Permit

Environmental Protection Act 1994

Environmental authority EPPR02145714

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

Environmental authority number: EPPR02145714

Environmental authority takes effect on signing by the delegate.

The anniversary date of this environmental authority remains as 5 June. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder

Name	Registered address
Logan City Council	Administration Centre 150 Wembley Road LOGAN CENTRAL QLD 4114

Environmentally relevant activity and location details

Environmentally relevant activity	Location
16-(2a) Extractive >5000t but <100000t yr	Quinzeh Creek Road, CEDAR CREEK - Lot 48 on Plan WD2901
16-(2a) Extractive >5000t but <100000t yr	Groves Quarry, 90 Latimer Road, Logan Village – Lot 18 on Plan RP199782 Plunkett Quarry, Plunkett Road, TAMBORINE – Lot 49 on Plan W31919

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.

ABN 46 640 294 485

Queensland Government

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- one 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.

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.

CMooney	7/6/18
Signature	Date

Chris Mooney
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Department of Environment and Science
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
Email: palm@des.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)

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 Natural Resources and Mines (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

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. Please contact the Department of Environment and Heritage Protection to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

PART 1 – Site specific conditions

Environmentally relevant activity	Location
16-(2a) Extractive >5000t but <100000t yr	Quinzeh Creek Road, CEDAR CREEK - Lot 48 on Plan WD2901

Conditions of environmental authority

The environmentally relevant activity conducted at the location described above in **PART 1** must be conducted in accordance with the following conditions of approval.

Agency interest: General	
Condition number	**Condition**
G1-1	The suitable operator of this environmental authority must: (i) install all plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and (ii) maintain all plant and equipment in a proper and efficient condition; and (iii) operate all plant and equipment in a proper and efficient manner. In this condition, "plant and equipment" includes: (i) any plant and equipment used to prevent and/or minimise the likelihood of environmental harm being caused; (ii) any devices and structures to contain foreseeable escapes of contaminants and waste; (iii) any vehicles used to transport waste; (iv) any device or structure used to store, handle, treat or dispose of waste; (v) any monitoring equipment and associated alarms; and (vi) any backup systems that act in the event of failure of a primary system.
G1-2	A copy of all parts of this environmental authority relevant to the carrying out the environmentally relevant activities must be kept in a location readily accessible to the personnel that are carrying out those environmentally relevant activities.
G1-3	Any records or documents that are required to be kept by a condition of this environmental authority must be kept where practicable to do so at the approved place at that the activities are carried out and at the Logan City Council Chambers for, except as otherwise provided, a period of at least five (5) years and be available for examination by an authorised person. The record retention requirements of this 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.
G1-4	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 development approval. An example of a substantial increase in the risk of environmental harm is an increase of ten per cent (10%) or more in the quantity of the contaminant to be released into the environment.
G1-5	All instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.
G1-6	By the first annual return, the suitable operator of this environmental authority must update and implement the Integrated Environmental Management System (IEMS) submitted with the application for environmental authority and ensure that the implemented IEMS provides for the effective and appropriate management by the suitable operator of this environmental authority of the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activities.

G1-7	The Integrated Environmental Management System must provide for at least the following functions: (i) The monitoring of releases of contaminants into the environment, for example measurement of the quantities and concentrations of releases of contaminants to the environment as required under this environmental authority; (ii) The assessment of the environmental impacts of any releases of contaminants into the environment, for example any ambient environmental quality monitoring, noise monitoring or complaints monitoring required under this environmental authority; and (iii) The training of all relevant staff, agents and contractors ("staff") to competent levels in at least the following: (a) The environmental policy of the suitable operator of this environmental authority so that staff are aware of any relevant commitments to environmental management; and (b) Any relevant environmental objectives and targets so that all staff are aware of the relevant performance objectives and can work towards these; and (c) Control procedures for routine operations for day to day operational activities to prevent or minimise environmental harm, however occasioned or caused; and (d) Contingency plans and emergency procedures for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and (e) Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and (f) Effective communication to ensure two-way communication on environmental matters between operational staff and management, as well as communications with the administering authority; and (g) Documentation systems so that appropriate records of environmental matters are kept to satisfy the suitable operator of this environmental authority, the administering authority, and the community that the applicant is meeting environmental commitments; and (h) Responsibilities of the suitable operator of this environmental authority and staff under the *Environmental Protection Act 1994* so that these can be met. (iv) The conduct of environmental and energy audits to review periodically: (a) the level of environmental performance; and (b) the effectiveness of environmental management procedures adopted; and (c) efficiency in using energy and resources and opportunities for more efficient usage. (v) The implementation of effective and appropriate practices and procedures for waste prevention, treatment and disposal (including implementation of any waste management plans or waste audits required for particular sites and/or activities under specific conditions of this environmental authority).

