

**APPLICATION FOR AMENDMENT OF LICENCE UNDER
SECTION 49(2) ENVIRONMENTAL PROTECTION ACT 1994**

SUBJECT: CSR Limited
ADDRESS: 18 Little Cribb Street,
MILTON QLD 4064
FILE: 961EA257
LICENCE NO.: SR584
DECISION DATE: 26/10/98

ERA No:

located at: Russell's Road (Summerville)
PINE MOUNTAIN QLD 4305

ERA 19(b) - Extraction of rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel loam or other material (other than under a mining authority) from pits or quarries using plant or equipment having a design capacity of 5 000 tonnes or more, but less than 100 000 tonnes, per year.

in respect of carrying out the environmentally relevant activity at the following place(s):

Lot 1 on RP866821 and Lot 2 on RP866821, County of Churchill, Parish of Brassall.

located at: Russell's Road (Sapling Pocket)
PINE MOUNTAIN QLD 4305

ERA 19(b) - Extraction of rock or other material-extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel loam or other material (other than under a mining authority) from pits or quarries using plant or equipment having a design capacity of 5 000 tonnes or more, but less than 100 000 tonnes, per year.

in respect of carrying out the environmentally relevant activity at the following place(s):

Lot 1 on RP189078 and Lot 4 on RP189078, County of Stanley, Parish of Kholo.

located at: Kholo Road (Kholo Bridge)
KHOLO QLD 4305

ERA 19(b) - Extraction of rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel loam or other material (other than under a mining authority) from pits or quarries using plant or equipment having a design capacity of 5 000 tonnes or more, but less than 100 000 tonnes per year.

in respect of carrying out the environmentally relevant activity at the following place(s):

Portion 21 on RPCC3170 and Portion 235 on RPCC3170, Parish of Mutdapilly, County of Churchill and Lot 4 on RP189078, County of Stanley, Parish of Kholo.

located at: Sugarloaf Road (Mutdapilly)
MUTDAPILLY QLD 4305

ERA 19(b) - Extraction of rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel loam or other material (other than under a mining authority) from pits or quarries using plant or equipment having a design capacity of 5 000 tonnes or more, but less than 100 000 tonnes per year.

in respect of carrying out the environmentally relevant activity at the following place(s):

Lot 28 on RP216659, Lot 2 on RP215979, Lot 1 on RP207413, Lot 2 on RP49247, Lot 1, RP58274 and Lot 2 on RP118315, County of Stanley, Parish of Chuwar.

located at: Mt Crosby Road (Tivoli)
TIVOLI QLD 4305

ERA 21(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 tonnes or more per year.

ERA 60 - Concrete batching - commercially producing concrete or producing concrete products by mixing cement, sand, rock, aggregate or other similar materials in works (including mobile works) having a design production capacity of more than 100 tonnes per year.

APPLICATION DETAILS

Target	Event	Event Date
1	Application for Amendment of Licence	28/9/98
2	Additional information (S62)	N/A
3	Additional Time (S65)	N/A
3	Application Date	28/9/98
4	Application Processed referred to District Manager	
5	Decision Due	26/10/98
6	Notification of Decision	5/11/98
7	Was the correct fee paid - Yes	yes

1 SUMMARY

CSR Limited have applied under section 49(2) for an amendment of licence SR584 to change the real property description at Russells Road, Summerville, Pine Mountain and the address for services of notices.

2 STATUTORY REQUIREMENTS

The application for amendment has been made in accordance with section 49 (2) of the Act addressing EP Act Section 49(9) requirements, the following comments are made in relation to the standard criteria.

(a) THE STANDARD CRITERIA

Refer to RSA for CSR Limited licence number SR584.

3 CONCLUSIONS

There is no change in environmental management as a result of this amendment, only an address change and re numbering of the lot number.

4 RECOMMENDATIONS

It is recommended that environmental authority No SR584 be amended as per attached report.

Contact Officer: J.Griffin
(07) 3224 6166

sch4-Signature

 **Wal Lotocki**
Manager - Licensing
Environment Program
Southeastern Region

**CSR LIMITED REQUEST FOR AMENDMENT OF ENVIRONMENTAL AUTHORITY No
SR584 IN RESPECT OF ENVIRONMENTALLY RELEVANT ACTIVITY**

The following:

DELETE

Address: 11th Floor
Tower Life Building
301 Coronation Drive

in respect of carrying out the environmentally relevant activity at the following place(s):

Lot 2 on RP131238, County of Stanley, Parish of Sahl.

INSERT

Address:

18 Cribb St

little — *advice from Tachta
Griffin 30/10/98*

in respect of carrying out the environmentally relevant activity at the following place(s):

Lot 4 RP 891065, County of Stanley, Parish of Sahl.

Summary

The above amendment has been requested and will be granted there is no material change in use only the address has been changed by the Council.

Recommendation

It is recommended that the address on this licence be changed to reflect the new address.

Certificate of Registration

No: ENRE00757408

This registration certificate is issued by the Environmental Protection Agency and takes effect from: 14-MAR-2008.

The anniversary day for the purposes of the Annual Return remains: 21 August.

