | **Dust Nuisance**<br>The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place. |
| **B3-3** | Exceedance of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition B3-1.<br>a) Dust deposition of 120 milligrams per square meter per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; OR<br>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 meter over a 24 hour averaging time, at a dust sensitive place downwind of the premises to which this development approval relates, when monitored in accordance with:<br>i. Australian Standard AS 3580.9.6 'Ambient air- Particulate matter- Determination of suspended particulate PM10 high-volume sampler with size-selective inlet- Gravimetric method'; or<br>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. |

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| **B3-4** | 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 include:<br>a) for a complaint alleging dust nuisance, dust deposition; and<br>b) for a complaint alleging adverse health effects caused by dust, the concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic meter over a 24 hour averaging time. |
| **Agency interest: Water** | |
| **Condition number** | **Condition** |
| **C3-1** | **Erosion protection measures and sediment controls**<br>Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment. 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. Sediment released to the bed of the receiving waters, affected by process water and stormwater contaminated by activities, can only be released when in compliance with the limits in Table 1- Sediment Release Limits. |

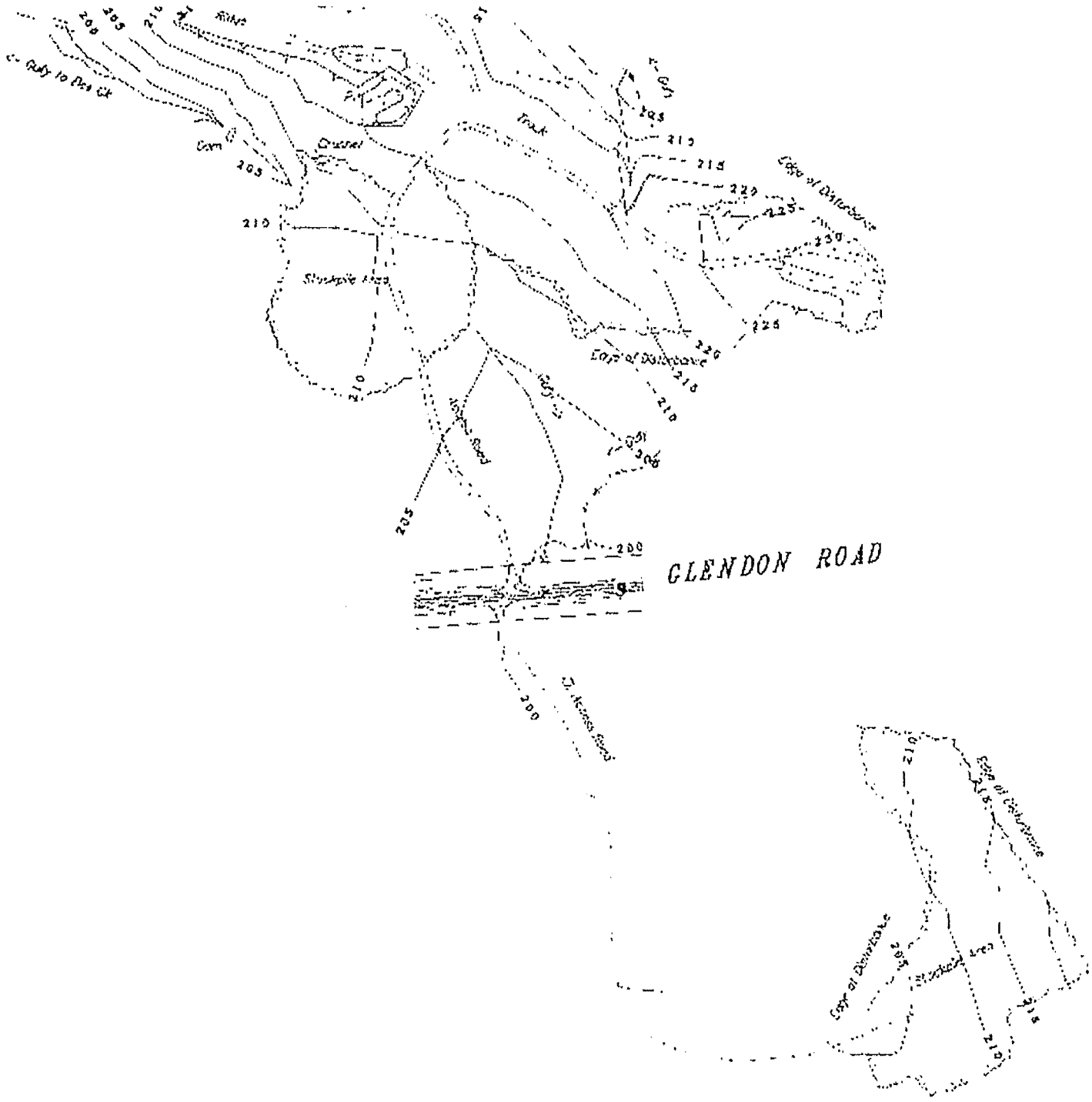
**Table 1 – Sediment Release Limits**

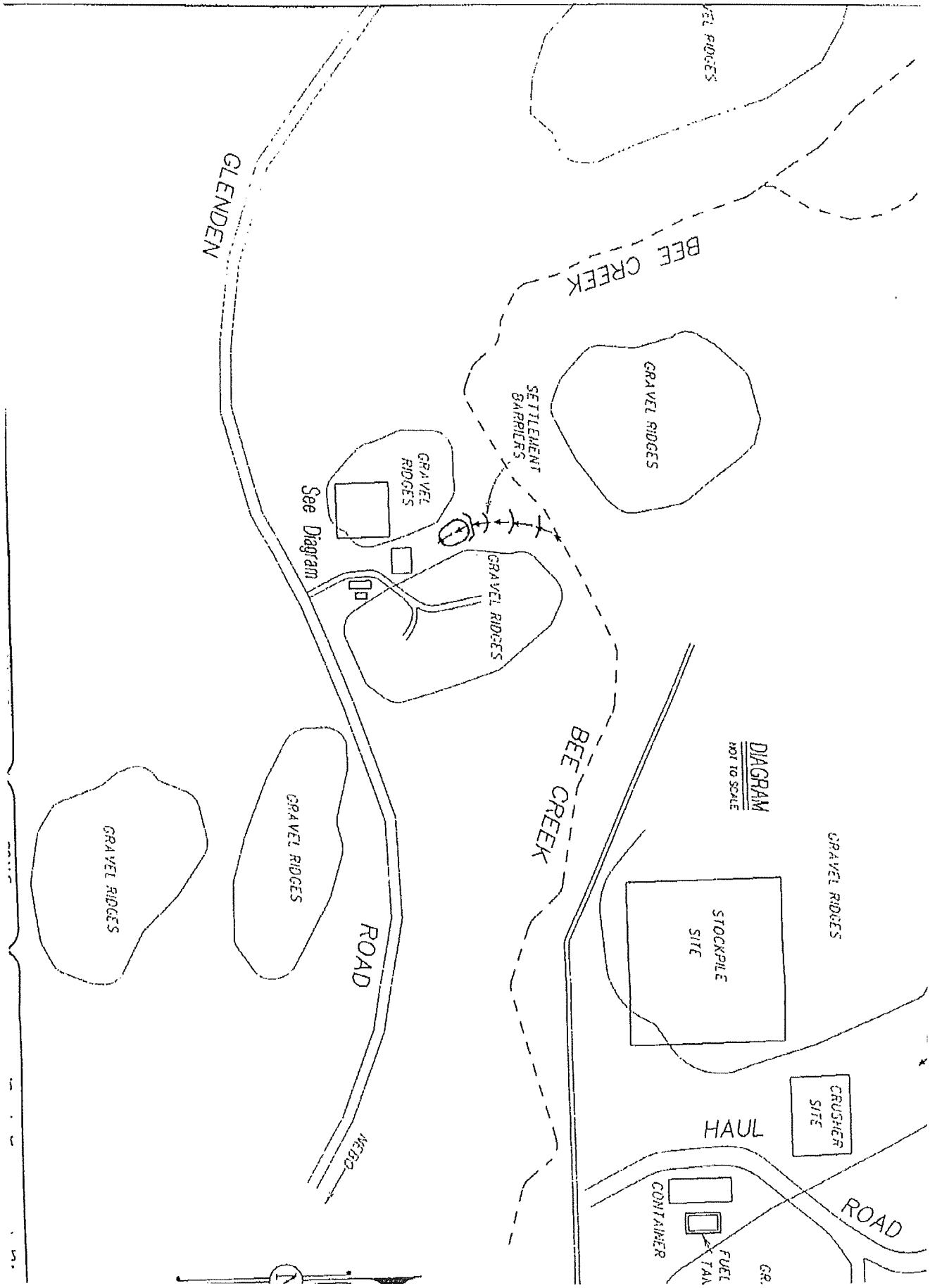
| Monitoring Point | Release Point | Parameter | Maximum Release Limit | Monitoring Frequency |
|---|---|---|---|---|
| Below sedimentation ponds | Spill way at sedimentation pond | Suspended solids | 75mg/L | When discharging |