G1-8	The conduct of environmental and energy audits required by environmental authority Condition **G1-7 (iv)** must be carried out as often as necessary but not less frequently than the frequency specified below: (i) the level of environmental performance: annually; (ii) the effectiveness of environmental management procedures adopted: once every two (2) years; (iii) efficiency in using energy and resources and opportunities for more efficient usage: within two (2) years of the granting of this environmental authority and then not less than once every five (5) years.
G1-9	The suitable operator of this environmental authority must prepare a report summarising the outcomes of the environmental and energy audits required by environmental authority condition **G1-7 (iv)** and submit the report with the Annual Return that follows the conduct of the audits.
G1-10	The IEMS must provide for the development and implementation of any issue/site-specific environmental management plans required to be developed and implemented under the conditions of this environmental authority.
G1-11	An up to date copy of the Integrated Environmental Management System must be kept at the Logan City Council Chambers and, where practicable to do so, at the approved place at that the activities are carried out.
G1-12	The suitable operator of this environmental authority must not implement an Integrated Environmental Management System or amend the Integrated Environmental Management System where such implementation or amendment would result in a contravention of any condition of this environmental authority.
G1-13	The suitable operator of this environmental authority must submit details of any amendment to the **Integrated** Environmental Management System **annually** to the administering authority with the Annual Return that immediately follows the enactment of any such amendment.
G1-14	The suitable operator of this environmental authority must rehabilitate the approved place in a manner such that: (i) suitable native species of vegetation are planted and established; (ii) potential for erosion of the site is minimised; (iii) the quality of stormwater released from the site is such that releases of suspended solids, turbidity and total dissolved salts are not likely to cause environmental harm; (iv) the likelihood of environmental nuisance being caused by release of dust is minimised; and (v) the final landform is stable and not subject to slumping.
G1-15	Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced within the approved place.

G1-16	For the purpose of demonstrating compliance with conditions **G1-14** and **G1-15**, by the first annual return, the suitable operator of this environmental authority must: (a) prepare and progressively implement a Site Rehabilitation Plan addressing the following matters: (i) the proposed shaping of the final landform after rehabilitation including an assessment of the stability of all works such as buffer distances and batter slopes; (ii) proposed nature of materials utilised and techniques employed for any proposed backfilling of extracted areas such as filling, compaction, topsoiling, dewatering, overburden return and any other soil amelioration leading to vegetation establishment; (iii) rehabilitation measures such as irrigation, weed control, use of local native plant/seedling selections, site security and any other remedial works during the rehabilitation works; (iv) protection of the final landform and newly established vegetation and seedlings from erosion susceptibility; (v) prevention of the release of contaminated stormwater runoff from raw material stockpiles and disturbed areas to the bed or banks of waters, including any treatment of stormwater runoff required to achieve this objective; (vi) an implementation program and timetable for all works proposed, (vii) keeping of appropriate records of rehabilitation measures implemented including taking of photographs demonstrative of rehabilitation achieved and the submission of an annual rehabilitation progress report to the administering authority with each annual return detailing the outcomes of the rehabilitation program in the preceding twelve (12) months.
G1-17	A copy of the annual rehabilitation progress report required to be produced under the Site Rehabilitation Program that describes rehabilitation outcomes in the twelve (12) month period preceding submission of the annual return must be submitted to the administering authority with that annual return.
G1-18	All complaints received by the suitable operator of this environmental authority relating to releases of contaminants from operations at the approved place must be recorded and kept with the following details: (i) time, date and nature of complaint; (ii) type of communication (telephone, letter, personal etc.); (iii) 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); (iv) response and investigation undertaken as a result of the complaint; (v) name of person responsible for investigating complaint; and (vi) action taken as a result of the complaint investigation and signature of responsible person.
G1-19	As soon as practicable after becoming aware of any emergency or incident that results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the suitable operator of this environmental authority must notify the administering authority of the release by telephone or facsimile.