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 places; subject to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-

Readymix Holdings Pty Ltd

Level 4

9 Help Street, CHATSWOOD NSW 2067

Place:-

Lot 2 Plan RP131238

Located at:-

Russells Road (Summerville), PINE MOUNTAIN QLD 4305

Place:-

Lot 1 Plan RP866821, Lot 2 Plan RP866821

Located at:-

Russells Road (Sapling Pocket), PINE MOUNTAIN QLD 4305

Place:-

Lot 1 Plan RP189078, Lot 4 Plan RP189078

Located at:-

Kholo Road (Kholo Bridge), KHOLO QLD 4305

Place:-

Portion 21 Plan RPCC3170, Portion 235 Plan RPCC3170, Lot 4 Plan RP189078

Located at:-

Sugarloaf Road (Mutdapilly), MUTDAPILLY QLD 4305

Registered Activities: -

ERA 20(b) Extracting rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay

used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining tenement or petroleum authority) from a pit or quarry using plant or equipment having a design capacity of 5 000 t or more, but less than 100 000 t, a year.

Place:-

Lot 28 Plan RP216659, Lot 2 Plan RP215979, Lot 1 Plan RP207413, Lot 2 Plan RP49247, Lot 1 Plan RP58274 and Lot 2 Plan RP118315

Located at:-

Mt Crosby Road (Tivoli), TIVOLI QLD 4305.

Registered Activities: -

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

ERA 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 a year.

sch4-Signature

Delegate

Environmental Protection Agency

Date: 9 July 2008

Development Permit

EPA Permit¹ number:	IPDE00896608
Application (Converted Development Approval) No.	SR2524
Relevant Laws and Policies:	<i>Environmental Protection Act 1994</i> and any subordinate legislation

Development Description

Property/Location

Lot 2 on RP131238, County of Stanley, Parish of Sahl.

located at: Russell's Road (Summerville)
PINE MOUNTAIN QLD 4305

Carrying out of Environmentally Relevant Activity (ERA)

20(b) – Extracting rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel loam or other material (other than under a mining tenement or an authority, lease, development approval or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 5 000 t or more, but less than 100 000 t a 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.

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.

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



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*.

sch4-Signature

Delegate of Administering Authority
Environmental Protection Act 1994

Date: 9 July 2008

EHP RTI DL Release

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



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

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

Schedule J - Approved Documents

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



SCHEDULE A - GENERAL CONDITIONS

Maintenance of Plant and Equipment

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

- (i) maintain all plant and equipment relating to the carrying out of the environmentally relevant activities in a proper and efficient condition; and
- (ii) operate all plant and equipment relating to the carrying out of the environmentally relevant activities in a proper and efficient manner,

for example, maintain and operate all plant and equipment in compliance with any applicable manufacturer's specifications or recommendations.

In this condition, "plant and equipment relating to the carrying out of the environmentally relevant activities" means:

- (iii). plant and equipment used to carry out the environmentally relevant activities themselves, for example, machinery used for extraction, screening and concrete batching;
- (iv). plant and equipment used to prevent and/or minimise the likelihood of environmental harm being caused by the carrying out of the environmentally relevant activities, for example, plant and equipment used for the purposes of dust control, stormwater management and erosion control;
- (v). structures and devices used to contain escapes of contaminants which may result from the carrying out of the environmentally relevant activities, for example, bunding;
- (vi). structures and devices used to store, handle, treat and dispose of waste which may result from the carrying out of the environmentally relevant activities, for example, settlement ponds;
- (vii). backup systems that act in the event of failure of a primary system.

(A2) Erosion control and sediment control measures must be maintained at all times during the periods the environmentally relevant activities are carried out and during rehabilitation. Procedures must be implemented to check and, if necessary, repair or replace the erosion control and sediment control measures after each rain event likely to adversely affect the efficiency of those measures.

Display of Development Approval

(A3) A copy of this development approval must be kept in a location readily accessible to personnel carrying out the activity.

Records

(A4) 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, except as otherwise provided, 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

(A5) 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.

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

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

- (A6) 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.

Sand and Gravel Extraction

- (A7) Extraction of material, for example sand and gravel materials, must only be carried out from material deposits offstream from any watercourse.
- (A8) Extraction of material and associated operations must not cause any erosion of the bed or banks of any watercourse or damage any vegetation growing in or on the bed or banks of such watercourse.
- (A9) There must be no extraction of material within any watercourse channel or within that distance of the top of the bank of any watercourse that would result in collapse of and/or washout of the bank of such watercourse provided that under no circumstance must that distance be less than the corresponding minimum distance for the approved place as prescribed as in Schedule A Table 1.

Schedule A - Table 1

Approved Place	Minimum distance between extraction and the top of the bank of any watercourse in metres
Russell's Road (Summerville) PINE MOUNTAIN QLD 4305 on Lot 2 on RP131238, County of Stanley, Parish of Sahl.	Whichever is the greater of 20 metres or that distance that corresponds to the limit of extraction delineated on diagram BR635 A4 titled "CSR - BRISBANE RIVER SAPLING POCKET & SUMMERVILLE'S LAND LOCALITY PLAN" contained the document "Operating and rehabilitation plan for CSR Sapling Pocket" dated December 1995 signed for and on behalf of CSR by Mr. Rolly Bendall on 21/12/1995.
Russell's Road (Sapling Pocket) on Lot 1 on P866821 and Lot 2 on RP866821, County of Churchill, Parish of Brassall.	Whichever is the greater of 30 metres or that distance that corresponds to the limit of extraction delineated on diagram BR635 A4 titled "CSR - BRISBANE RIVER SAPLING POCKET & SUMMERVILLE'S LAND LOCALITY PLAN" contained the document "Operating and rehabilitation plan for CSR Sapling Pocket" dated December 1995 signed for and on behalf of CSR by Mr. Rolly Bendall on 21/12/1995.
Kholo Road (Kholo Bridge) KHOLO QLD 4305 on Lot 1 on RP189078 and Lot 4 on RP189078, County of Stanley, Parish of Kholo.	20 metres

