Provisional Licence No. SW30

Section 47(1)

800003

Under the provisions of the *Environmental Protection Act 1994* this provisional licence is issued:

To: Sellars Holdings Ltd.

Address: PO Box 1143
MILTON QLD. 4064

in respect of the following environmentally relevant activity, Screening etc. Materials (100 000 T or more), being carried out at premises located at Euston Road, Toowoomba.

This provisional licence is granted, conditional upon the level 1 environmentally relevant activity being constructed, operated and maintained in accordance with:

(i) the conditions of this provisional licence as set out in the schedule attached to this provisional licence.

This provisional licence takes effect from 29 February 1996 and remains in force until 28 February 1997 or unless otherwise cancelled by the administering authority.

signed .....

Delegate of Administering Authority
Environmental Protection Act

date .....

Published on DES Disclosure Log RTI Act 2009

Part of CSR Readymix

R

Provisional Licence No. SW30

Section 47(1)

Schedule of Conditions

1. This provisional licence is subject to the schedule of conditions attached to:

   (i) Licence No. A842 issued under the Clean Air Act including its requirements to comply with the Clean Air Regulations where the limit was not included in the licence.

Published on DES Disclosure Log
RTI Act 2009

R

QUEENSLAND GOVERNMENT
Department of Environment
Southwestern Regional Centre • 158 Hume Street, Toowoomba Qld 4350
PO Box 731 TOOWOOMBA QLD 4350 • Telephone (076) 39 4599 • Facsimile (076) 39 4524

Enquiries to: Kapila R. Bogoda
Telephone: (076) 398342
Your reference:
Our reference: 800607

Published on DES Disclosure Log
RTI Act 2009

CSR Limited
18 Little Cribb Street
MILTON QLD 4064

Attention: CTPI 49-Sch4

Dear CTPI 49-S

I refer to your application for an Environmental Authority for the above facility.

I wish to advise that approval has been granted subject to the attached conditions. Enclosed is your certificate for your records.

Yours faithfully

CTPI 49-Sch4

for Wendy Bullock
A/Regional Director

Queensland
Department
of Environment

Environmental Protection Act 1994

Environmental Authority
Licence No: 5-100-000-008
Section 45(1)

Under the provisions of the *Environmental Protection Act 1994* this environmental authority is issued:

To: CSR Limited

Address: 18 Little Cribb Street
MILTON QLD 4064

in respect of the following environmentally relevant activities

Toowoomba Quarry:

ERA 19(c) - 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 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 100 000t or more per year.

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 000t or more per year.

ERA 23 - Boiler making or engineering - commercial boiler making, electrical machine manufacturing or construction or assembly of vehicles, agricultural equipment or heavy machinery.

ERA 28 - Motor vehicle workshop - commercially servicing, repairing or maintaining motor vehicles or motor vehicle equipment, including engine tuning, engine reconditioning, radiator repairs and panel beating.

73(2)Irrelevant

Published on DERM Disclosure Log
RTI Act 2009

73(2)Irrelevant

being carried out at premises described as

Toowoomba Quarry

Lot	Plan	Parish	County	Area
8	RP 208160	Drayton	Aubigny	11.1
10	RP 208160	Drayton	Aubigny	8.0550
1190	RP A342648	Drayton	Aubigny	16.9007
1183	RP A342648	Drayton	Aubigny	0.3098
698	RP A34452	Drayton	Aubigny	2.0234
699	RP A34452	Drayton	Aubigny	2.0234
2	RP 157339	Drayton	Aubigny	11.9000
1	RP 157339	Drayton	Aubigny	17.2800

73(2)Irrelevant

Published on DES Disclosure Log RTI Act 2009

located at

Toowoomba Quarry : Euston Road, Toowoomba, Qld 4350

73(2)Irrelevant

This licence is granted, conditional upon the environmentally relevant activities being constructed, operated and maintained in accordance with:

(i) the undertakings of the application for the licence which are approved by the administering authority as set out in the attached schedule to this licence; and

(ii) the conditions of this environmental authority as set out in the schedule attached to this licence.

This Environmental Authority takes effect from the date of receipt of this document.

signed .. CTPI 49-Sch4 .....

Delegate of Administering Authority
Environmental Protection Act

Date 5/4/96

This environmental authority 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 - Self Monitoring and Reporting

Schedule I - Approved Documents

Schedule J - Definitions

Published on DES Disclosure Log
RTI Act 2009

CTPI 49-S

SCHEDULE A - GENERAL CONDITIONS

Compliance with Environmental Authority

(A1) Contaminants must not be released to the environment other than in accordance with this environmental authority.

(A2) The holder of this environmental authority must:

(a) install and operate all works and control equipment, and

(b) take all measures, perform all acts and do all things,

necessary to ensure compliance with the conditions of this environmental authority.

Display of Environmental Authority

(NS) A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity and be produced on demand to an authorised officer of the administering authority.

Records

(A4) Any record required to be kept by a condition of this environmental authority must be kept at the licensed place and be available for examination by an authorised person.

(A5) Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the Administering Authority on request.

Alterations

(A6) No change, replacement or operation of any plant or equipment is permitted if the change, alteration or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm or environmental nuisance.

Calibration

(A7) All instruments required under any condition of this environmental authority for the measurement of any parameter must be calibrated, operated and maintained in accordance with a protocol of the licensee's Accredited Quality Assurance System.

Integrated Environmental Management System

(A9) The Integrated Environmental Management System submitted with the application must be implemented by the holder of this environmental authority following its approval in writing by the administering authority.

End of conditions for schedule A

Published on DES Disclosure Log RTI Act 2009

CTPI 49-3

SCHEDULE B- AIR

Release of Contaminants to the Atmosphere

(B1) Except as otherwise provided by the conditions of the air schedule of this environmental authority the environmentally relevant activity/activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to the atmosphere.

Dust Control

(B57) Water sprays must be installed and operated as necessary to minimise the release of dust and particulate matter to the atmosphere.

(B58) All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.

(B59) Trafficable areas must be sealed with bitumen or an equivalent hard surface ,or otherwise maintained to the satisfaction of the administering authority, in a condition which minimises the release of wind blown or traffic generated dust.

(B67) Temporary roads used for soil or raw material haulage must be watered or treated with a chemical dust suppressant at a rate adjusted to account for different evaporation rates and soil moisture content, to prevent wind-blown or traffic generated dust.

(NS) The premises must have appropriate signage to inform all the trucks entering and leaving the site to have tailgates securely fixed, load covered immeadiately after loading to prevent dust and spillage and to maintain the cover until immediately before unloading.

(B73) Completed areas must be stabilised by landscaping or revegetating as soon as practicable and to the satisfaction of the administering authority.

(B74) Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.

(B75) Access to areas awaiting or being rehabilitated must be restricted by suitable barriers to prevent disturbance of these areas.

Concrete

(B76) All stockpiles must be enclosed by walls on three sides and the stockpiles are to be kept at least 0.5 metres below the tops of the walls and at least 0.5 metres inside the open ends of the enclosures.

(B77) The filling of all silos must be controlled by automatic devices which prevent silos from being filled beyond their nominal capacity.

(B78) Silos which release contaminants to the atmosphere via a common fabric filter must not to be filled simultaneously.

(NS) 73(2)Irrelevant

End of conditions for schedule B

Published on EPS Disclosure Log RTI Act 2009

CTPI 49

SCHEDULE C - WATER

(C1) Except as otherwise provided by the conditions of the water schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to waters.

