

Registration certificate

Environmental Protection Act 1994

Certificate of Registration

No: ENRE00751208

This registration certificate is issued by the administering authority and takes effect from: 29-JUN-2009.

The anniversary day for the purposes of the Annual Return remains: 28 July.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activities listed below at the following place; subject to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-

Mr Victor John Andrew
E. Summervilles Road
BORALLON QLD 4306

Place:-

Lot 2 Plan RP808084, Lot Part A Lot 2 Plan SL1654

Located at:-

E. Summervilles Road, BORALLON QLD 4306

Registered Activities:-

ERA 16 Extractive and screening activities Threshold 1(c) - dredging, in a year, more than 100000t to 1000000t of material

ERA 16 Extractive and screening activities Threshold 3(b) - screening, in a year, more than 100000t to 1000000t of material

ERA 43 Concrete batching - producing 200t or more of concrete or concrete products in a year, by mixing cement with sand, rock, aggregate or other similar materials



John Rice
Delegate of the Chief Executive
Department of Environment and Resource Management
24-MAY-2010

Development Permit

EPA Permit¹ number:	IPDE00893008
Application (Converted Development Approval) No.	SR0589
Relevant Laws and Policies:	<i>Environmental Protection Act 1994</i> and any subordinate legislation

Development Description

Property/Location

Lot 2 Plan RP808084, County of Stanley, Parish of Sahl.
Part A Lot 2 Plan SL1654 County of Stanley, Parish of Sahl.

Located at: E. Summervilles Road
BORALLON QLD 4306

Carrying out of Environmentally Relevant Activity (ERA)

19(c) - Dredging material - Dredging material from the bed of any waters (other than dredging by a port authority of material for which a royalty or similar charge is not payable) using plant or equipment having a design capacity of 100 000 t or more per year

22(c) - Screening etc. materials - Screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining authority) or by dredging using plant or equipment having a design capacity of 100 000 t or more per year

62 - Concrete batching - Producing concrete or a concrete product by mixing cement, sand, rock, aggregate or other similar materials in works (including mobile works) having a design production capacity of more than 100 t per year

Additional Information for Applicants

This approval pursuant to the *Environmental Protection Act 1994* does not remove the need to obtain any further approval for this development which might be required by other State and / or Commonwealth Legislation. Applicants are advised to check with all relevant statutory authorities. Applicants also should comply with all relevant legislation.

It is a requirement of the *Environmental Protection Act 1994* that if the owner or occupier of this site becomes aware a notifiable activity (as defined under schedule 2 of the *Environmental Protection Act 1994*) is being carried out on this land or that the land has been affected by a hazardous contaminant, they must, within thirty (30) days after becoming so aware, give notice to the Environmental Protection Agency.

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Environmentally Relevant Activities

The aforementioned description of any environmentally relevant activity (ERA) for which this permit is issued is simply a restatement of the ERA as prescribed in the legislation at the time of issuing this permit. Where there is any conflict between the abovementioned description of the ERA for which this permit is issued and the conditions specified herein as to the scale, intensity or manner of carrying out of the ERA, then such conditions prevail to the extent of the inconsistency.

This permit authorises the ERA. It does not authorise environmental harm unless a condition within this permit explicitly authorises that harm. Where there is no such condition, or the permit is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

In addition to this permit, the person to carry out the ERA must be a registered operator under the *Environmental Protection Act 1994*. For the person to become a registered operator, they must apply for a registration certificate under section 73F of the *Environmental Protection Act 1994*.



Delegate of Administering Authority
Environmental Protection Act 1994

Date: 13/8/2008

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Conditions of the Development Approval

This development approval consists of the following schedules of conditions relevant to various issues:

The aforementioned description of the environmentally relevant activity (ERA) for which this development approval is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing the approval. Where there is any conflict between the above description of the ERA for which this development approval is issued and the conditions as specified in this development approval as to the scale, intensity or manner of carrying out of the ERA, then such conditions prevail to the extent of the inconsistency.

This development approval consists of the following schedules-

Schedule A - General Conditions

Schedule B - Air

Schedule C - Water

Schedule D - Stormwater Management

Schedule E - Land Application

Schedule F - Noise

Schedule G - Waste Management

Schedule H - Monitoring and Reporting

Schedule I - Definitions

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www.epa.qld.gov.au ABN 87 221 158 786



SCHEDULE A - GENERAL CONDITIONS

Maintenance of Plant and Equipment

(A1) The registered operator of this development approval must:

- (i) install all plant and equipment necessary to ensure compliance with the conditions; and
- (ii) maintain such plant and equipment in a proper and efficient condition; and
- (iii) operate such plant and equipment in a proper and efficient manner.