- (A10) In any case that any extraction of material takes place within forty (40) metres the top of the bank of any watercourse, that bank must as soon as practicable be re-instated with fill material in a stable manner in accordance with condition (A11) and replanted with appropriate native vegetation.

Fill Material

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

- (A11) The only material to be placed in any void or pond on the approved place must be clean rock, clay, sand or soil (excluding any contaminated rock, clay, silt and soil).

Integrated Environmental Management System (IEMS)

- (A12) The registered operator of this development approval must:

- (a) develop and implement an IEMS which provides for the following functions:
- the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and
 - staff training and awareness of environmental issues; and
 - the conduct of environmental and energy audits; and
 - waste prevention, treatment and disposal; and
- (b) lodge with the administering authority on or before 1 August 1997 a brief report describing the progress in developing and implementing the IEMS; and
- (c) on or before 1 September 1997, have completed and implemented the IEMS.

- (A13) The registered operator of this development approval must submit details of any amendment of the IEMS to the administering authority with the annual return which immediately follows the enactment of any such amendment.

- (A14) A copy of the IEMS must be kept at the approved place.

Site Rehabilitation and Decommissioning Report

- (A15) A report must be submitted to the administering authority with the 1999 annual return that demonstrates the following:
- (i) That a final landform could be developed on the site that will be consistent with the financial viability of the proposed works and the protection of environmental values of the region. The final landform used in the demonstration may not be necessarily identical to the final adopted landform, but must be consistent with the proposed works, in particular, any lakes and bunds to be created as a result of the extraction activities.
 - (ii) By the results of a hydraulic study carried out by a person with appropriate experience and qualifications examining potential and expected impacts of the works upon stability, that the works will not adversely affect stability of any watercourse and the floodplain upstream, downstream and adjacent to the proposed works.
 - (iii) By the results of an appropriate study carried out by a person with appropriate experience and qualifications examining potential and expected impacts of the works upon water quality, that appropriate short term and long term water quality can be achieved within any proposed permanent water bodies formed by the extraction activities.
 - (iv) A list of the environmental values that will be considered during the design, operation and management of the proposed works.
- (A16) At least three (3) months prior to ceasing carrying out the environmentally relevant activities at the approved place(s), the registered operator of this development approval must prepare and submit a Site Rehabilitation and Decommissioning Report for the relevant approved place(s) detailing practices and measures that will implemented to prevent or minimise environmental harm occurring during and after the decommissioning of the environmentally relevant activities.
- (A17) The Site Rehabilitation and Decommissioning Report must address at least the following matters:
- (i) description of what is ultimately proposed for the site;

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



- (ii) revegetation of the site, including ground preparation, species used, methods, density, irrigation, weed control, use of local species where appropriate, staging and timing of revegetation works;
- (iii) the proposed landform design to be implemented, include design profile and batter slopes;
- (iv) nature of materials utilised and techniques to be employed for any proposed backfilling of extracted areas such as filling, compaction, topsoiling, overburden return and any other soil amelioration leading to vegetation establishment;
- (v) stability of the final landform, including assessment of any changes to the flood gradient, assessment of the stability of slopes and susceptibility to soils slumping;
- (vi) stability of the final land surface (i.e. erosion control) including assessment of susceptibility of soils to erosion and anticipated erosion control measures;
- (vii) provision and protection of riparian and wildlife corridor widths and any appropriate linkages to other habitat areas;
- (viii) identification of any habitat areas that have been formed either directly or indirectly as a result of the extractive works or associated activities that may be adversely affected by decommissioning works, for example, any habitat pools upstream and downstream of a weir or causeway, and measures to protect these areas;
- (ix) potential long term impacts on environmental values and measures proposed to address these, for example, restoration of desired environmental values;
- (x) expected short term and long term water quality within any lakes or ponds, with reference to likely uses of the waters, environmental values, appropriate water quality criteria, proposed remedial measures in the event that criteria are not met, and who will be responsible for maintenance of the waterbodies in the long term;
- (xi) a proposed maintenance program, including maintenance of erosion control measures, vegetation being established (e.g. watering, weed control, fencing, site security) and water quality of any lakes or ponds;
- (xii) in the event that actual or potential acid sulfate soils are present, appropriate management measures for the soils including avoidance, submergence and treatment;
- (xiii) prevention or minimisation of windblown dust from overburden stockpiles, remnant raw material stockpiles and rehabilitation earthworks;
- (xiv) prevention or treatment of the release of contaminated stormwater runoff from remnant material stockpiles, disturbed areas and any lakes or ponds created to the bed or banks of any watercourse;
- (xv) a proposed monitoring program, for example, plant growth, plant health, stormwater quality, water body water quality, erosion protection measures, stability;
- (xvi) records to be kept and reporting of outcomes, including the monitoring program results and rehabilitation outcomes achieved;
- (xvii) the staging and timing of the expected works;
- (xviii) any bonds kept for rehabilitation, for example, by the local authority; and
- (xix) submission of written advice to the administering authority within fourteen (14) days of completion of site rehabilitation and decommissioning works.