(C2) Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except as permitted under the water schedule or the stormwater management schedule or to a sewer as permitted or otherwise agreed from time to time by the Local Government.

End of conditions for schedule C

SCHEDULE D -STORMWATER MANAGEMENT

General

(NS) Except as provided by the conditions of the stormwater management schedule and the water schedule of this environmental authority, the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the contamination of stormwater and prevent or minimise the release or likelihood of release of any such contaminated stormwater from the licensed place.

Stormwater Management Plan

(NS) By 31 March 1997, the holder of this environmental authority must prepare and submit Stormwater Management Plans for the licensed places which are acceptable to the administering authority.

(NS) The Stormwater Management Plan must provide detail on the works to be implemented and the timetable proposed to address the following issues:

- site plans showing grades, location of control measures, discharge points including settling basins their design / size etc., and
- minimisation of the amount of soil to be exposed or disturbed by staging works, and
- revegetation of exposed or disturbed areas, and
- installation of sediment control measures such as settling basins, and
- diversion of upstream runoff from exposed or disturbed areas.

(D4) The Stormwater Management Plan must be implemented by the holder of this environmental authority following its approval in writing by the administering authority.

Sediment and Erosion Control

(NS) Sedimentation pond(s) when provided during construction must be sufficient to adequately cater for the runoff over disturbed area draining to each pond.

(D77) All practical measures must be taken to prevent short-circuiting in the sedimentation pond(s) system.

Published on DES Disclosure Log
RTI Act 2009
CTPI 49-S

(D78) Sediment collected in sedimentation basin(s) must be removed whenever the volume of the basin is reduced by 30 percent, 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.

(D79) The outlet from the sedimentation pond(s) must be provided with a suitable baffle to at least 300 mm below the liquid surface so as to control the carryover of scum and floating matter.

(D81) Effective erosion and sediment controls must be provided and maintained during site clearing and construction of works. Such measures must include diversion drainage works and temporary sedimentation traps.

(NS) Surface water flows from all disturbed areas, including stockpile sites, must be directed to sediment control facilities.

(D86) Drainage through and from all trafficable areas and production activities must be designed to minimise surface flow velocities.

(D87) Erosion control and sediment control structures must be maintained at all times during the period of construction and checked, repaired or replaced as required after each rain event.

(NS) All sedimentation ponds installed on site must be designed to achieve a discharge quality (during normal stormwater events) acceptable to the administering authority.

(D89) The sediment retention pond must be maintained on the site throughout the construction phase and until all remaining disturbed areas are rehabilitated.

(D90) There must be no disturbance to, filling or obstruction of any part of a watercourse channel.

(NS) Flow retardation measures must be implemented as necessary to retard in stream peak storm flow velocity

End of conditions for schedule D

SCHEDULE E- LAND APPLICATION

Release of Contaminants to Land

(E1) Except as otherwise provided by the conditions of the land application schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to land.

End of conditions for schedule E

Published on DES Disclosure Log RTI Act 2009

CTPI 49-9

SCHEDULE F - NOISE

Emission of Noise

(F1) Except as otherwise provided by the conditions of the noise schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the emission or likelihood of emission of noise.

(NS) The emission of noise from all sources at the licensed place must accord with "Environmental Guidelines E3 - Noise from Extractive Industries".

(NS) Immediate action must be taken to effect noise control measures as directed by an Authorised Officer of the administering authority.

Blasting

(F18) Noise emanating from blasting operations must not exceed an over-pressure level of 115 dB (linear peak) for more than 5% of the total number of blasts when measured at any noise sensitive place or commercial place.

(NS) 73(2)Irrelevant

Published on DES Disclosure Log
RTI Act 2009

End of conditions for schedule F

SCHEDULE G - WASTE MANAGEMENT

General

(G1) Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.

(NS) Waste must not be burnt or allowed to burn on the licensed site or removed and burnt elsewhere unless burnt according to the requirements of the Department of Mines or permitted by an environmental authority.

Off Site Movement

(NS) Where regulated waste is removed from the licensed place (other than by release as permitted under another schedule of this environmental authority), the holder of this environmental authority must maintain Company developed waste tracking system or monitor and record the following:

(a) the date, quantity and type of waste removed; and

(b) name of the waste transporter and/or disposal operator that removed the waste; and

(c) the intended treatment/disposal destination of the waste.

(NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition).

(NS) Waste oil materials from the workshop (at Toowoomba site) must be contained in drums or transportable tanks within roofed areas for removal from the site.

(NS) All drums or other containers containing solvents must be stored in specified areas.

End of conditions for schedule G

Published on DES Disclosure Log RTI Act 2009

SCHEDULE H - SELF MONITORING AND REPORTING

Complaint Recording

(NS) All complaints received by the holder of this environmental authority relating to operations at the licensed place must be recorded in a form developed by the Company or in a log book with the following details:

(i) time and date 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.

Notification of Emergencies and Incidents

(H5) 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 environmental authority, the holder of this environmental authority must notify the administering authority of the release by telephone or facsimile.

CTPI 49-9

(H6) The notification emergencies or incidents as required by condition number (H5) must include but not be limited to the following:

(i) The holder of the environmental authority;
(ii) the location of the emergency or incident;
(iii) the number of the environmental authority;
(iv) the Name and telephone number of the designated contact person;
(iv) the time of the release;
(v) the time the holder of the environmental authority became aware of the release;
(vi) the suspected cause of the release;
(vii) the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; and
(viii) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.

(H11) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Department of Environment Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.

(H12) All determinations of the quality of contaminants released must be performed by a person or body acceptable to the Administering Authority.

(H13) Records must be kept of the results of all determinations of the quality of contaminants released to waters for a period of at least (1) years.

Noise Monitoring

(NS) In addition to monitoring at the frequency prescribed in the proposed IEMS, monitoring must also be undertaken to investigate any complaint of noise nuisance or upon receipt of a request from the administering authority to carry out such monitoring.

(H21) The method of measurement and reporting of noise levels must comply with the Department of Environment Noise Measurement Manual, second edition, March 1995, or more recent additions or supplements to that document as become available.

(H22) The method of measurement and reporting of noise levels must be undertaken by a person or body acceptable to the Administering Authority.

(H23) Records must be kept of the results of all monitoring of noise levels and other information required to be recorded in conjunction with such monitoring for a period of at least 12 months.

Sediment and Erosion Control on Construction Sites: Monitoring

(NS) All erosion and pollution control works must be inspected by the Company or its delegates in accordance with the approved Stormwater Management Plan.

End of conditions for schedule H

Published on DES Disclosure Log RTI Act 2009

CTPI 49-Sc

SCHEDULE I - APPROVED DOCUMENTS

(I1) The environmentally relevant activity must be constructed, operated and maintained in accordance with all undertakings of the environmental authority application and any other documents approved by the administering authority as set out in the Approved Documents Schedule.

(NS) In the event of any inconsistency arising between the undertakings of the environmental authority application or other approved documents as set out in the Approved Documents Schedule and the conditions of this environmental authority, the conditions of this environmental authority must apply.

For the purpose of this environmental authority "Integrated Environmental Management System" is an approved document (when it is approved);

End of conditions for schedule I

Published on DES Disclosure Log
RTI Act 2009

SCHEDULE J - DEFINITIONS

(J1) For the purposes of this environmental authority any term not otherwise defined in the Act and any subordinate legislation made pursuant to the Act or in the Definitions Schedule of this Environmental Authority has the meaning conferred to that term in its common usage.