G1-20	The notification of emergencies or incidents as required by condition G1-19 must include but not be limited to the following: (i) The suitable operator of the environmental authority; (ii) the location of the emergency or incident; (iii) the number of the environmental authority; (iv) the name and telephone number of the designated contact person; (v) the time of the release; (vi) the time the suitable operator of the environmental authority environmental authority became aware of the release; (vii) the suspected cause of the release; (viii) the environmental harm caused, threatened, or suspected to be caused by the release; and (ix) actions taken to prevent further any release and mitigate any environmental harm caused by the release.
G1-21	Not more than fourteen (14) days following the initial notification of an emergency or incident, the suitable operator of the environmental authority environmental authority must provide written advice of the information supplied in accordance with condition G1-20 in addition to: (i) proposed actions to prevent a recurrence of the emergency or incident; and (ii) outcomes of actions taken at the time to prevent or minimise environmental harm.
G1-22	As soon as practicable, but not more than six (6) weeks following the conduct of any environmental monitoring performed in relation to the emergency or incident, that results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the suitable operator of the environmental authority must provide written advice of the results of any such monitoring performed to the administering authority.
G1-23	Exception Reporting The suitable operator of this environmental authority must notify the administering authority in writing of any monitoring result that indicates an exceedance of or non-compliance with any environmental authority limit within twenty eight (28) days of completion of analysis.
G1-24	The written notification required by condition number **G1-23** above must include: (i) The full analysis results, and (ii) Details of investigation or corrective actions taken, and (iii) Any subsequent analysis.
G1-25	Noise Monitoring For the purposes of checking compliance with condition **N1-1**, monitoring and recording of the noise levels from the activity/activities must be undertaken for the following descriptors, characteristics and conditions: (i) LAmax, adj T; (ii) LAbg, T or LA90, T; (iii) LAN, T (where N equals statistical levels of 5, 10, 50, 90 and 95); (iv) LpA T; (v) LAeq, T; (vi) the level and frequency of occurrence of impulsive or tonal noise; (vii) atmospheric conditions including temperature, relative humidity and wind speed and direction; and (viii) effects due to extraneous factors such as traffic noise.
G1-26	In conjunction with the measurement and recording of noise, the following parameters and conditions must be recorded: (i) location, date and time of recording.
G1-27	Monitoring must also be undertaken to investigate any complaint of intrusive noise upon receipt of a written request from the administering authority to carry out such monitoring.

G1-28	The method of measurement and reporting of noise levels must comply with the Department of Environment and Heritage Noise Measurement Manual, second edition, March 1995, or more recent editions or supplements to that document as become available.
G1-29	The measurement and reporting of noise levels must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required measurements.
G1-30	A record must be maintained of at least the following events: (i) the time, date and duration of equipment malfunctions where the failure of the equipment resulted in the release of contaminants reasonably likely to cause environmental harm; (ii) any uncontrolled release of contaminants reasonably likely to cause environmental harm and (iii) any emergency involving the release of contaminants reasonably likely to cause material or serious environmental harm requiring the use of fire fighting equipment.
G1-31	The suitable operator of this environmental authority environmental authority must ensure that the results of any monitoring performed in accordance with this environmental authority environmental authority for the period covered by the return are submitted with the Annual Return.
Agency interest: Air	
Condition number	**Condition**
A1-1	Dust or particulate matter that will have or is likely to have an unreasonable adverse effect on people living in or using the surrounding area must not emanate beyond the boundaries of the approved place.
A1-2	All earthen material stockpiles must be maintained to minimise wind-blown emissions to the atmosphere from these sources.
A1-3	The suitable operator of this environmental authority must take all reasonable and practicable measures necessary to prevent spillage and/or loss of particulate matter and windblown dust from trucks used for transporting aggregates from the approved place. Reasonable and practicable measures may include but are not limited to: (i) wetting down the load prior to transport; (ii) having the entire load covered with a tarpaulin or similar material for the duration of transport; and (iii) clearing of spillage from side rails, tail gates and draw bars of trucks prior to departure from the approved place and prior to departure from the premises to which the load has been delivered.
A1-4	Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.