Rehabilitation

(A18) The registered operator of this development approval 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.

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



- (A19) Notwithstanding conditions (A16) to (A18), rehabilitation of disturbed areas must take place progressively as works are staged and new areas of extraction are commenced within the approved place. The registered operator of this development approval must keep appropriate records of rehabilitation measures implemented including taking of photographs demonstrative of rehabilitation achieved and submit a report to the administering authority with each annual return detailing the outcomes of the rehabilitation program in the preceding twelve (12) months.
- (A20) In developing and implementing the Site Rehabilitation and Decommissioning Report, use may be made of any relevant and appropriate plans, procedures, quality assurance manuals or other relevant documents previously prepared.

End of Conditions for Schedule A

EHP RTI DL Release

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



SCHEDULE B - AIR

Dust and Particulate Emissions - General

- (B1) Emissions of dust and/or particulate matter resulting from the environmentally relevant activities that will or may cause an environmental nuisance must not be released beyond the boundaries of the approved place.
- (B2) An environmental nuisance caused by dust and/or particulate matter includes a release to any dust sensitive place that exceeds either of the following limits at that place:
- (1) Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991;
 - (2) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM_{10}) suspended in the atmosphere of 150 micrograms per cubic metre over a twenty-four (24) hour averaging time, at a dust sensitive place downwind of the approved place, when monitored in accordance with:
 - (i) Australian Standard AS 3580.9.6 "Ambient air - Particulate matter - Determination of suspended particulate PM_{10} high-volume sampler with size-selective inlet - Gravimetric method"; or
 - (ii) any alternative method of monitoring PM_{10} which may be permitted by the "Air Quality Sampling Manual" as published from time to time by the administering authority.
- (B3) Condition (B2) applies if a complaint is made to the administering authority or the licensee about emissions of dust and/or particulate matter resulting from the environmentally relevant activities.

Dust Control - General

- (B4) The environmentally relevant activities must be managed using reasonable and practicable measures to minimise the release of wind blown dust to the atmosphere. Reasonable and practicable measures may include but are not limited to:
- (i) restriction of vehicular movement within the approved place to designated access routes;
 - (ii) minimisation of exposed surface area to that within the current areas of operation;
 - (iii) rehabilitation of completed areas as soon as reasonable and practicable following completion of excavation or other earthworks;
 - (iv) storage, processing and transfer of materials in a moist state;
 - (v) use of water cart(s) to suppress dust, as necessary, on site access roads.

Dust Control - Transport Trucks

- (B5) The registered operator of this development approval must take reasonable and practicable measures necessary to prevent spillage and/or loss of particulate matter and minimise windblown dust from trucks used for transporting extracted materials 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 any 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.

Dust Control - Trafficable Areas

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



- (B6) Trafficable areas must be maintained, at all times, in a condition which minimises the release of wind-blown or traffic-generated dust.
- (B7) All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.

Conveyor Belts - Tivoli Approved Place

- (B8) Spillage of aggregate materials in the vicinity of the conveyor shall be removed at least daily, or immediately if visible dust is originating from the spillage.
- (B9) Materials must be conveyed in a moist state so as to minimise the likelihood of release of dust and particulate matter to the atmosphere.

Stockpiles - General

- (B10) Water sprays are to be installed and operated on the stockpiles as necessary to minimise the release of dust and particulate matter to the atmosphere.

Rehabilitation - General

- (B11) Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.

Concrete Batching Plant - Tivoli Approved Place

Cement / Flyash Silos

- (B12) An effective filter is to be in operation on the exhaust from the cement/flyash silos.
- (B13) Silos with a common filter are not to be filled simultaneously.
- (B14) Controls for shaking and cleaning the filter are to be located at ground level.
- (B15) Quick acting shut off valves are to be in all silo fill lines and closure of the valves is to be activated automatically by the detection of a high level in the silo being filled.
- (B16) A test circuit for simulating high level conditions in the silos is to be used before each bulk delivery.
- (B17) Remote sensors are to be in operation to warn of any detection of a high level in the silo(s).
- (B18) All collected material removed from the FFDC must be removed and disposed of in a manner that will not cause the release of contaminants to the atmosphere or to waters.
- (B19) The filling of all silos must be controlled by automatic devices which prevent silos from being filled beyond their nominal capacity.

End of Conditions for Schedule B

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

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

- (C1) Contaminants that will or may cause environmental harm must not be directly or indirectly released from the approved place to any waters or the bed and banks of any waters except:
- (i) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government; and
 - (ii) as permitted under the stormwater management schedule.

End of Conditions for Schedule C

EHP RTI DL Release

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



SCHEDULE D - STORMWATER MANAGEMENT

Maintenance and Clean up

- (D1) The maintenance and cleaning of vehicles and any other earthmoving equipment must be carried out in areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.
- (D2) Spillage of wastes, contaminants or other materials that has the potential to cause environmental harm 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.