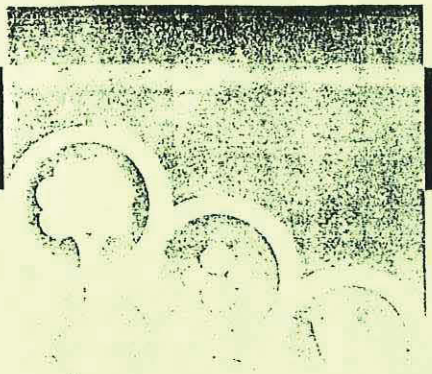
(J2) In the event of any inconsistency arising between the meaning of any term provided in the Definitions Schedule of this Environmental Authority and any common usage of that term, the meaning conferred in the Definitions Schedule of this environmental authority prevails.

(J3) "Act" means the Environmental Protection Act 1994.

(J4) "Administering Authority" means the Department of Environment.

(J5) "Land" means land excluding waters and the atmosphere.

End of conditions for schedule J



Noise from extractive industries

The removal of natural resources such as sand, rock, gravel and coal from ground-level sites is considered 'extractive industry'. The location of deposits predetermines sites. Because of this, land use control in the surrounding areas is very important in minimising their impact.

This guideline provides information for preventing and managing noise from extractive industry sites.

Noise sources

Noise is generated by quarrying equipment, haulage vehicles, crushing and screening plant and, intermittently, by blasting. The most significant sources and typical noise levels 30m away are shown in Table 1.

Table 2 shows noise levels taken at 250m from typical quarrying operations.

Typical complaints

Extractive industries adjacent to residential areas are often the source of complaints of noise from processing plant and trucks travelling to and from sites.

Residential development near existing extraction sites, new site development affecting residents, or expansion of an existing operation may lead to complaints. Often, complaints from residents living several hundred metres from sites are justified, especially when quarry operations begin as early as 6am when background noise levels are low.

Noise assessment

Reference should be made to the following Australian Standards:

- AS 1055.1-1984 and 1055.2-1984 *Acoustics – Description and Measurement of Environmental Noise: Part 1 - General Procedures* and *Part 2 - Application to Specific Situations.*
- AS 2659.1-1988 *Guide to the Use of Sound-Measuring Equipment: Part 1 - Portable Sound Level Meters.*
- AS 1259-1982 *Sound Level Meters.*

Estimating the severity of noise annoyance involves a comparison of the adjusted average maximum A-weighted sound pressure level, $L_{Amax\ adj,T}$, and the background sound pressure level, $L_{Abg,T}$, at a specific location. The greater the difference between $L_{Amax\ adj,T}$ and $L_{Abg,T}$, the greater the likelihood of annoyance.

Source	$L_{Amax\ adj,\ 15min}$ dB(A)
Dumping rocks in hoppers	86
Rock drilling	85
Trucks	81
Crushing	79
Front-end loader	76
Screening plant	74

Table 1: Typical noise levels at 30m from various sources.

Source	Noise levels at 250m $L_{Amax,\ 15min}$ dB(A)
Crushing and screening plant:	
Primary crusher	63*
Secondary crusher	57*
Screens	58
Rock drill	68*
Front-end loader:	
Engine/exhaust noise	55
Rocks in hopper	63*
Gravel in truck trays	51*
Haul trucks:	
Air starter	52
Engine/exhaust noise	61
Truck horn	55
Reversing beepers	55
Empty truck on site access road:	
Engine/exhaust noise	71
Tray rattle	54*
Exhaust brakes	68
Loaded product truck on access road:	
Engine/exhaust noise	70

Table 2: Noise levels at 250m from typical quarrying operations.

* No adjustments have been made for noise character, ie. impulsiveness or tonality; see text.

Published on DES Act 2003 Disclosure Log

T is a representative measuring period of not less than 15 minutes. In highly variable situations, the readings for several representative measuring periods may need to be arithmetically averaged.

Instruments should comply with the specifications for sound level meters Type 1 or Type 2 given in Australian Standard 1259-1982.

$L_{Abq,T}$ is obtained by using time-weighting 'F' (fast response) and arithmetically averaging the minimum readings measured in the absence of the noise under investigation during the time interval considered.

$L_{A90,T}$, the A-weighted sound pressure level obtained by using time-weighting 'F' exceeded for 90 per cent of the measuring period, is an approximate equivalent to $L_{Abq,T}$ and may be used instead.

$L_{Amax,T}$ is obtained by using time-weighting 'F' and arithmetically averaging the maximum levels of the offending noise during the time interval considered.

$L_{Amax\ adj,T}$ is obtained by making adjustments for tonality and impulsiveness to $L_{Amax,T}$. If for example tonality from motor humming or impulsiveness from hammering is just detectable, 2 dB(A) should be added to $L_{Amax,T}$. If tonality or impulsiveness is readily detectable, 5 dB(A) should be added. Adjustments are based on the authorised officer's subjective assessment. If adjustments are not required, $L_{Amax,T}$ becomes $L_{Amax\ adj,T}$.

Generally, measurements should be made outdoors and within the boundary of affected premises.

Recommended noise limits

Table 3 shows recommended noise limits for extractive industries according to when the noise occurs and the nature of affected premises.

The levels in Table 3 are desirable objectives. For new developments, they should, whenever practicable, be applied as the basis for approvals. For complaint situations, they can be used as targets for negotiating a solution.

Recommended limits are specified in terms of the $L_{Amax\ adj,T}$ and are based on a stated margin above the $L_{Abq,T}$. If for example noise from an extractive industry is affecting residential

Time periods	Noise limits on affected premises $L_{Amax\ adj,T}$ dB(A)	
	Residential premises	Non-residential premises
Monday to Friday 7am - 6pm Saturday 7am - 12 noon	$L_{Abq,T}$ + 5	$L_{Abq,T}$ +10
Monday to Saturday 6am - 7am Monday to Friday 6pm - 10pm Saturday 12 noon - 6pm	$L_{Abq,T}$ + 5	$L_{Abq,T}$ +10
All other times and public holidays	$L_{Abq,T}$	$L_{Abq,T}$ + 5

Table 3: Recommended noise limits.

premises and the $L_{Abq,T}$ during daylight hours is 45 dB(A), 5 dB(A) should be added to the $L_{Abq,T}$ to limit $L_{Amax\ adj,T}$ to 50 dB(A). If affected premises are non-residential, 10 dB(A) should be added to the $L_{Abq,T}$ to limit $L_{Amax\ adj,T}$ to 55 dB(A).

Table 4 specifies the range of background levels to be used with Table 3. If the measured $L_{Abq,T}$ is above the range, the upper limit of the appropriate range should be used. If the measured $L_{Abq,T}$ is below the specified range, the lower limit should be used to determine the recommended $L_{Amax\ adj,T}$ using Table 3. In this way unreasonably low or excessively high levels are avoided.

Noise control

New developments

Proper environmental and land use planning are important aspects in ensuring that extractive industries and residential development are well spaced. Residential development on or near reserves of natural resources should be avoided.

Buffer distances needed to ensure recommended noise limits are not exceeded will vary for individual sites. As a guide, several kilometres' separation may be required even for sites with substantial noise control measures. An acoustical consultant should be engaged to advise on the effectiveness of available buffer space and the need for further noise control measures. Some or all of the measures listed under 'complaint situations' could be required.