Agency interest: Water	
Condition number	**Condition**
WT1-1	Contaminants must not be directly or indirectly released from any approved place to any waters or the bed and banks of any waters except: (i) as permitted under any water schedule in this environmental authority; or (ii) as permitted under any stormwater schedule; or (iii) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
WT1-2	Except as otherwise provided by the conditions of this environmental authority, the environmentally relevant activity must be carried out by such reasonable and practicable means necessary to prevent and/or minimise the release or likelihood of release of contaminated runoff from the approved place to any stormwater drain or waters or the bed or banks of any such waters. "Contaminated runoff" for the purposes of this condition means stormwater and/or stormwater runoff that contains contaminants that may cause environmental harm.
WT1-3	The maintenance and cleaning of any vehicles, other equipment or plant must be carried out in areas where contaminants cannot be released into any waters, roadside gutter or stormwater drain.
WT1-4	Any spillage of waste, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such waste, contaminants or material to any stormwater drainage system, roadside gutter or waters.
WT1-5	By the first annual return the suitable operator of this environmental authority must, in the implementation of the Integrated Environmental Management System (IEMS), effectively address at least the following matters: (i) installation of stormwater diversion systems, where required, and (ii) staging works to minimise the amount of soil exposed or disturbed, and (iii) revegetation of exposed or disturbed areas, and (iv) installation of sediment control measures such as settling basins.
WT1-6	Effective erosion and sediment controls must be provided and maintained during site clearing and carrying out of the environmentally relevant activities. Such measures must include diversion drainage works and sedimentation ponds.
WT1-7	The suitable operator of this environmental authority must ensure that all sediment control ponds at the specified approved place, must have storage capacities which allow the collection of stormwater runoff from catchment areas served by the ponds as a result of, at least, a sixty (60) minute duration, one (1) in two (2) year storm event. The storage capacities must be determined on the basis of information obtained from Bureau of Meteorology from a weather station which is representative for the area where the approved place is situated.
WT1-8	Diversion drains, appropriate grades or equivalent must be installed to ensure surface waters from disturbed areas, including operational or trafficable areas, are diverted to the sediment control system.

WT1-9	All runoff from the stockpile(s) and the areas utilised for the operation of the stockpile(s) must be directed to the sedimentation pond(s).
WT1-10	Drainage through and from all trafficable areas and production activities must be designed to minimise surface flow velocities.
WT1-11	Erosion control and sediment control structures must be maintained at all times the environmentally relevant activities are carried out and until all remaining disturbed areas are rehabilitated, and must be checked and repaired or replaced as required after each rain event.

Agency interest: Noise

Condition number	**Condition**
N1-1	In the event of a complaint about noise that constitutes intrusive noise being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from the approved place must not result in levels greater than those specified in Table 1.

TABLE 1

NOISE LIMITS AT A NOISE SENSITIVE PLACE	
Period	*Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level* $L_{Amax\ adj,\ T}$
7 am - 6 pm	Background noise level plus 5 dB(A)
6 pm - 10 pm	Background noise level plus 5 dB(A)
10 pm - 7 am	Background noise level plus 3 dB(A)
NOISE LIMITS AT A COMMERCIAL PLACE	
Period	*Noise Level at a Commercial Place measured as the Adjusted Maximum Sound Pressure Level* $L_{Amax\ adj,\ T}$
7 am - 6 pm	Background noise level plus 10 dB(A)
6 pm - 10 pm	Background noise level plus 10 dB(A)
10 pm - 7 am	Background noise level plus 8 dB(A)

Agency interest: Waste

Condition number	**Condition**
W1-1	Except as otherwise provided by the conditions of this environmental authority, the suitable operator of this environmental authority must not: (i) allow waste to burn or be burnt at or on the approved place; nor (ii) remove waste from the approved place and burn such waste elsewhere.