Fuel and Chemical Storage Bunding

- (D3) All liquid fuel tank storages and chemical tank storages must be bunded so that the capacity of the bund is sufficient to contain at least one hundred percent (100%) of the largest storage tank plus ten percent (10%) of the second largest tank within the bund.
- (D4) All chemical drum storages and fuel drum storages must be bunded so that the capacity of the bund is sufficient to contain at least twenty-five percent (25%) of the maximum design storage volume within the bund.
- (D5) All bunding must be constructed of materials which are impervious to the materials stored.
- (D6) For the purpose of preventing any release of contaminants from bunded storage areas for petroleum products or other chemicals, each bunded storage area must either be:
 - (i) roofed to exclude ingress of rainfall; or
 - (ii) inspected as often as necessary having regard to rainfall, but at least daily, to ascertain the level of any water and presence of any contaminants within the bunded area. In the event that a release of contaminants could be reasonably expected to occur, action must be taken to prevent the release. The date, time and results of the inspections, including details of actions taken to prevent the release of contaminants, must be recorded in a log book that is countersigned by the site manager at least weekly.
- (D7) The registered operator of this development approval must ensure that any stormwater captured within the bunded area is free from contaminants or wastes prior to any release to waters or to any stormwater drainage system or to any land. Where it is practicable to do so, that captured stormwater must be reused or recycled at the approved place rather than being released.
- (D8) For any new bunding installed following the issue of this development approval a collection sump must be provided in the floor of the bunding to facilitate the removal of liquids. The bund floor must be graded so that the fall is towards the collection sump.
- (D9) All bunding must be maintained free from gaps or cracks.

Contained Stormwater Runoff - Tivoli Approved Place

- (D10) All contaminated stormwater runoff from the stockpile(s) and the areas utilised for the operation of the stockpile(s), internal roadways and processing areas must be collected and treated in the settlement ponds.
- (D11) Stormwater collected in the settlement pond(s) must be reused, as far as reasonably practicable, on the approved place in a manner which does not harm the environment.

Description of Release from Tivoli Approved Place

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

(D12) The only contaminants permitted to be released to any waters, including the bed or banks of such waters, from the approved place in the carrying out of the environmentally relevant activities must be in accordance with conditions D13 and D14 and are:

- (a) waste water from sand and gravel washing activities, following treatment of the contaminants in sedimentation pond(s) provided that the waste water cannot be reused in the washing process, for example due to its suspended solids concentration; and
- (b) stormwater contaminated by sediment and turbidity that must first be treated by reasonable and practicable sediment control measures including, collection for treatment and potential reuse in sedimentation pond(s) that have a capacity to retain not less than the runoff expected from the 60 minute, one (1) in two (2) year ARI design storm from those parts of the approved place from which stormwater runoff is likely to be contaminated by sediment, for example, disturbed areas, unsealed roadways and areas in which any earthen material is stored. The design storm being determined in accordance with the latest version of Australian Rainfall and Runoff (AR&R).

Contaminated Stormwater Runoff - Release Point

(D13) Contaminants that will or may cause environmental harm must not be directly or indirectly released from any source on the approved place to any waters at any location other than the contaminants and sources at the location listed below:

Release Point W1 - treated stormwater from the crushing and screening plant settlement pond (s) released to Sandy Creek at approximately 77.0 AMTD (as shown on aerial photograph entitled "CSR Tivoli: Environmental Monitoring Locations."

Quality Characteristics of Contaminated Stormwater Runoff Released to Waters

(D14) The quality of contaminants released to waters must comply, at the sampling point(s) specified in Condition D13, with the following quality characteristics:

- (i) the pH value must not be less than 6.5 and not more than 9.0;
- (ii) the concentration of Dissolved Oxygen must not be less than 6 milligrams per litre; and
- (iii) the concentration of suspended solids must not exceed 50 milligrams per litre.

Settlement Ponds - General

(D15) Reasonable and practicable measures must be taken to prevent short-circuiting in sedimentation pond(s) and system(s).

Reasonable and practicable measures for ensuring that water does not short circuit within an individual pond include:

- (i) ensuring relatively uniform velocities through the pond;
- (ii) ensuring that the pond inlet and outlet are located at opposite ends of the pond along the long axis;
- (iii) ensuring that the ponds are periodically desludged to maintain efficiency in the settlement of solids;
- (iv) ensuring that sufficient capacity is available within the pond system such that stormwater flows do not flush out settled solids;
- (v) ensuring that there are no obstructions, such as vegetation, within the pond, that materially alters the velocities of water flowing through the different sections of the pond.

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



Reasonable and practicable measures for ensuring that water does not short circuit between ponds includes ensuring that the banks and channels of and between ponds are maintained so as to direct the flow of water from one pond to the next and also through a sufficient number of ponds to achieve the prescribed contaminant release quality.

- (D16) Sediment collected in settlement ponds must be removed whenever the volume of the basin is reduced by fifty percent (50%), or on other occasions as required by the administering authority, such as where sediments are contaminated, or where a build-up of sediments has occurred or may occur around the outlet structure.
- (D17) All ponds used for the storage or treatment of contaminants must be constructed and maintained in a manner to ensure the stability of the pond(s) construction.

End of Conditions for Schedule D

EHP RTI DL Release

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



SCHEDULE E - LAND APPLICATION

Release of Contaminants to Land

- (E1) The environmentally relevant activities must be carried out by such practicable means necessary to prevent the release or likelihood of release of contaminants to land which may cause such land to become contaminated land.