Local authorities can avoid potential conflicts between incompatible land uses such as extractive industry and residential development through appropriate planning.

Land containing resources can be designated 'extractive industry' with consent required for development. On-site signs can provide further information about the resource and its extent. Information can be given by local authorities to prospective developers and purchasers of residential or rural property in areas near or potentially affected by a future extractive use. Conditions requiring best practicable noise control can be placed on approvals for new extractive sites when noise may be a problem.

With good planning and prior expert advice, extractive industries can avoid the high cost of having to add noise control measures at a later stage.

Time periods	Range of $L_{Abq,T}$ in dB(A)
Monday to Friday 7am - 6pm Saturday 7am - 12 noon	40 - 50
Monday to Saturday 6am - 7am Monday to Friday 6pm - 10pm Saturday 12 noon - 6pm	35 - 45
All other times and public holidays	30 - 40

Table 4: Range of values for $L_{Abq,T}$

Published DPE Disclosure Log RTA 2009

R

Complaint situations

Apart from restricting hours of operation, actions to reduce noise levels and circumvent noise problems include:

- fitting vehicles, pneumatic rock drills and stand-by generators with high efficiency mufflers;
- locating crushing and screening plant and the heavy vehicle parking and maintenance areas to minimise noise to existing or future residential development;
- screening crushers and rock drills by using suitable barriers such as stockpiles of quarry material;
- using hydraulic rock drills whenever possible;
- lining rock/steel impact areas with resilient material such as heavy rubber;
- using rubber or synthetic screen cloths instead of steel;
- providing screens or enclosures around crushing plant;
- enclosing the primary crusher receiving 'boot';
- sealing and maintaining access roads in good condition; and
- using densely vegetated buffer areas.

Important note

This Department of Environment and Conservation publication contains observations, advice and recommendations. It is stressed that it is not a legal or statutory document and that the information it contains may not be applicable or appropriate in all cases.

Any person using the guideline remains responsible for complying with any applicable Act, Regulation, or By-law, and , in this regard, professional advice should be sought in each case before any action is taken.

Further information

Advice on aspects of this guideline or other matters relating to industrial and commercial noise and its control may be obtained from:

Department of Environment and Conservation
160 Ann Street
Brisbane

PO Box 155
North Quay Qld 4002

Telephone (07) 227 6422

Published on DES Disclosure Log
RTI Act 2009

R

Queensland
Department
of Environment

Environmental Protection Act 1994

Notice of Proposed Amendment to Licence

Section 50(2)

SW 001

Enquiries to: Kapila R Bogoda
Telephone: 076 394599
Your reference:
Our reference: 800607

CTPI 49-Sch4
GR Limited
18 Little Cribb Street
Milton Qld 4064

Dear CTPI 49-S

Re: Amendment of Licence No. 5-100-000-008 in respect of carrying out of Environmentally Relevant Activities (as given below) at Toowoomba and 73(2)Irreleva Quarries.

Toowoomba Quarry:

ERA 19(c) - 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 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 100 000t or more per year.

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 000t or more per year.

ERA 23 - Boiler making or engineering - commercial boiler making, electrical machine manufacturing or construction or assembly of vehicles, agricultural equipment or heavy machinery.

ERA 28 - Motor vehicle workshop - commercially servicing, repairing or maintaining motor vehicles or motor vehicle equipment, including engine tuning, engine reconditioning, radiator repairs and panel beating.

73(2)Irrelevant

Published on DES Disclosure Log
RTI Act 2009

73(2)Irrelevant

The administering authority plans to amend the real property descriptions of your Licence No 5-100-000--008 granted on 5 August 1996 under the Environmental Protection Act 1994.

The proposed amendments are made under the provisions of section 50(1), (b), (ii) and are as follows;

Exclude the following area from the real property description list for Toowoomba Quarry.

Toowoomba Quarry

Lot	Plan	Parish	County
8	RP 208160	Drayton	Aubigny
10	RP 208160	Drayton	Aubigny
1190	RP A342648	Drayton	Aubigny

The grounds for proposing the amendments are:

The land described under the above lot numbers has not been appropriately zoned and has not been designated as having lawful non-conforming use for extractive operations by the Jondaryan Shire Council. The area authorised under the environmental authority (licence) should reflect the current planning approvals by the respective local authority.

The facts and circumstances forming the basis for the grounds are:

The licence was issued based on the information supplied with the licence application which indicated that the land had been appropriately zoned and planning approval given for extraction activities by Jondaryan Shire Council. However the information received later by the Jondaryan Shire Council indicated that part of the land as described under above lot numbers has not been designated as having lawful non-conforming use and, appropriate planning approval has not been given by the Council. Hence, the environmental authority (licence) be amended to ensure that the area authorised in the licence has appropriate planning approvals by the local authority.

You are invited to make representations to the administering authority to show why you consider your licence should not be amended These representations must be made in writing and must be received by Regional Manager (Environment), Department of Environment, 158, Hume Street, Toowoomba, Qld 4350, before 21 November 1997.

Information relating to review of the decision or appeals under this Act is printed on the back of this notice.

CTPI 49-Sch4

signed .. ..

Mike Moller
Regional Manager (Environment)
Delegate of Administering Authority
Environmental Protection Act

date 17/10/97

Published on DES Disclosure Log
RTI Act 2009

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

202.(1) A dissatisfied person may apply for a review of an original decision.

(2) The application must-
(a) be made in the approved form to the administering authority within-
(i) 14 days after the day on which the person receives notice of the original decision or the administering authority is taken to have made the decision (the **"review date"**); or
(ii) the longer period the authority in special circumstances allows not later than the review date; and
(b) supported by enough information to enable the authority to decide the application.

(3) The applicant must give the following documents to the other persons who were given notice of the original decision-
(a) notice of the application (the **"review notice"**); and
(b) a copy of the application and supporting documents.

(4) The review notice must inform the recipient that submission on the application may be made to the administering authority within 7 days after the application is made to the authority.

(5) If the administering authority is satisfied the applicant has complied with subsection (2) and (3), the authority must-
(a) review the original decision; and
(b) make a decision (the **"review decision"**) to-
(i) confirm or revoke the original decision; or
(ii) vary the original decision in a way the administering authority considers appropriate.

(6) The application does not stay the original decision.

(7) The application must not be dealt with by-
(a) the person who made the original decision; or
(b) a person in a less senior office than the person who made the original decision.

(8) Within 14 days after making the decision, the administering authority must give written notice of the decision to the applicant and persons who were given notice of the original decision.

(9) The notice must-
(a) include the reasons for the review decision; and
(b) inform the person of their right of appeal against the decision.

(10) If the administering authority does not comply with subsection (8) within 14 days after receiving the application, the authority is taken to have made a decision at the end of the period confirming the original decision.

(11) Subsection (7) applies despite section 27A(7) of the *Acts Interpretation Act 1954.*

(12) This section does not apply to an original decision made by-
(a) for a matter, the administration and enforcement of which has been devolved to a local government - the local government itself or the chief executive officer of the local government personally; or
(b) for another matter-the chief executive personally.

Who may appeal

204.(1) A dissatisfied person who is dissatisfied with a review decision may appeal against the decision to the Court.
(2) The chief executive may appeal against another administering authority 's decision (whether an original or review decision) to the Court.
(3) A dissatisfied person who is dissatisfied with an original decision to which section 202 (Procedure for review) does not apply may appeal against the decision to the Court.