W1-2	Where regulated waste is removed from any approved place (other than by a release as Permitted under another schedule of this environmental authority), the suitable operator of this environmental authority must monitor and keep records of the following: (i) the date, quantity and type of waste removed; and (ii) name of the waste transporter and/or disposal operator that removed the waste; and (iii) the intended treatment/disposal destination of the waste. (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.)
W1-3	Regulated waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.
W1-4	If the suitable operator of this environmental authority becomes aware that a person has removed regulated waste from the approved place (or approved vehicles) and disposed of the regulated waste in a manner that is not authorised by this environmental authority or is improper or unlawful, then the suitable operator of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.
W1-5	The suitable operator of this environmental authority must ensure that all access gates or routes are capable of preventing unauthorised vehicular access when the approved activity is unattended.

PART 2 – Site Specific Conditions

Environmentally relevant activity	**Locations**
16-(2a) Extractive >5000t but <100000t yr	Groves Quarry, 90 Latimer Road, Logan Village – Lot 18 on Plan RP199782 Plunkett Quarry, Plunkett Road, TAMBORINE – Lot 49 on Plan W31919

Conditions of environmental authority

The environmentally relevant activity conducted at the locations described above in **PART 2** must be conducted in accordance with the following conditions of approval.

Agency interest: General	
Condition number	**Condition**
G2-1	**Activities** under this environmental authority must be conducted in accordance with the following limitations: 1. No extracting of materials is to occur at the Groves Quarry location (lot 18 plan RP199782). 2. No extracting of materials is to occur at the Plunkett Quarry location (lot 49 plan W31919).

G2-2	Any records or documents that are required to be kept by a condition of this environmental authority must be kept where practicable to do so at the approved places at that the activities are carried out and at the Logan City Council Chambers for, except as otherwise provided, a period of at least five (5) years and be available for examination by an authorised person. The record retention requirements of this 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.
G2-3	The suitable operator of this environmental authority must rehabilitate the approved places in a manner such that: (i) suitable native species of vegetation are planted and established; (ii) potential for erosion of the site is minimised; (iii) the quality of stormwater released from the site is such that releases of suspended solids, turbidity and total dissolved salts are not likely to cause environmental harm; (iv) the likelihood of environmental nuisance being caused by release of dust is minimised; and (v) the final landform is stable and not subject to slumping.
G2-4	Rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced within the approved places.
G2-5	For the purpose of demonstrating compliance with conditions **G2-3** and **G2-4**, by the first annual return, the suitable operator of this environmental authority must: (a) prepare and progressively implement a Site Rehabilitation Plan addressing the following matters: (i) the proposed shaping of the final landform after rehabilitation including an assessment of the stability of all works such as buffer distances and batter slopes; (ii) proposed nature of materials utilised and techniques employed for any proposed backfilling of extracted areas such as filling, compaction, topsoiling, dewatering, overburden return and any other soil amelioration leading to vegetation establishment; (iii) rehabilitation measures such as irrigation, weed control, use of local native plant/seedling selections, site security and any other remedial works during the rehabilitation works; (iv) protection of the final landform and newly established vegetation and seedlings from erosion susceptibility; (v) prevention of the release of contaminated stormwater runoff from raw material stockpiles and disturbed areas to the bed or banks of waters, including any treatment of stormwater runoff required to achieve this objective; (vi) an implementation program and timetable for all works proposed, (vii) keeping of appropriate records of rehabilitation measures implemented including taking of photographs demonstrative of rehabilitation achieved and the submission of an annual rehabilitation progress report to the administering authority with each annual return detailing the outcomes of the rehabilitation program in the preceding twelve (12) months.
G2-6	A copy of the annual rehabilitation progress report required to be produced under the Site Rehabilitation Program that describes rehabilitation outcomes in the twelve (12) month period preceding submission of the annual return must be submitted to the administering authority with that annual return.