End of Conditions for Schedule E

EHP RTI DL Release

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



SCHEDULE F - NOISE

Emission of Noise

- (F1) The environmentally relevant activities must be carried out by such reasonable and practicable means necessary to prevent the emission or likelihood of emission of noise that constitutes an unreasonable intrusive noise. The reasonable and practicable measures adopted for the approved place must be incorporated into the relevant procedure(s) implemented under the integrated environmental management system.
- (F2) (a) Subject to condition F2(b), the emission of noise from the approved place must not result in levels greater than:
- (1) if the noise complained of affects an individual's opportunity to have relaxation and/or conversation without unreasonable interference from intrusive noise, those levels specified in Table 1 of the Noise Schedule;
 - (2) if the noise complained of affects an individual's opportunity to have sleep, recreation or work within a habitable room without unreasonable interference from intrusive noise, those levels specified in Table 2 of the Noise Schedule;
- (b) (1) Condition F2(a) applies if:
- (i) there is a complaint to the administering authority about the level of noise from any source in the carrying out of the environmentally relevant activities at the approved place; and
 - (ii) the complaint is not frivolous or vexatious; and
 - (iii) the administering authority considers that the noise complained of may be an unreasonable intrusive noise; and
 - (iv) the registered operator of this development approval is notified by the administering authority of the complaint.
- (2) Condition F2(a) applies from the close of the next business day after the notification pursuant to condition F2(b)(1)(iv).

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

Schedule F – Table 1

NOISE LIMITS AT A NOISE SENSITIVE PLACE	
Period	Noise Level at Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{\text{amax adj},T}$
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 $L_{\text{amax adj},T}$
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)

Schedule F – Table 2

NOISE LIMITS IN TERMS OF dB(A) WITHIN HABITABLE ROOMS		
Type of occupancy/activity	Max $L_{pA,T}$ (where Time period "T" equals 15 minutes)	$L_{Aeq,T}$ (where Time period "T" equals 60 seconds)
Recreation areas	45	40
Sleeping areas	45	30
Work areas	45	40

Ground-borne Vibration - Tivoli Approved Place

- (F3) Ground-borne vibration caused by crushing and screening operations must not exceed a peak particle velocity of five (5) millimetres per second for ground vibrations near houses and low rise residential buildings when measured at any of the affected residences at any of the monitoring points specified in schedule H.
- (F4) The measurement required for condition number F3 must be undertaken at a distance of at least the longest dimension of the foundations of a noise-affected building or structure away from such building or structure, between that building or structure and the site from where the ground - borne vibration is caused.
- (F5) The ground vibration transducer [or array] must be attached to a mass of at least 30 kg to ensure good coupling with the ground where the ground - borne vibration site and measurement site cannot be shown to be on the same underlying strata. The mass shall be buried so that its upper most surface is at the same level as the ground surface.

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



- (F6) The ground vibration transducer [or array] must be placed at least the greatest dimension of the foundations of the building or structure away from such building or structure between the building or structure and the site of the ground - borne vibration.

End of Conditions for Schedule F

EHP RTI DL Release

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



SCHEDULE G - WASTE MANAGEMENT**General**

- (G1) In this schedule, "waste resulting from the conduct of the environmentally relevant activities":
- (a) includes waste water produced by screening and/or washing of extracted material;
 - (b) does not include emissions of noise or emissions of dust or particulate matter.
- (G2) Waste resulting from the conduct of the environmentally relevant activities must be stored, handled, treated and transferred, as the case may be, in a proper and efficient manner to ensure that there is no release of contaminants which is not permitted by this development approval.
- (G3) Waste water produced by screening and/or washing of extracted material must be stored, handled, treated and released in accordance with Schedule D of this development approval.
- (G4) Disposal of waste resulting from the conduct of the environmentally relevant activities, other than waste water produced by screening and/or washing of extracted material, must be to a facility that is appropriate to lawfully accept such waste.
- (G5) 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.
- (G6) Records of trade waste agreements must be made available to an authorised person for inspection on request

Regulated Waste

- (G7) 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 and/or 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.)
- (G8) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

End of Conditions for Schedule G

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



SCHEDULE H - 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.

Noise Monitoring

- (H2) The administering authority may require the registered operator of this development approval to undertake monitoring and recording of noise levels if:
- (a) the administering authority receives a complaint about noise that constitutes an unreasonable intrusive noise; and
 - (b) the administering authority considers that the complaint is not frivolous or vexatious; and
 - (c) the administering authority delivers a written request to the registered operator of this development approval requiring it to undertake monitoring and recording of noise levels.
- (H3) Monitoring and recording 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) $L_{A_{bg}, T}$ (or $L_{A90, T}$);
 - (iii) $Max L_{pA, T}$;
 - (iv) $L_{Aeq, T}$;
 - (v) $L_{AN, T}$ (where N equals statistical levels of 1, 10, 50, 90 and 99);
 - (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 birds, insects and traffic noise.
- (H4) The following information must be recorded in conjunction with the measurement and recording of the noise:
- (i) location of sampling point(s);
 - (ii) date sample(s) taken;
 - (iii) time sample(s) taken.