Published on DES Disclosure Log
RTI Act 2009

RSA No.: 255

REQUEST FOR STATUTORY APPROVAL - SOUTHWESTERN REGION

COVER SHEET

Type of Approval: Notice of Proposed Amendment to Licence

☑ Environmental Protection Act ☐ Noise Abatement Act

Name: CSR Limited

Address: 18, Little Gribb Street, Milton Qld 4064

File No.: 800 607 Contact Officer: K. Bogoda.

Network File: P:\@LICISSU\AMEND\BYDOE\CSRNOTIC.DOC

==========

☑ Approved ☐ Deferred ☐ Not Approved

Decision: That the notice be issued as attached.

CTPI 49-Sch4

Signature: Date: 17/10/97

==========

OFFICE USE

LICENCE ISSUE/REISSUE	
☐ Register updated (date of decision, memo to HO) ☐ Licence sent to applicant with letter ☐ Register updated (date of letter to applicant, licence No, final tick)	IF ALL TICKED RETURN FINAL COPIES TO DISTRICT OFFICE
RSA NOT REQUIRING LICENCE ISSUE/REISSUE	
☐ Letter sent to applicant ☐ Register updated (date of decision, letter to applicant, and final tick)	I F ALL TICKED, RETURN FINAL COPIES TO DISTRICT OFFICE

Published on DEC Disclosure Log RTI Act 2009

Licence No: 5-100-000-008

Environmental Authority (Licence) - Section 41, EPA

APPLICANT: CSR Limited
Trading as CSR READYMIX, THE READYMIX GROUP

FILE : 800607

An Environmental Authority (Licence) was issued to CSR Limited on 5 August 1996 to continue the operation of two quarries located at Euston Road, Toowoomba and at 73(2)Irrelevan 73(2)Irrelevant There are a number of ERA's, conducted at these quarry sites as given below;

Toowoomba Quarry

ERA 19(c) - Extraction of rock or other material -

ERA 21(c) - Screening etc, materials -

ERA 23 - Boiler making or engineering -

ERA 28 - Motor vehicle workshop -

73(2)Irrelevant

Published on DES Disclosure Log RTI Act 2009

The recommendations that were made to issue the licence was based on the information provided with the licence application and subsequent site visits to inspect quarry operations.

With reference to the Toowoomba Quarry, the documents supplied with the application indicated that the areas at Toowoomba Quarry have been appropriately zoned and planning approvals have been given by the Jondaryan Shire Council for extraction works. Accordingly, the real property descriptions, as they were listed in the application, were included in the licence so that the quarry operations could be continued on the subject property. However, the information received later from the Jondaryan Shire Council indicated that part of the land was not given appropriate zoning approvals by the Council.

A part of the land described under Schedule 1 below, has been designated as "Protected Use" and CSR Limited have been given an approval by the Jondaryan Shire Council to operate a crushing Plant on that land.

Schedule 1 Lot 698 on A 34452
Lot 699 on A 34452
Lot 1183 on A 342684
Lot 1 on RP 157339
Lot 2 on RP 157339
Parish of Drayton, County of Aubigny

R

However, the other part of the land as described in Schedule 2 below, has not been approved similarly by the council. Accordingiy, these portions of the land are not designated as having a lawful non-conforming use for extractive industry.

Schedule 2 Lot 1190 on A 342648
Lot 8 on RP 208160
Lot 10 on RP 208160
Parish of Drayton, County of Aubigny

Under the above circumstances it is considered that the information supplied with the licence application with regards to the planning approvals for Toowoomba Quarry site, are misleading. Under the Section 50 (1), (b), (ii) of the Environmental Protection Act 1994, the Administering Authority may amend a licence if it considers that the licence was issued on the basis of a materially false or misleading representation or declaration.

It is therefore recommended that the licence be amended to ensure that the activities authorised are closely reflected the current planning approvals. The land that is not given appropriate approval by the Jondaryan Shire Council be excluded. The real property description of the licence for Toowoomba Quarry is to be the land described under Schedule 1 above.

Recommendation
It is recommended that a notice be issued to CSR Limited under the Section 50(2) of the EPAct and the licence be amended to list real property descriptions (for Toowoomba Quarry) as given in the above Schedule 1. A copy of the licence is attached.

CTPI 49-Sch4

CTPI 49-Sch4 15/10/97

Kapila R Bogoda
Principal Environmental Officer
Southwestern Region

proposed amended Endorsed

CTPI 49-Sc

17/10/97

Published on DLGS Disclosure Log RTI Act 2009

Queensland
Department
of Environment

Environmental Protection Act 1994

Environmental Authority
Licence No: 5-100-000-008
Section 45(1)

Under the provisions of the *Environmental Protection Act 1994* this environmental authority is issued:

To: CSR Limited

Address: 18 Little Cribb Street
MILTON QLD 4064

in respect of the following environmentally relevant activities

Toowoomba Quarry:

ERA 19(c) - 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 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 100 000t or more per year.

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 000t or more per year.

ERA 23 - Boiler making or engineering - commercial boiler making, electrical machine manufacturing or construction or assembly of vehicles, agricultural equipment or heavy machinery.

ERA 28 - Motor vehicle workshop - commercially servicing, repairing or maintaining motor vehicles or motor vehicle equipment, including engine tuning, engine reconditioning, radiator repairs and panel beating.

73(2)Irrelevant

R

Published on DERM Disclosure Log
RTI Act 2009

73(2)Irrelevant

being carried out at premises described as

Toowoomba Quarry

Lot	Plan	Parish	County	Area
1183	RP A342648	Drayton	Aubigny	0.3098
698	RP A34452	Drayton	Aubigny	2.0234
699	RP A34452	Drayton	Aubigny	2.0234
2	RP 157339	Drayton	Aubigny	11.9000
1	RP 157339	Drayton	Aubigny	17.2800

73(2)Irrelevant

located at

Toowoomba Quarry : Euston Road, Toowoomba, Qld 4350

73(2)Irrelevant

This licence is granted, conditional upon the environmentally relevant activities being constructed, operated and maintained in accordance with:

(i) the undertakings of the application for the licence which are approved by the administering authority as set out in the attached schedule to this licence; and

(ii) the conditions of this environmental authority as set out in the schedule attached to this licence.

This Environmental Authority takes effect from the date of receipt of this document.

signed .....

Delegate of Administering Authority
Environmental Protection Act

Date .....

R

Published on DES Disclosure Log RTI Act 2009

This environmental authority 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 - Self Monitoring and Reporting

Schedule I - Approved Documents

Schedule J - Definitions

Published on DES Disclosure Log
RTI Act 2009

R

SCHEDULE A - GENERAL CONDITIONS

Compliance with Environmental Authority

(A1) Contaminants must not be released to the environment other than in accordance with this environmental authority.

(A2) The holder of this environmental authority must:

(a) install and operate all works and control equipment, and

(b) take all measures, perform all acts and do all things,

necessary to ensure compliance with the conditions of this environmental authority.

Display of Environmental Authority

(NS) A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity and be produced on demand to an authorised officer of the administering authority.

Records

(A4) Any record required to be kept by a condition of this environmental authority must be kept at the licensed place and be available for examination by an authorised person.

(A5) Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the Administering Authority on request.

Alterations

(A6) No change, replacement or operation of any plant or equipment is permitted if the change, alteration or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm or environmental nuisance.