In this condition, "plant and equipment" includes:

- (i) plant and equipment used to prevent and/or minimise the likelihood of environmental harm being caused;
- (ii) devices and structures to contain foreseeable escapes of contaminants and waste;
- (iii) devices and structures used to store, handle, treat and dispose of waste; and
- (iv) monitoring equipment and associated alarms.

Display of Development Approval

(A2) A copy of this development approval must be kept in a location readily accessible to personnel carrying out the activity.

Records

(A3) Any record or document required to be kept by a condition of this development approval must be kept at the approved place for 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.

Alterations

(A4) 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 percent (10%) or more in the quantity of the contaminant to be released into the environment

Calibration

(A5) All instruments and devices used for the measurement or monitoring of any parameter under any condition of this development approval must be calibrated, and appropriately operated and maintained.

Site Rehabilitation Program

(A6) The registered operator of this development approval must prepare a Site Rehabilitation Program addressing the following matters:

- (i) the final land use of the site;
- (ii) the allowance for the maintenance of an adequate buffer distance between the Brisbane River and any lakes or ponds and measures to protect the Brisbane River against erosion susceptibility;
- (iii) 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;

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- (iv) 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;
- (v) prevention or minimisation of windblown dust from stockpiles, remnant raw material stockpiles and rehabilitation earthworks;
- (vi) prevention or treatment of the release of contaminated stormwater runoff from raw material stockpiles and disturbed areas to the bed or banks of the Brisbane River;
- (vii) assessment of the likely impact on the water quality in the Brisbane River and in any proposed lakes whether off-stream or on-stream from rehabilitation works. Matters to be assessed include:

- likely uses and environmental values of the waters (including any lakes or ponds);
- applicable water quality criteria to protect these values;
- monitoring of water quality to confirm that water quality criteria are met; and
- proposed remedial measures if water quality objectives are not met,

- (viii) an implementation program and timetable for all works proposed.

(A7) The registered operator of this development approval must:

- (a) lodge the Site Rehabilitation Program with the administering authority for review and comment by 1 July 1998;
- (b) have due regard to that comment in the finalisation of the Site Rehabilitation Program; and
- (c) implement the Site Rehabilitation Program.

Integrated Environmental Management System (IEMS)

- (A8) The registered operator of this development approval 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 development approval.
- (A9) A copy of the Integrated Environmental Management System must be kept at the approved place.
- (A10) The registered operator of this development approval must submit details of any amendment to the Integrated Environmental Management System to the administering authority with the annual return which immediately follows the enactment of any such amendment.

Dredging

- (A11) Extraction must only be carried out in the area identified in Figure 1.1 entitled "Proposed Layout of Extraction" submitted in support of the application for a development Approval.
- (A12) A ten metre wide buffer must be provided between the toe of the batter and any excavation as shown on Figure 2.7 entitled "Method of Extraction" submitted in support of the application for a development Approval.

Compliance with Local and State Government Requirements

- (A13) The registered operator of this development approval must comply with any applicable lawful local and state government plans, permits, standards, agreements and requirements.

End of Conditions for Schedule A

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SCHEDULE B - AIR**Dust and Particulate Emissions**

- (B1) Dust or particulate matter that will have or is likely to have an adverse effect on people living in or using the surrounding area shall not be permitted to emanate beyond the boundaries of the approved place.

Dust Control - Stockpiles

- (B2) Stockpiles must be maintained using all reasonable and practicable measures necessary to minimise the release of wind blown dust and particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to:
- use of waterspray as required during winds likely to generate such releases;
 - use of dust-suppressant shielding; and
 - storage in bunkers.

Dust Control - Trafficable Areas

- (B3) Trafficable areas must be maintained using all reasonable and practicable measures necessary to minimise the release of wind blown dust and traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to:
- keeping surfaces clean;
 - using water sprays;
 - adopting and adhering to speed limits; and
 - using dust suppressants and wind breaks.

Dust Control - Raw Material Preparation Plants

- (B4) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures necessary to minimise the release of wind blown dust to the atmosphere. Reasonable and practicable measures may include but are not limited to:
- transfer of materials in a moist state;
 - enclosure or shielding of conveyors;
 - use of water sprays at transfer points; and
 - use of shielding and wind breaks.