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|---|---|
| **C3-2** | Water velocities through temporary watercourse diversions around the works area must be maintained similar to pre-work velocities during such diversions, and must be re-instated once dredging works are completed. |
| **C3-3** | **Stormwater management**<br>There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain. |
| **C3-4** | **Pond conditions**<br>Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from entering any ponds or other structures used for the storage or treatment of contaminants or wastes. |

| **Agency interest: Noise and Vibration** | |
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| **Condition number** | **Condition** |
| **D2-1** | **Noise monitoring**<br>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:<br>(a) $L_{A, max\ adj.\ T}$<br>(b) the level and frequency of occurrence of impulsive or tonal noise;<br>(c) atmospheric conditions including wind speed and direction;<br>(d) effects due to extraneous factors such as traffic noise; and<br>(e) location, date and time of recording. |
| **D2-2** | The method of measurement and reporting noise levels must comply with the latest edition of the administering authorities Noise Measurement Manual. |
| **Agency interest: Land** | |
| **Condition number** | **Condition** |
| **F2-1** | **Land rehabilitation**<br>The authorised place must be rehabilitated (including all disturbed areas such as slopes, borrow pits, stockpile and screening areas) in a manner such that:<br>a) suitable native species of vegetation are planted and established;<br>b) potential for erosion of the site is minimised;<br>c) the quality of stormwater, 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;<br>d) the likelihood of environmental nuisance being caused by release of dust is minimised;<br>e) the water quality of any residual water bodies meets criteria for subsequent uses and does not have potential to cause environmental harm;<br>f) the final landform is stable and not subject to slumping; and<br>g) any actual and potential acid sulfate soils in or on the site are either not disturbed; or, submerged, or treated so as to not be likely to cause environmental harm. |
| **F2-2** | **Preventing contaminant release to land**<br>Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.<br>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: Waste** | |
|---|---|
| **Condition number** | **Condition** |
| **E2-1** | **Waste handling**<br>All regulated waste removed from the premises to which this development approval relates must be removed by a person who holds a current approval to transport such waste under the provisions of the *Environmental Protection Act 1994*. |
| **Agency interest: Community** | |
| **Condition number** | **Condition** |
| **G4-1** | **Complaint response**<br>All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request. |


CLENDON ROAD
Track
Quarry
Edge of Disturbance
Access Road


GLENDEN
BEE CREEK
GRAVEL RIDGES
SETTLEMENT BARRIERS
See Diagram
GRAVEL RIDGES
GRAVEL RIDGES
GRAVEL RIDGES
GRAVEL RIDGES
ROAD
NEED
BEE CREEK
DIAGRAM
NOT TO SCALE
GRAVEL RIDGES
STOCKPILE SITE
CRUSHER SITE
HAUL
ROAD
CONTAINER
FUEL TAN
GR.