G2-7	The suitable operator of this environmental authority environmental authority must ensure that the results of any monitoring performed in accordance with this environmental authority environmental authority for the period covered by the return are submitted with the Annual Return.
Agency interest: Air	
Condition number	**Condition**
A2-1	Dust or particulate matter that will have or is likely to have an unreasonable adverse effect on people living in or using the surrounding area must not emanate beyond the boundaries of the approved places.
A2-2	All earthen material stockpiles must be maintained to minimise wind-blown emissions to the atmosphere from these sources.
A2-3	The suitable operator of this environmental authority must take all reasonable and practicable measures necessary to prevent spillage and/or loss of particulate matter and windblown dust from trucks used for transporting aggregates from the approved places. Reasonable and practicable measures may include but are not limited to: (i) wetting down the load prior to transport; (ii) having the entire load covered with a tarpaulin or similar material for the duration of transport; and (iii) clearing of spillage from side rails, tail gates and draw bars of trucks prior to departure from the approved places and prior to departure from the premises to which the load has been delivered.
A2-4	Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.
Agency interest: Water	
Condition number	**Condition**
WT2-1	Contaminants must not be directly or indirectly released from any approved place to any waters or the bed and banks of any waters except: (i) as permitted under any water schedule in this environmental authority; or (ii) as permitted under any stormwater schedule; or (iii) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
WT2-2	Except as otherwise provided by the conditions of this environmental authority, the environmentally relevant activity must be carried out by such reasonable and practicable means necessary to prevent and/or minimise the release or likelihood of release of contaminated runoff from the approved places to any stormwater drain or waters or the bed or banks of any such waters. "Contaminated runoff" for the purposes of this condition means stormwater and/or stormwater runoff that contains contaminants that may cause environmental harm.
WT2-3	All runoff from the stockpile(s) and the areas utilised for the operation of the stockpile(s) must be directed to the sedimentation pond(s).
WT2-4	Erosion control and sediment control structures must be maintained at all times the environmentally relevant activities are carried out and until all remaining disturbed areas are rehabilitated, and must be checked and repaired or replaced as required after each rain event.

DEFINITIONS

For the purposes of this environmental authority any term not otherwise defined in the Act and any subordinate legislation made pursuant to the Act or in the Definitions of this environmental authority environmental authority has the meaning conferred to that term in its common usage.

In the event of any inconsistency arising between the meaning of any term provided in the Definitions of this environmental authority and any common usage of that term, the meaning conferred in the Definitions of this environmental authority environmental authority prevails.

For the purposes of this environmental authority the following definitions apply:

Act means the *Environmental Protection Act 1994.*

administering authority means the Department of Environment and Science.

approved place means the place to which this environmental authority relates.

background noise level means either:

$L_{A90,\ T}$ being the A-weighted sound pressure level exceeded for ninety percent (90%) of the time period not less than fifteen (15) minutes, using Fast response, or
$L_{Abg,\ T}$ being the arithmetic average of the minimum readings measured in the absence of the noise under investigation during a representative time period of not less than fifteen (15) minutes, using Fast response.

$L_{Amax\ adj,\ T}$ means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than fifteen (15) minutes, using Fast response.

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

dwelling as mentioned in Schedule 5 of the *Environmental Protection (Noise) Policy 1997* 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 watercraft in a marina.

intrusive noise as mentioned in Schedule 5 of the *Environmental Protection (Noise) Policy* 1997 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 had to Australian Standard 1055.2 - 1989 Acoustics - Description and Measurement of Environmental Noise Part 2 Application to specific situations.

land means land excluding waters and the atmosphere.

Max$L_{pA\ T}$ means the maximum A-weighted sound pressure level measured over a time period of not less than fifteen (15) minutes, using Fast response.

noise sensitive place as mentioned in Schedule 5 of the *Environmental Protection (Noise) Policy 1997* means any of the following places:

(a) a dwelling;
(b) a library, childcare center, kindergarten, school, college, university or other educational institution;
(c) a hospital, surgery or other medical institution;
(d) a protected area, or an area identified under a conversation plan as a critical habitat or an area of major interest, under the *Nature Conservation Act 1992;*
(e) a marine park under the *Marine Parks Act 2004;*
(f) a park or garden that is open to the public (whether or not on payment of money) for use other than for sport or organised entertainment.

waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial water course, bed and bank of any waters, dams, non tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater runoff and any underground water, any part thereof.

END OF ENVIRONMENTAL AUTHORITY