Calibration

(A7) All instruments required under any condition of this environmental authority for the measurement of any parameter must be calibrated, operated and maintained in accordance with a protocol of the licensee's Accredited Quality Assurance System.

Integrated Environmental Management System

(A9) The Integrated Environmental Management System submitted with the application must be implemented by the holder of this environmental authority following its approval in writing by the administering authority.

R

End of conditions for schedule A

Published on DES Disclosure Log RTI Act 2009

SCHEDULE B- AIR

Release of Contaminants to the Atmosphere

(B1) Except as otherwise provided by the conditions of the air schedule of this environmental authority the environmentally relevant activity/activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to the atmosphere.

Dust Control

(B57) Water sprays must be installed and operated as necessary to minimise the release of dust and particulate matter to the atmosphere.

(B58) All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.

(B59) Trafficable areas must be sealed with bitumen or an equivalent hard surface ,or otherwise maintained to the satisfaction of the administering authority, in a condition which minimises the release of wind blown or traffic generated dust.

(B67) Temporary roads used for soil or raw material haulage must be watered or treated with a chemical dust suppressant at a rate adjusted to account for different evaporation rates and soil moisture content, to prevent wind-blown or traffic generated dust.

(NS) The premises must have appropriate signage to inform all the trucks entering and leaving the site to have tailgates securely fixed, load covered immeadiately after loading to prevent dust and spillage and to maintain the cover until immediately before unloading.

(B73) Completed areas must be stabilised by landscaping or revegetating as soon as practicable and to the satisfaction of the administering authority.

(B74) Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.

(B75) Access to areas awaiting or being rehabilitated must be restricted by suitable barriers to prevent disturbance of these areas.

Concrete

(B76) All stockpiles must be enclosed by walls on three sides and the stockpiles are to be kept at least 0.5 metres below the tops of the walls and at least 0.5 metres inside the open ends of the enclosures.

(B77) The filling of all silos must be controlled by automatic devices which prevent silos from being filled beyond their nominal capacity.

(B78) Silos which release contaminants to the atmosphere via a common fabric filter must not to be filled simultaneously.

(NS) 73(2)Irrelevant

R

Published on ITES Disclosure Log RTI Act 2009

End of conditions for schedule B

SCHEDULE C - WATER

(C1) Except as otherwise provided by the conditions of the water schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to waters.

(C2) Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except as permitted under the water schedule or the stormwater management schedule or to a sewer as permitted or otherwise agreed from time to time by the Local Government.

End of conditions for schedule C

SCHEDULE D -STORMWATER MANAGEMENT

General

(NS) Except as provided by the conditions of the stormwater management schedule and the water schedule of this environmental authority, the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the contamination of stormwater and prevent or minimise the release or likelihood of release of any such contaminated stormwater from the licensed place.

Stormwater Management Plan

(NS) By 31 March 1997, the holder of this environmental authority must prepare and submit Stormwater Management Plans for the licensed places which are acceptable to the administering authority.

(NS) The Stormwater Management Plan must provide detail on the works to be implemented and the timetable proposed to address the following issues:

- site plans showing grades, location of control measures, discharge points including settling basins their design / size etc., and
- minimisation of the amount of soil to be exposed or disturbed by staging works, and
- revegetation of exposed or disturbed areas, and
- installation of sediment control measures such as settling basins, and
- diversion of upstream runoff from exposed or disturbed areas.

(D4) The Stormwater Management Plan must be implemented by the holder of this environmental authority following its approval in writing by the administering authority.

Sediment and Erosion Control

Published on DES Disclosure Log
RTI Act 2009

R

(NS) Sedimentation pond(s) when provided during construction must be sufficient to adequately cater for the runoff over disturbed area draining to each pond.

(D77) All practical measures must be taken to prevent short-circuiting in the sedimentation pond(s) system.

(D78) Sediment collected in sedimentation basin(s) must be removed whenever the volume of the basin is reduced by 30 percent, 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.

(D79) The outlet from the sedimentation pond(s) must be provided with a suitable baffle to at least 300 mm below the liquid surface so as to control the carryover of scum and floating matter.

(D81) Effective erosion and sediment controls must be provided and maintained during site clearing and construction of works. Such measures must include diversion drainage works and temporary sedimentation traps.

(NS) Surface water flows from all disturbed areas, including stockpile sites, must be directed to sediment control facilities.

(D86) Drainage through and from all trafficable areas and production activities must be designed to minimise surface flow velocities.

(D87) Erosion control and sediment control structures must be maintained at all times during the period of construction and checked, repaired or replaced as required after each rain event.

(NS) All sedimentation ponds installed on site must be designed to achieve a discharge quality (during normal stormwater events) acceptable to the administering authority.

(D89) The sediment retention pond must be maintained on the site throughout the construction phase and until all remaining disturbed areas are rehabilitated.

(D90) There must be no disturbance to, filling or obstruction of any part of a watercourse channel.

(NS) Flow retardation measures must be implemented as necessary to retard in stream peak storm flow velocity

End of conditions for schedule D

SCHEDULE E- LAND APPLICATION

Release of Contaminants to Land

(E1) Except as otherwise provided by the conditions of the land application schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to land.

End of conditions for schedule E

R

Published on DES Disclosure Log
RTI Act 2009

Published on DES Disclosure Log
RTI Act 2009

R

SCHEDULE F - NOISE

Emission of Noise

(F1) Except as otherwise provided by the conditions of the noise schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the emission or likelihood of emission of noise.

(NS) The emission of noise from all sources at the licensed place must accord with "Environmental Guidelines E3 - Noise from Extractive Industries".

(NS) Immediate action must be taken to effect noise control measures as directed by an Authorised Officer of the administering authority.

Blasting

(F18) Noise emanating from blasting operations must not exceed an over-pressure level of 115 dB (linear peak) for more than 5% of the total number of blasts when measured at any noise sensitive place or commercial place.

(NS) 73(2)Irrelevant

Published on DES Disclosure Log RTI Act 2009

End of conditions for schedule F

SCHEDULE G - WASTE MANAGEMENT

General

(G1) Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.

(NS) Waste must not be burnt or allowed to burn on the licensed site or removed and burnt elsewhere unless burnt according to the requirements of the Department of Mines or permitted by an environmental authority.

R

Off Site Movement

(NS) Where regulated waste is removed from the licensed place (other than by release as permitted under another schedule of this environmental authority), the holder of this environmental authority must maintain Company developed waste tracking system or monitor and record the following:

(a) the date, quantity and type of waste removed; and

(b) name of the waste transporter and/or disposal operator that removed the waste; and

(c) the intended treatment/disposal destination of the waste.

(NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition).

(NS) Waste oil materials from the workshop (at Toowoomba site) must be contained in drums or transportable tanks within roofed areas for removal from the site.

(NS) All drums or other containers containing solvents must be stored in specified areas.

End of conditions for schedule G

Published on DES Disclosure Log
RTI Act 2009

SCHEDULE H - SELF MONITORING AND REPORTING

Complaint Recording

(NS) All complaints received by the holder of this environmental authority relating to operations at the licensed place must be recorded in a form developed by the Company or in a log book with the following details:

(i) time and date 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.

Notification of Emergencies and Incidents

(H5) 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 environmental authority, the holder of this environmental authority must notify the administering authority of the release by telephone or facsimile.