## Part 2

The environmentally relevant activities conducted at the location as described in **Luxor Quarry - Activity and Location Description** below must be conducted in accordance with the following site specific conditions of this approval.

**Luxor Quarry – Activity and Location Description**

| **Environmentally relevant activity** | **Location** |
|---|---|
| 16 (2b) Extracting, other than by dredging, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t<br>16 (3b) Screening, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t | Luxor Quarry - Lot 7 Plan CNS295 |

| **Agency interest: General** | |
|---|---|
| **Condition number** | **Condition** |
| **A3-1** | **Access to copy of Environment Authority**<br>A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity. |
| **A3-2** | **Records**<br>Any record or document required to be kept by a condition of this environmental authority must be kept at the licensee' s principal place of business for a period of at least twelve years and be available for examination by an authorised person. For daily and weekly records, the record retention requirements of the condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period. |
| **A3-3** | **Alterations**<br>No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority.<br>An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quality of the contaminant to be released into the environment. |

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| **A3-4** | **Integrated Environmental Management System (IEMS)**<br>a) The holder of this environmental authority must develop and implement an IEMS which provides for the following function :<br>i. the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and<br>ii. staff training and awareness of environmental issues; and<br>iii. the conduct of environmental and energy audits; and<br>iv. waste prevention, treatment and disposal; and<br>v. avoidance or minimisation of contaminated stormwater, and re-use, treatment or disposal of it; and<br>vi. control of on-site soil erosion in all areas except those being actively worked; and<br>vii. rehabilitation of site progressively and on completion of job; and<br>b) lodge with the administering authority on or before 19 December 1997 and at 3-monthly intervals thereafter until 19 June 1998, a brief report describing the progress in developing and implementing the Integrated Environmental Management System; and<br>c) on or before 19 September 1998, have completed and implemented the IEMS and<br>d) on or before 19 November 1998, lodge a detailed description of the IEMS and its documentation with the administering authority for its review and comment; and<br>e) have due regard to that comment in the finalisation of the IEMS. |
| **A3-5** | A copy of the IEMS must be kept in a location readily accessible to personnel carrying out the activity. |

| **Agency interest: Air** | |
|---|---|
| **Condition number** | **Condition** |
| **B2-1** | **Control of Dust Emission**<br>At each site where it is reasonable to expect that dust will cause environmental nuisance, the emission of dust must be kept to a practical minimum, by means that are reasonable and practicable in the circumstances, such as the following:<br>a) for wind-blown dust emissions from roadways and other vehicle movement areas for which the licensee is responsible -<br>i. paving;<br>ii. sealing;<br>iii. keeping watered.<br>b) for dust emissions from stockpiles of material -<br>i. water sprays;<br>ii. enclosure of stockpiles;<br>iii. controlling the height of stockpiles within enclosures and the distance between toe of stockpile and open base of enclosure.<br>c) for dust emissions from conveyors -<br>i. water sprays;<br>ii. enclosure of conveyors;<br>iii. wind shielding of conveyors.<br>d) for dust emissions from hoppers<br>i. shrouding of the opening to limit generation of wind-blown dust;<br>ii. keeping the load level at least 0.5m below the top of the hopper.<br>e) for wind-blown dust emissions associated with vehicular transport of quarry materials –<br>i. ensuring tailgate of vehicle is securely closed during loading and transport;<br>ii. keeping the load covered by a tarpaulin during transport;<br>iii. ensuring that the load is damp during transport and unloading. |

| **Agency interest: Stormwater Management** | |
|---|---|
| **Condition number** | **Condition** |
| **C2-1** | **Control of Stormwater Contamination**<br>The environmental harm caused by contamination of stormwater runoff must be kept to a practical minimum, by means that are reasonable and practicable in the circumstances, such as the following:<br>a) providing appropriate works such as bunding or drains around the site of the activity, designed to intercept stormwater runoff coming from areas outside the site and divert it away from the site;<br>b) providing settling ponds to reduce sediment concentration in stormwater runoff within the site before its release off the site, so that the quality of stormwater thus released to a watercourse is not worse than the quality of waters in the watercourse immediately upstream of the place where the stormwater enters the watercourse. |