Dust Control - Aggregate Transport Trucks

- (B5) The registered operator of this development approval 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:
- wetting down the load prior to transport;
 - having the entire load covered with a tarpaulin or similar material for the duration of transport; and
 - 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.

Concrete Batching and Silos

- (B6) An effective fabric filter dust collector is to be in operation on the exhaust from the cement silo.

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- (B7) The fabric filter dust collector must be inspected weekly for the integrity of the filter and replaced or cleaned as necessary.
- (B8) The filling of all silos must be controlled by automatic devices which prevent silos from being filled beyond their nominal capacity.
- (B9) Water sprays at the truck loading point must be operated during the loading operation.

Erosion Control - Disturbed Areas

- (B10) Rehabilitation must be carried out in such a manner so as to minimise releases of wind-blown dust and the likelihood of erosion occurring.

End of Conditions for Schedule B

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SCHEDULE C - WATER**Release of Contaminants to Waters**

- (C1) In carrying out the environmentally relevant activity, contaminants that will or may cause environmental harm must not be directly or indirectly released to any waters or the bed or banks of such waters other than:
- (i) river bed sediments necessarily disturbed during dredging; and
 - (ii) drainage water from stockpiles at the dredging site.

Quality Characteristics of Contaminants Released to Waters during Dredging

- (C2) The release of contaminants from carrying out the dredging activity in the Brisbane River, must not at any down-current point, cause any quality characteristic to exceed the corresponding limit for the quality characteristic specified in schedule C - table 1.

Schedule C - Table 1

QUALITY CHARACTERISTIC	LIMIT AT ANY DOWN-CURRENT POINT
Suspended Solids (mg/L)	Must not exceed 10 mg/L above a background value where the background value is less than 100 mg/L or ten percent (10%) greater than a background value where the background value is greater than 100 mg/L.
Turbidity (NTU)	Must not exceed 2 NTU above a background value where the background value is less than 20 NTU or ten percent (10%) greater than a background value where the background value is greater than 20 NTU.
pH	Must not be less than 6.5 or greater than 9.0.

Provided that for the purposes of this condition:

A background value for a quality characteristic is the value of the quality characteristic measured at a background sampling point in the receiving waters situated between 50 and 100 metres up-current from the release point(s).

A down-current sampling point is any sampling point, in the receiving waters situated not more than 100 metres from the dredge pit in the down-current direction.

- (C3) Notwithstanding the requirements specified in condition C2, any release of contaminants to waters must comply with the following qualitative characteristics:
- (i) the release must not have any other properties nor contain any organisms or other contaminants which are capable of causing environmental harm; and
 - (ii) the release must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectionable matter.

Release of Petroleum Products

- (C4) There must be no release of petroleum products from equipment used in the Brisbane River dredging operations to any waters.

End of Conditions for Schedule C

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SCHEDULE D - STORMWATER MANAGEMENT

Release of Contaminated Stormwater Runoff

- (D1) Except as otherwise provided by the conditions of the stormwater management schedule and the water schedule of this development approval, the environmentally relevant activity must be carried out by such 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.

General

- (D2) The maintenance and cleaning of vehicles and any other equipment or plant must be carried out in areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.
- (D3) Any spillage of wastes, contaminants or other materials capable of causing environmental harm or nuisance must be cleaned up as quickly as practicable. Such spillage must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.

Bunding

- (D4) All above ground liquid fuel storage tanks must be banded so as to effectively contain a volume equivalent to at least that of one hundred percent (100%) of the largest storage tank plus ten percent (10%) of the second largest tank within the bund.
- (D5) All liquid chemical storage drums must be banded so as to effectively contain a volume equivalent to at least twenty-five percent (25%) of the maximum design storage volume within the bund.
- (D6) All bunding must be constructed of materials which are impervious to the materials stored.
- (D7) All banded areas must be roofed where practicable.
- (D8) Where it is impractical to completely roof a banded area the registered operator of this development approval must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to any release.
- (D9) All empty drums must be stored on a concrete hardstand area or similar impervious material with their closures in place.

Pond Conditions

- (D10) All contaminated stormwater runoff from the processing plant and stockpile areas at the concrete batching site must be collected and treated in a sedimentation pond.
- (D11) Sediment collected in the sedimentation pond and/or silt traps must be removed as necessary to maintain proper and effective operation of the sedimentation pond and/or silt traps.
- (D12) All ponds used for the storage or treatment of contaminants or wastes must be installed and maintained to prevent any discharge through the bed or banks of the pond that will or may cause environmental harm or environmental nuisance in any waters (including groundwaters).
- (D13) All ponds used for the storage or treatment of contaminants or wastes must be constructed and maintained to ensure the stability of the ponds construction.