Noise Monitoring - Tivoli Approved Place

- (H5) For the purpose of checking compliance with conditions F1 and F2 of the Noise Schedule F, monitoring and recording of noise from the environmentally relevant activities must be undertaken to investigate any complaint(s) of noise at the monitoring point(s) described as:

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



- (i) V1- Hayes House, as marked on sketch entitled "CSR Tivoli - Environmental Monitoring Locations" in Schedule J, provided that that monitoring point is relevant to the complaint being investigated; or
- (ii) If the monitoring point described in H5(i) above is not relevant to the complaint(s) being investigated, at a location or locations relevant to that complaint(s) in accordance with condition H7.

Monitoring - Ground Borne Vibration Tivoli Approved Place

- (H6) For the purpose of checking compliance with condition F3 of the Noise Schedule F, monitoring and recording of peak particle velocity from crushing and screening plants must be undertaken to investigate any complaint(s) of ground borne vibration at the monitoring point(s) described as:
 - (i) V1- Hayes House, as marked on sketch entitled "CSR Tivoli - Environmental Monitoring Locations" in Schedule J, provided that that monitoring point is relevant to the complaint being investigated; or
 - (ii) If the monitoring point described in H6(i) above is not relevant to the complaint(s) being investigated, at a location or locations relevant to that complaint(s) in accordance with conditions F4, F5 and F6.

Quality Assurance - Noise (Complaint Monitoring)

- (H7) 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 become available.
- (H8) 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

- (H9) Records must be kept of the results of all monitoring of noise levels (including ground vibration levels) and other information required to be recorded in conjunction with such monitoring for a period of at least five (5) years.

Ambient Particulate Monitoring

Tivoli Approved Place

- (H10) For the purposes of checking compliance with conditions B1 and B2, the registered operator of this development approval must develop and implement a particulate monitoring program.
- (H11) The particulate monitoring program must provide for:
 - (i) at least quarterly monitoring of ambient particulate matter (insoluble analysis and particulate matter deposition rate in milligrams/square metre/day) at not less than four (4) locations sited at approximate even spacing around the approved place in the proximity of dust sensitive places that are potentially affected by release of dust and particulate matter; and
 - (ii) monitoring of ambient particulate matter (insoluble analysis and particulate matter deposition rate in milligrams/square metre/day) over a period of at least three consecutive thirty (30) day periods at a dust sensitive place, to investigate any complaint alleging dust nuisance that is reasonably likely to have emanated from the approved place upon receipt of request from the administering authority to carry out such monitoring; and
 - (iii) monitoring of the twenty-four (24) average concentration of particulate matter with an aerodynamic diameter less than 10 micrometre (μm) (PM_{10}) suspended in the atmosphere

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

downwind and beyond the boundary of the approved place to investigate any complaint alleging that an unhealthy condition is caused by dust and particulate matter that is reasonably likely to have emanated from the approved place upon receipt of request from the administering authority to carry out such monitoring. The average concentration must be calculated from a minimum of eight (8) samples obtained over a one (1) month period.

- (H12) Samples taken for the particulate monitoring program must be collected and analysed in accordance with the requirements of the *Department of Environment "Air Quality Sampling Manual", first edition, November 1997*, or more recent editions or supplements to that document as are published by the Department from time to time.
- (H13) All determinations of particulate monitoring must be performed by a person or body possessing appropriate experience or qualifications to perform the required determinations.
- (H14) Records must be kept of the results of all monitoring of particulate matter (dust) deposition rates and monitoring of the twenty-four (24) average concentration of particulate matter with an aerodynamic diameter less than 10 micrometre (μm) (PM_{10}) suspended in the atmosphere, for a period of at least three (3) years.

Monitoring of Contaminant Releases to Waters - Tivoli Approved Place

- (H15) The registered operator of this development approval is responsible for the making of determinations of the quality of the contaminants released for the quality characteristics specified in schedule H - Table 1.

Schedule H - Table 1

QUALITY CHARACTERISTIC DETERMINATION	SAMPLING POINTS	FREQUENCY
pH.	W1	Quarterly
Dissolved Oxygen (mg/L)	W1	Quarterly
Suspended Solids (mg/L)	W1	Quarterly

Sampling Point Details for Monitoring Contaminant Releases to Waters

- (H16) Determinations of the quality of contaminants released to waters to check conformity with the release quality characteristics specified in condition D14 of this development approval must be undertaken at the sampling point described as:

Sampling Point W1 - Overflow from the final settlement pond as marked on aerial photograph in schedule J entitled "CSR Tivoli - Environmental Monitoring Locations" in schedule J.

Quality Assurance

- (H17) 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.
- (H18) 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.
- (H19) Records must be kept of the results of all monitoring of water quality for a period of at least three (3) years.

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

Exception Reporting

- (H20) 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.

Report submission

- (H21) 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.

Notification of Emergencies and Incidents

- (H22) 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 which 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.
- (H23) 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 H22 must include but not be limited to the following:
- a) The registered operator of the development approval;
 - b) the location of the emergency or incident;
 - c) the number of the development approval;
 - d) the name and telephone number of the designated contact person;
 - e) the time of the release;
 - f) the time the registered operator of the development approval became aware of the release;
 - g) the suspected cause of the release;
 - h) the environmental harm and or environmental nuisance caused, threatened, or to be caused by the release; and
 - i) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.
- (H24) 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 H23 in addition to:
- (a) proposed actions to prevent a recurrence of the emergency or incident; and
 - (b) outcomes of actions taken at the time to prevent or minimise environmental harm; and
 - (c) the results of any environmental monitoring performed.
- (H25) The written notification required by condition number H24 above must include:
- (i) the full analysis results; and
 - (ii) details of investigation or corrective actions taken; and
 - (iii) any subsequent analysis.