**Agency interest: Noise**

| Condition number | Condition |
|---|---|
| F2-3 | **Emission of Noise**<br>In the event of a complaint about noise that the administering authority considers is reasonable, then the emission of noise from the activity must not result in levels greater than those specified in Tables 2 and 3 of the Noise Schedule until the circumstances which gave rise to the complaint are resolved. |

**Table 2 - Noise Limits**

| **Noise Limit at a Noise Sensitive Place**<br>Measured as the adjusted Maximum Sound Pressure Level $L_{Amax\ adj,\ T}$ | **Period** |
|---|---|
| "background noise level" plus 5dB(A) | 6am – 6pm |
| "background noise level" plus 5dB(A) | 6pm – 10pm |
| "background noise level" plus 3dB(A) | 10pm – 6am |

**Table 3 – Noise Limits**

| **Noise Limit at a Commercial Place**<br>Measured as the adjusted Maximum Sound Pressure Level $L_{Amax\ adj,\ T}$ | **Period** |
|---|---|
| "background noise level" plus 10dB(A) | 6am – 6pm |
| "background noise level" plus 10dB(A) | 6pm – 10pm |
| "background noise level" plus 8dB(A) | 10pm – 6am |

| **Agency interest: Monitoring and Reporting** | |
|---|---|
| **Condition number** | **Condition** |
| **H1-1** | **Compliant Recording**<br>All complaints received by the holder or this environmental authority relating to releases of contaminant from operation at the licensed place must be recorded and kept with the following details:<br>a) time, date and nature of complaint;<br>b) type or communication (telephone, letter, personal etc.);<br>c) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded);<br>d) response and investigation undertaken as a result of the complaint;<br>e) name of person responsible for investigating complaint; and<br>f) action taken as a result of the complaint investigation and signature of responsible person. |

| **Agency interest: Waste Management** | |
|---|---|
| **Condition number** | **Condition** |
| **G3-1** | **Burning of Waste**<br>The holder of this environmental authority must not:<br>a) allow waste to burn or be burned at or on any licensed place; or<br>b) remove waste from any licensed place and burn such waste elsewhere. |
| **G3-2** | **Regulated Waste Disposal**<br>Regulated waste must not be disposed of by deposit or burial at any licensed place covered by this license. |
| **G3-3** | **Offsite Movement of Regulated Waste**<br>Where regulated waste is removed from a licensed place the holder of this environmental authority must monitor and keep records of the following:<br>a) the date, quantity and type of waste removed; and<br>b) name of the waste transporter and/or disposal operator that removed the waste; and<br>c) the intended treatment/disposal destination of the waste. |

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| **G3-4** | **Storage of Petroleum Products, Chemicals etc.**<br>a) All materials liable to contaminate stormwater runoff within the site, such as petroleum products and chemicals, must be stored under cover or within a bunded compound, and on a floor which is practically impervious to the materials in the event of any spill.<br>b) All tanks and other containers used for storing liquid petroleum products must be enclosed by a bunded compound having a capacity not less than 100% of the volume of the largest tank or other container it encloses. |

## Part 3

The environmentally relevant activities conducted at the location as described in **Mobile and Temporary Screening - Activity and Location Description** below must be conducted in accordance with the following site specific conditions of this approval.