End of Conditions for Schedule D

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SCHEDULE E - LAND APPLICATION**Release of Contaminants to Land**

- (E1) There must be no release nor likelihood of release of any contaminants to land that may cause environmental harm or contribute to contamination of such land.

End of Conditions for Schedule E

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SCHEDULE F - NOISE**Emission of Noise**

- (F1) In the event of a complaint about noise that constitutes annoyance 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 of the noise schedule.

SCHEDULE F - 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 <i>L_{Amax adj, T}</i>
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 <i>L_{Amax adj, T}</i>
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)

End of Conditions for Schedule F

SCHEDULE G - WASTE MANAGEMENT**General**

- (G1) Procedures must be implemented to ensure that wastes are minimised, recycled, stored, handled and transferred in a proper and efficient manner and that any disposal of waste (excepting any release of waste provided for by a condition of this development approval) is to a facility appropriate to accept such waste.
- (G2) The registered operator of this development approval must not:
- (i) burn waste at or on the approved place; or
 - (ii) allow waste to burn or be burnt at or on the approved place; or
 - (iii) remove waste from the approved place and burn such waste elsewhere.
- (G3) Records of trade waste agreements must be made available for inspection on request.

Regulated Waste

- (G4) Where regulated waste is removed from the approved place (other than by a release as permitted under another schedule of this development approval), the registered operator of this development approval must monitor and record the following:
- (a) the date, quantity and type of waste removed;
 - (b) name of the waste transporter and/or disposal operator that removed the waste; and
 - (c) the intended treatment/disposal destination of the waste.
- (G5) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating the facility.
- (G6) Procedures must be implemented to ensure that the disposal of wastes generated in carrying out the environmentally relevant activities is to an appropriate facility that accepts such wastes, except as specifically provided for under the conditions of this development approval.

End of Conditions for Schedule G

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SCHEDULE H - SELF MONITORING AND REPORTING

Complaint Recording

- (H1) All complaints received by the registered operator of this development approval relating to releases of contaminants from operations at the approved place must be recorded and kept in a log book 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.
- (H2) Records of complaints required by condition H1 must be kept for a period of at least three (3) years.

Receiving Waters Monitoring Program during Dredging

- (H3) The registered operator of this development approval is responsible for the making of determinations and the keeping of records of the quality characteristics of the receiving waters to check compliance with condition C2 at a frequency not less than quarterly.

Sampling Point Details

- (H4) Determinations of the concentration of suspended solids, pH and turbidity levels to check conformity with release quality characteristics specified in the Water Schedule of this development approval must be undertaken at the sampling points described as:
- (i) a background sampling point as defined in condition C2; and
 - (ii) a down-current sampling point as described in condition C2.
- (H5) All determinations of turbidity and pH and sampling for suspended solids in conjunction with the receiving waters monitoring program must be undertaken at approximately mid depth in the water column.

Quality Assurance: Water Quality Measurements

- (H6) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the *Department of Environment and Heritage Water Quality Sampling Manual, 2nd Edition, February 1995*, or more recent additions or supplements to that document as such become available.
- (H7) All determinations of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.

Noise Monitoring

- (H8) For the purposes of investigating complaint of noise annoyance and for checking compliance with condition F1, monitoring and recording of the noise levels from the environmentally relevant activities must be undertaken for at least the following descriptors, characteristics and conditions:
- (i) $L_{Amax, adj T}$;
 - (ii) $L_{Aeq, T}$ or $L_{A90, T}$;
 - (iii) $Max L_{pA T}$;
 - (iv) $L_{AN, T}$ (where N equals statistical levels of 1, 10, 50, 90 and 99);
 - (v) $L_{Aeq, T}$;

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- (vi) the level and frequency of occurrence of impulsive or tonal noise;
 - (vii) atmospheric conditions including temperature, relative humidity and wind speed and direction;
 - (viii) effects due to extraneous factors such as traffic noise; and
 - (ix) location, date and time of recording.
- (H9) Noise monitoring must be undertaken to investigate any complaint of noise annoyance upon receipt of a complaint or upon a written request from the administering authority to carry out such monitoring.

Quality Assurance: Noise Measurement

- (H10) 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 additions or supplements to that document as they become available.
- (H11) 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.