R

(H6) The notification emergencies or incidents as required by condition number (H5) must include but not be limited to the following:

(i) The holder of the environmental authority;
(ii) the location of the emergency or incident;
(iii) the number of the environmental authority;
(iv) the Name and telephone number of the designated contact person;
(iv) the time of the release;
(v) the time the holder of the environmental authority became aware of the release;
(vi) the suspected cause of the release;
(vii) the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; and
(viii) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.

(H11) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Department of Environment Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.

(H12) All determinations of the quality of contaminants released must be performed by a person or body acceptable to the Administering Authority.

(H13) Records must be kept of the results of all determinations of the quality of contaminants released to waters for a period of at least (1) years.

Noise Monitoring

(NS) In addition to monitoring at the frequency prescribed in the proposed IEMS, monitoring must also be undertaken to investigate any complaint of noise nuisance or upon receipt of a request from the administering authority to carry out such monitoring.

(H21) The method of measurement and reporting of noise levels must comply with the Department of Environment Noise Measurement Manual, second edition, March 1995, or more recent additions or supplements to that document as become available.

(H22) The method of measurement and reporting of noise levels must be undertaken by a person or body acceptable to the Administering Authority.

(H23) Records must be kept of the results of all monitoring of noise levels and other information required to be recorded in conjunction with such monitoring for a period of at least 12 months.

Sediment and Erosion Control on Construction Sites: Monitoring

(NS) All erosion and pollution control works must be inspected by the Company or its delegates in accordance with the approved Stormwater Management Plan.

End of conditions for schedule H

Published on DES Disclosure Log RTI Act 2009

R

SCHEDULE I - APPROVED DOCUMENTS

(I1) The environmentally relevant activity must be constructed, operated and maintained in accordance with all undertakings of the environmental authority application and any other documents approved by the administering authority as set out in the Approved Documents Schedule.

(NS) In the event of any inconsistency arising between the undertakings of the environmental authority application or other approved documents as set out in the Approved Documents Schedule and the conditions of this environmental authority, the conditions of this environmental authority must apply.

For the purpose of this environmental authority "Integrated Environmental Management System" is an approved document (when it is approved);

End of conditions for schedule I

Published on DES Disclosure Log
RTI Act 2009

SCHEDULE J - DEFINITIONS

(J1) For the purposes of this environmental authority any term not otherwise defined in the Act and any subordinate legislation made pursuant to the Act or in the Definitions Schedule of this Environmental Authority has the meaning conferred to that term in its common usage.

(J2) In the event of any inconsistency arising between the meaning of any term provided in the Definitions Schedule of this Environmental Authority and any common usage of that term, the meaning conferred in the Definitions Schedule of this environmental authority prevails.

(J3) "Act" means the Environmental Protection Act 1994.

(J4) "Administering Authority" means the Department of Environment.

(J5) "Land" means land excluding waters and the atmosphere.

End of conditions for schedule J

R

FAX

T R A N S M I T T A L

To: CTPI 49-Sch4

Fax No.: 07 33642857

FAXED 08/12/97

From: Kapila R Bogoda,
(Principal Environmental Officer)

Date: 8 December, 1997

Pages: 14 (including cover sheet)

Re: Environmental Authority (Licence) Application

Dear CTPI 49-Sch4

Further to our telephone discussion, I have attached a copy of the revised Draft Environmental Authority (licence) which includes proposed amendments, as we discussed.

Please note that some of the conditions have been re-numbered. This revision includes the changes to (or the addition of) the following conditions.

NS2, NS4, NS6, NS9, F3, F5, NS14, NS15, NS23, NS24, NS25, H14.

Please contact me on 0746 398342 if you have any queries or send your acceptance (or comments) to the conditions by fax or mail ASAP.

Regards.

CTPI 49-Sch4

Kapila Bogoda

Queensland
Department of
Environment

South West Queensland
Regional Office
PO Box 731
Toowoomba Q 4350

Phone: 076 398 342
Fax: 076 394 524

Published on DES Disclosure Log RTI Act 2009

Queensland
Department
of Environment

Environmental Protection Act 1994

Environmental Authority
Licence No: 5-100-000-008
Section 45(1)

Under the provisions of the *Environmental Protection Act 1994* this environmental authority is issued:

To: CSR Limited

Address: 18 Little Cribb Street
MILTON QLD 4064

in respect of the following environmentally relevant activities

Toowoomba Quarry:

ERA 19(c) - 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 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 100 000t or more per year.

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 000t or more per year.

ERA 23 - Boiler making or engineering - commercial boiler making, electrical machine manufacturing or construction or assembly of vehicles, agricultural equipment or heavy machinery.

ERA 28 - Motor vehicle workshop - commercially servicing, repairing or maintaining motor vehicles or motor vehicle equipment, including engine tuning, engine reconditioning, radiator repairs and panel beating.

73(2)Irrelevant

R

Published on DES Disclosure Log
RTI Act 2009

73(2)Irrelevant

being carried out at premises described as

Toowoomba Quarry

Lot	Plan	Parish	County	Area
1183	RP A342684	Drayton	Aubigny	0.3098
698	RP A34452	Drayton	Aubigny	2.0234
699	RP A34452	Drayton	Aubigny	2.0234
2	RP 157339	Drayton	Aubigny	11.9000
1	RP 157339	Drayton	Aubigny	17.2800

73(2)Irrelevant

located at

Toowoomba Quarry : Euston Road, Toowoomba, Qld 4350

73(2)Irrelevant

This licence is granted, conditional upon the environmentally relevant activities being constructed, operated and maintained in accordance with:

(i) the undertakings of the application for the licence which are approved by the administering authority as set out in the attached schedule to this licence; and

(ii) the conditions of this environmental authority as set out in the schedule attached to this licence.

This Environmental Authority takes effect from the date of receipt of this document.

signed .....

Delegate of Administering Authority
Environmental Protection Act

Date .....

R

Published on DES Disclosure Log RTI Act 2009

This environmental authority 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 - Self Monitoring and Reporting

Schedule J - Definitions

Published on DES Disclosure Log
RTI Act 2009

R

SCHEDULE A - GENERAL CONDITIONS

Compliance with Environmental Authority

(A1) Contaminants must not be released to the environment other than in accordance with this environmental authority.

(A2) The holder of this environmental authority must:

(a) install and operate all works and control equipment, and

(b) take all measures, perform all acts and do all things,

necessary to ensure compliance with the conditions of this environmental authority.

Display of Environmental Authority

(NS1) A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity and be produced on demand to an authorised officer of the administering authority.

Records

(A4) Any record required to be kept by a condition of this environmental authority must be kept at the licensed place and be available for examination by an authorised person.

(A5) Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the Administering Authority on request.

Alterations

(A6) No change, replacement or operation of any plant or equipment is permitted if the change, alteration or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm or environmental nuisance.

Calibration

(A7) All instruments required under any condition of this environmental authority for the measurement of any parameter must be calibrated, operated and maintained in accordance with a protocol of the licensee's Accredited Quality Assurance System.

Integrated Environmental Management System

(NS2) By 31 March 1998, the holder of this environmental authority must implement the Integrated Environmental Management System submitted with the application.

End of conditions for schedule A

R

Published on DES Disclosure Log RTI Act 2009

SCHEDULE B- AIR

Release of Contaminants to the Atmosphere

(B1) Except as otherwise provided by the conditions of the air schedule of this environmental authority the environmentally relevant activity/activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to the atmosphere.