**Mobile & Temporary Screening – Activity and Location Description**

| **Environmentally relevant activity** | **Location** |
|---|---|
| Mobile & Temporary Screening - 16 (3b) Screening, in a year, the following quantity of material - more than 100,000t but not more than 1,000,000t | Various locations throughout the State of Queensland (ENRE00545106) |

| **Agency interest: General** | |
|---|---|
| **Condition number** | **Condition** |
| **G2-1** | **Activity Based Management Plan**<br>From commencement of the ERA, an activity based management plan (ABMP) for carrying out the ERA must be implemented. The ABMP must include:<br>a) A statement of environmental commitments for achieving environmental goals.<br>b) Procedures for identifying environmental issues and potential environmental impacts from the ERA.<br>c) Control measures for routine operations to minimise the likelihood of causing environmental harm.<br>d) Contingency plans and emergency procedures for non-routine situations.<br>e) Organisational structure and responsibility.<br>f) Details of staff training.<br>g) Record keeping methods.<br>h) Provisions for continuous improvement and the periodic review of environmental performance. |
| **G2-2** | The activity based management plan must not be implemented or amended in a way that contravenes any condition of this approval. |

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| **G2-3** | **Prevent and/or minimise likelihood of environmental harm**<br>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. |
| **G2-4** | **Maintenance Of Measures, Plant and Equipment**<br>The operator of an ERA to which this approval relates must:<br>a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and<br>b) maintain such measures, plant and equipment in a proper and efficient condition; and<br>c) operate such measures, plant and equipment in a proper and efficient manner. |
| **G2-5** | **Records**<br>Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested. |
| **G2-6** | All records required by this approval must be kept for 5 years. |
| **G2-7** | **Notification**<br>Telephone the EPA's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval. |
| **G2-8** | **Information About Spills**<br>A written notice detailing the following information must be provided to the EPA within 14 days of any advice provided in accordance with condition [G2-7]:<br>a) the name of the operator, including their approval registration number;<br>b) the name and telephone number of a designated contact person;<br>c) quantity and substance released;<br>d) vehicle and registration details;<br>e) person/s involved (driver and any others);<br>f) the location and time of the release;<br>g) the suspected cause of the release;<br>h) a description of the effects of the release;<br>i) the results of any sampling performed in relation to the release,<br>j) actions taken to mitigate any environmental harm caused by the release; and<br>k) proposed actions to prevent a recurrence of the release. |
| **G2-9** | **Equipment Calibration**<br>All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained. |

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| **G2-10** | **Trained and Experienced Operator(s)**<br>The daily operation of the waste water treatment system and pollution control equipment must be carried out by a person(s) with appropriate experience and/or qualifications to ensure the effective operation of that treatment system and control equipment. |
| **G2-11** | **Spill Kit**<br>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. |
| **G2-12** | **Spill Kit Training**<br>Anyone operating under this approval must be trained in the use of the spill kit. |
| **Agency interest: Air** | |
| **Condition number** | **Condition** |
| **A2-1** | **Nuisance**<br>The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any nuisance sensitive or commercial place. |
| **A2-2** | **Dust Nuisance**<br>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. |
| **A2-3** | Dust and particulate matter must not exceed the following levels when measured at any nuisance sensitive or commercial place:<br>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<br>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:<br>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<br>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. |

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|---|---|
| **A2-4** | 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:<br>a) for a complaint alleging dust nuisance, dust deposition; and<br>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. |

| **Agency interest: Land** | |
|---|---|
| **Condition number** | **Condition** |
| **L1-1** | **Preventing Contaminant Release To Land**<br>Contaminants must not be released to land. |

| **Agency interest: Noise** | |
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| **Condition number** | **Condition** |
| **N1-1** | **Noise Nuisance**<br>Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place. |
| **N1-2** | **Noise Monitoring**<br>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:<br>a) $L_{A\ 10,\ adj,\ 10\ mins}$<br>b) $L_{A\ 1,\ adj,\ 10\ mins}$<br>c) the level and frequency of occurrence of impulsive or tonal noise;<br>d) atmospheric conditions including wind speed and direction;<br>e) effects due to extraneous factors such as traffic noise; and<br>f) location, date and time of recording. |
| **N1-3** | The method of measurement and reporting of noise levels must comply with the latest edition of the administering authorities Noise Measurement Manual. |