End of Conditions for Schedule H

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

SCHEDULE I - DEFINITIONS

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

- (11) "Act" means the *Environmental Protection Act 1994*.
- (12) "administering authority" means the Department of Environment or its successor.
- (13) "aggregates" means rock of any size including overburden, sand and/or soil.
- (14) "land" in the "land schedule" of this development approval means land excluding waters and the atmosphere.
- (15) "noise" includes vibration of any frequency, whether emitted through air or another medium.
- (16) " $L_{Amax, adj, T}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 15 minutes, using Fast response.
- (17) "background noise level" means either -
 - (i) $L_{A90, T}$ 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
 - (ii) $L_{Abg, T}$ 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 15 minutes, using Fast response.
- (18) " $MaxL_{pA, T}$ " means the absolute maximum instantaneous A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.
- (19) "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.
- (110) "commercial place" means a place used as an office or for business or commercial purposes.
- (111) "protected area" means -
 - (a) a protected area under the *Nature Conservation Act 1992*; and/or
 - (b) a marine park under the *Marine Parks Act 1982*; and/or
 - (c) a World Heritage Area.
- (112) "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 had to *Australian Standard 1055.2 - 1989 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations*.

- (113) "mg/L" means milligrams per litre.

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



- (I14) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.
- (I15) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.
- (I16) "range" means that the measured value of the quality characteristic or contaminant must not be less than the higher release limit stated nor lower than the lower release limit stated.
- (I17) "AMTD" means Adopted Middle Thread Distance as per the Queensland Water Resources Commission publication entitled "Atlas of AMTD Maps, January 1984."
- (I18) "downwind", in conditions B2 and H11, means in the downwind direction taking account of the wind direction that predominates for the area at that particular time of the year, for example as shown by wind data obtained from the Commonwealth Bureau of Meteorology.
- (I19) "dust 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; or
 - (g) a place used as an office or for business or commercial purposes
- and the curtilage of any such place.
- (I20) "habitable room" – means a room of a noise sensitive place where people may converse, study, work, relax or sleep.
- (I21) $L_{Aeq, T}$ means the equivalent continuous A-weighted sound pressure level measured over the time interval 'T' where 'T' equals 60 seconds, using Fast response.

End of Conditions for Schedule I

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



SCHEDULE J - APPROVED DOCUMENTS

For the purposes of this development approval the following stated document is approved document:

- (1) aerial photograph entitled "CSR Tivoli - Environmental Monitoring Locations."
- (2) CSR Tivoli Extractive Industries Environmental Monitoring Location Descriptions.

End of Conditions for Schedule J

END OF CONDITIONS

EHP RTI DL Release

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





Enquiries Darryl Byers
Telephone (07) 3227 8496
Your reference
Our reference

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

Readymix Holdings Pty Limited
Attn John Giobbi
PO Box 1143 MILTON QLD 4064

Dear Mr Giobbi,

Re: Integrated authority, number SR2524 to conduct Environmentally Relevant Activity 20(b), 22(c) and 62, issued under the *Environmental Protection Act 1994*, at various locations across Queensland.

The Environmental Protection Agency (EPA) has separated integrated authority SR2524 into five separate development approvals. The justification for this action is a result of amendments to the *Environmental Protection Act 1994* (the Act) whereby the provisions for integrated authorities were repealed. For existing integrated authorities, provisions in the Act allow for the status of each constituent part of the integrated authority to be a single development approval (for a material change of use under the *Integrated Planning Act 1997*). Provisions also allow the EPA to issue replacement documents for each of these development approvals. Please note that only minor word changes occurred to reflect amendments to legislative terminology.

The reference numbers of the new five separate development approvals for the sites covered in the previous integrated authority are as follows:

Locations	Development permit number
Russell's Road (Summerville) PINE MOUNTAIN QLD 4305	IPDE00896608
Russell's Road (Sapling Pocket) PINE MOUNTAIN QLD 4305	IPDE00896508
Kholo Road (Kholo Bridge) KHOLO QLD 4305	IPDE00896408
Sugarloaf Road (Mutdapilly) MUTDAPILLY QLD 4305	IPDE00896308
Mt Crosby Road TIVOLI QLD 4305	IPDE00896208

In addition, the EPA has issued a single registration certificate to cover all sites and activities. The registration certificate number is ENRE00757408.



The replacement development approvals and the registration certificate are attached for your reference. Please ensure copies of these approvals are sent to the relevant premises as under condition (A1), a copy of the development approval must be kept in a location readily accessible to personnel carrying out the activity.

These changes will not impact upon the timing of your annual return or the annual return fee.

Should you have any concerns or enquiries regarding this matter, please contact Darryl Byers on telephone (07) 3227 8496.

Yours sincerely

sch4-Signature

Scott Blanchard
Team Leader - Ipswich
Environmental Services
Environmental Protection Agency

Date: 9 July 2008