Records

- (H12) Records must be kept of the results of all monitoring of noise levels, including other information required to be recorded in conjunction with such monitoring for a period of at least three (3) years.

Ambient Particulate Monitoring

- (H13) Ambient particulate monitoring must be undertaken to investigate any complaint of dust nuisance upon receipt of a request from the administering authority to carry out such monitoring or upon the receipt of a dust complaint by the registered operator of this development approval.
- (H14) Analysis of the obtained samples must be made for the following:
- (i) total water insoluble dust in milligrams; and
 - (ii) dust fallout in milligrams/square metre/day.
- (H15) The samples must be collected and analysed in accordance with the requirements of Australian Standard AS 3580.10.1 -1991 for Ambient Air - Particulate Matter.
- (H16) All measurement and reporting of particulates in ambient air must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
- (H17) Records must be kept of the results of all monitoring of particulates in ambient air for a period of at least three (3) years.

Notification of Emergencies and Incidents

- (H18) Where the registered operator of this development approval has not given notification to the administering authority under section 37 of the *Environmental Protection Act*, 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 development approval, the registered operator of this development approval must notify the administering authority of the release by telephone or facsimile.
- (H19) Where the registered operator of this development approval has not given notification to the administering authority under section 37 of the *Environmental Protection Act*, the notification of emergencies or incidents as required by condition number H18 must include but not be limited to the following:
- (i) the name of the registered operator of the development approval;
 - (ii) the location of the emergency or incident;

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- (iii) the number of the development approval;
 - (iv) the name and telephone number of the designated contact person;
 - (v) the time of the release;
 - (vi) the time the registered operator of the development approval became aware of the release;
 - (vii) the suspected cause of the release;
 - (viii) the environmental harm and/or environmental nuisance caused, threatened, or suspected to be caused by the release; and
 - (ix) actions taken to prevent further any release and mitigate any environmental harm and/or environmental nuisance caused by the release.
- (H20) Where the registered operator of this development approval has not given notification to the administering authority under section 37 of the *Environmental Protection Act*, not more than fourteen (14) days following the initial notification of an emergency or incident, the registered operator of the development approval must provide written advice of the information supplied in accordance with condition number H19 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 and or environmental nuisance.

Exception Reporting

- (H21) The registered operator of this development approval must notify the administering authority in writing of any monitoring result which indicates an exceedance of any development approval limit within twenty-eight (28) days of completion of analysis.
- (H22) The written notification required by condition number H21 must include:
- (i) the full analysis results; and
 - (ii) details of investigation or corrective actions taken; and
 - (iii) any subsequent analysis.

Report Submission

- (H23) The registered operator of this development approval must ensure that the results of all monitoring performed in accordance with this Development Approval for the period covered by the return are submitted with the annual return.

End of Conditions for Schedule H

SCHEDULE I - DEFINITIONS

For the purposes of this development approval the following definitions apply:

- (I1) "mg/L" means milligrams per litre.
- (I2) "Act" means the *Environmental Protection Act 1994*.
- (I3) "administering authority" means the Environmental Protection Agency or its successor.
- (I4) "land" in the "land schedule" of this development approval means land excluding waters and the atmosphere.
- (I5) "noise" includes vibration of any frequency, whether emitted through air or another medium.
- (I6) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.
- (I7) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.
- (I8) "range" means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor lower than the lower release limit stated.
- (I9) " $L_{Amax, T}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 15 minutes, using Fast response.
- (I10) "background noise level" means either:
 $L_{A90, T}$ being the A-weighted sound pressure level exceeded for ninety percent (90%) of the time period of not less than 15 minutes, using Fast response, or
 $L_{A90, T}$ 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 15 minutes, using Fast response.
- (I11) "Max $L_{pA, T}$ " means the maximum A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.
- (I12) "noise sensitive place" means -
 - (a) a dwelling, 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
 - (d) a medical centre or hospital; or
 - (e) a protected area; or
 - (f) a park or gardens.
- (I13) "commercial place" means a place used as an office or for business or commercial purposes.
- (I14) "annoyance". In determining what constitutes "annoyance" regard must be had to *Australian Standard 1055.2 - 1989 Acoustics - Description and Measurement of Environmental Noise Part 2 Application to specific situations*.
- (I15) "aggregates" means rock of any size including overburden, sand and/or soil.
- (I16) "AMTD" means Adopted Middle Thread Distance.

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End of Conditions for Schedule I

END OF CONDITIONS

¹ Permit includes development approvals, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and the Queensland Parks and Wildlife Service
Environmental Protection Agency