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| **N1-4** | **Vibration Nuisance**<br>Vibration emitted from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place. |
| **N1-5** | **Vibration Monitoring**<br>When requested by the administering authority, vibration monitoring and recording must be undertaken to investigate any complaint of vibration nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:<br>a) peak particle velocity (mm/s);<br>b) location of the blast/s within the site (including which bench level);<br>c) atmospheric conditions including temperature, relative humidity and wind speed and direction;<br>d) the level and frequency of occurrence of impulsive or tonal noise;<br>e) atmospheric conditions including wind speed and direction;<br>f) effects due to extraneous factors; and<br>g) location, date and time of recording. |
| **Agency interest: Social** | |
| **Condition number** | **Condition** |
| **S1-1** | **Complaint Response**<br>The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request:<br>a) Time, date, name and contact details of the complainant;<br>b) reasons for the complaint;<br>c) any investigations undertaken;<br>d) conclusions formed; and<br>e) any actions taken. |
| **Agency interest: Water** | |
| **Condition number** | **Condition** |
| **WA1-1** | **Release To Waters**<br>Contaminants must not be released from the site to any waters or the bed and banks of any waters. |
| **WA1-2** | **Stormwater management**<br>There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain. |

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| **WA1-3** | Any spillage of waters or contaminants must be cleaned up as quickly as practicable. Spillages must not be cleaned up by hosing, sweeping or otherwise releasing such waters, contaminants or material where these may enter a stormwater drainage system, roadside gutter or waters. |
| **Agency interest: Social** | |
| **Condition number** | **Condition** |
| **WA1-3** | All regulated waste removal from the site must be removed by a person who holds a current approval to transport such waste under the provisions of the *Environmental Protection Act 1994*. |

## Definitions

Words or phrases used throughout this permit are defined below. Where a definition for a term used in this permit is sought and the term is not defined within this permit the definitions provided in the relevant legislation shall be used.

"administering authority" means the Environmental Protection Agency or its successor.

"annual return" means the return required by the annual notice (under section 316 of the *Environment Protection Act 1994*) for the section 73F registration certificate that applies to the development approval.

"authority" means level 1 licence (without development approval), or level 1 approval (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994*.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*.

"artificial waterway" means an artificial channel, lake or other body of water. Artificial waterway includes-

a) an artificial channel that is formed because the land has been reclaimed from tidal water and is intended to allow boating access to allotments on subdivided land;
b) other artificial channels subject to the ebb and flow of the tide; and
c) any additions or alterations to an artificial waterway.

"authorised place" means the place authorised under this development approval for the carrying out of the specified environmentally relevant activities.

"commercial place" means a place used as an office or for business or commercial purposes.

"dwelling" means any of the following structures or vehicles that is principally used as a residence

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

"Environmental Protection Agency" means the department or agency (whatever called) administering the *Coastal Protection and Management Act 1995* or the *Environmental Protection Act 1994*.

"intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –

a) is clearly audible to, or can be felt by, an individual; and
b) annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2- 1997 Acoustics- Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

"$L_{A\ 10,\ adj,\ 10\ mins}$" 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.

"$L_{A\ 1,\ adj,\ 10\ mins}$" 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.

"$L_{A,\ max\ adj,\ t}$" 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.

"noxious" means harmful or injurious to health or physical wellbeing.

"dust sensitive place" includes

a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
b) a motel, hotel or hostel; or
c) a kindergarten, school, university or other educational institution; or a medical centre or hospital; or
d) a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or

e) a public thoroughfare, park or gardens; or
f) 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.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"regulated waste" means non-domestic waste mentioned in the *Environmental Protection Regulation, 2008* (whether or not it has been treated or immobilised), and includes - for an element - any chemical compound containing the element; and anything that has contained the waste.

"site" means land or tidal waters on or in which it is proposed to carry out the development approved under this development approval.

"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.

"mglL" means milligrams per litre.

"works" or "operation" means the development approved under this development approval.

"you" means the holder of this development approval or owner occupier of the land which is the subject of this development approval.

**END OF PERMIT**