Dust Control

(B57) Water sprays must be installed and operated as necessary to minimise the release of dust and particulate matter to the atmosphere.

(B58) All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.

(B59) Trafficable areas must be sealed with bitumen or an equivalent hard surface ,or otherwise maintained to the satisfaction of the administering authority, in a condition which minimises the release of wind blown or traffic generated dust.

(B67) Temporary roads used for soil or raw material haulage must be watered or treated with a chemical dust suppressant at a rate adjusted to account for different evaporation rates and soil moisture content, to prevent wind-blown or traffic generated dust.

(NS3) The premises must have appropriate signage to inform all the trucks entering and leaving the site to have tailgates securely fixed, load covered immediately after loading to prevent dust and spillage and to maintain the cover until immediately before unloading.

(B73) Completed areas must be stabilised by landscaping or revegetating as soon as practicable and to the satisfaction of the administering authority.

(B74) Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.

(B75) Access to areas awaiting or being rehabilitated must be restricted by suitable barriers to prevent disturbance of these areas.

Concrete Plant

(B76) All stockpiles must be enclosed by walls on three sides and the stockpiles are to be kept at least 0.5 metres below the tops of the walls and at least 0.5 metres inside the open ends of the enclosures.

(NS4) The filling of all silos including those at quarries must be controlled by automatic devices which prevent silos from being filled beyond their nominal capacity.

(B78) Silos which release contaminants to the atmosphere via a common fabric filter must not to be filled simultaneously.

(NS5) 73(2)Irrelevant

R

End of conditions for schedule B

Published on DES Disclosure Log RTI Act 2009

SCHEDULE C - WATER

(C1) Except as otherwise provided by the conditions of the water schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to waters.

(C2) Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except as permitted under the water schedule or the stormwater management schedule or to a sewer as permitted or otherwise agreed from time to time by the Local Government.

End of conditions for schedule C

SCHEDULE D -STORMWATER MANAGEMENT

General

(NS6) Except as provided by the conditions of the stormwater management schedule and the water schedule of this environmental authority, the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the contamination of stormwater and prevent or minimise the release or likelihood of release of any such contaminated stormwater from the licensed place.

Stormwater Management Plan

(NS7) By **30 January 1998**, the holder of this environmental authority must prepare and submit Stormwater Management Plans for both quarries which are acceptable to the administering authority.

(NS8) The Stormwater Management Plan must provide detail on the works to be implemented and the timetable proposed to address the following issues:

- site plans showing grades, location of control measures, discharge points including settling basins their design / size etc., and
- minimisation of the amount of soil to be exposed or disturbed by staging works, and
- revegetation of exposed or disturbed areas, and
- installation of sediment control measures such as settling basins, and
- diversion of upstream runoff from exposed or disturbed areas.

(NS9) By **27 February 1998**, the holder of this environmental authority must commence the implementation of stormwater management plans for both Toowoomba and 73(2)Irrelevan Quarries.

Sediment and Erosion Control

(NS10) Sedimentation pond(s) when provided during construction must be sufficient to adequately cater for the runoff over disturbed area draining to each pond.

R

Published on DES Disclosure Log
PPI Act 2009

(D77) All practical measures must be taken to prevent short-circuiting in the sedimentation pond(s) system.

(D78) Sediment collected in sedimentation basin(s) must be removed whenever the volume of the basin is reduced by 30 percent, 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.

(D79) The outlet from the sedimentation pond(s) must be provided with a suitable baffle to at least 300 mm below the liquid surface so as to control the carryover of scum and floating matter.

(D81) Effective erosion and sediment controls must be provided and maintained during site clearing and construction of works. Such measures must include diversion drainage works and temporary sedimentation traps.

(NS11) Surface water flows from all disturbed areas, including stockpile sites, must be directed to sediment control facilities.

(D86) Drainage through and from all trafficable areas and production activities must be designed to minimise surface flow velocities.

(D87) Erosion control and sediment control structures must be maintained at all times during the period of construction and checked, repaired or replaced as required after each rain event.

(NS12) All sedimentation ponds installed on site must be designed to achieve a discharge quality (during normal stormwater events) acceptable to the administering authority.

(D89) The sediment retention pond must be maintained on the site throughout the construction phase and until all remaining disturbed areas are rehabilitated.

(D90) There must be no disturbance to, filling or obstruction of any part of a watercourse channel.

(NS13) Flow retardation measures must be implemented as necessary to retard in stream peak storm flow velocity

End of conditions for schedule D

SCHEDULE E- LAND APPLICATION

Release of Contaminants to Land

(E1) Except as otherwise provided by the conditions of the land application schedule of this environmental authority the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to land.

End of conditions for schedule E

Published on DES Disclosure Log RTI Act 2009

SCHEDULE F - NOISE

Emission of Noise

(F3) In the event of a complaint about noise that the administering authority considers is reasonable, then the emission of noise from the activity must not result in levels greater than those specified in Table 1 of the Noise Schedule until the circumstances which gave rise to the complaint are resolved.

SCHEDULE F TABLE 1

Time Periods	Noise limits on an affected premises $L_{amax\ adj,\ T}$ dB(A)	
	Residential premises	Non-residential premises
Monday to Friday 7am - 10pm and Saturday 6am - 12 noon	Background level + 5	Background level + 10
All other times and public holidays	Background level	Background level + 5

(F5) The value of background level to be used in conjunction with the noise criteria in Table 1 above is to be obtained from Table 2 below using the following methodology.

(i) If the measured background level is above the upper limit of the appropriate range, the upper limit of the appropriate range must be used.

(ii) If the measured background level is below the lower limit of the appropriate range, the lower limit of the appropriate range must be used.

(iii) If the measured background level is within the appropriate range, then the measured value must be used.

SCHEDULE F TABLE 2

Range of Values of Background to be Used in Conjunction with Noise Criteria in Table 1

Time Period	*Range of Background Levels dB(A)*
Monday to Friday 7am - 6pm and Saturday 7am - 12 noon	40 - 50
Monday to Saturday 7am - 7am Monday to Friday 6pm - 10 pm Saturday 12 noon - 6pm	35 - 45
All other times and public holidays	30 - 40

Blasting

(NS14) Noise from blasting operations must not exceed the airblast overpressure 115dB (Lin) Peak for 4 out of any 5 consecutive blasts, measured at the affected noise sensitive place.

(NS15) Ground vibration caused by blasting operations must not exceed 25 millimetres per second (for vibrations of more than 35 Hz) and 10 millimetres per second (for vibrations of not more than 35 Hz), peak particle velocity.

End of conditions for schedule F

R

Published on DES Disclosure Log RTI Act 2009

SCHEDULE G - WASTE MANAGEMENT

General

(G1) Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.

(NS16) Waste must not be burnt or allowed to burn on the licensed site or removed and burnt elsewhere unless burnt according to the requirements of the Department of Mines or permitted by an environmental authority.

Off Site Movement

(NS17) Where regulated waste is removed from the licensed place (other than by release as permitted under another schedule of this environmental authority), the holder of this environmental authority must maintain Company developed waste tracking system or monitor and record the following:

(a) the date, quantity and type of waste removed; and

(b) name of the waste transporter and/or disposal operator that removed the waste; and

(c) the intended treatment/disposal destination of the waste.

(NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition).

(NS18) Waste oil materials from the workshop (at Toowoomba site) must be contained in drums or transportable tanks within roofed areas for removal from the site.

(NS19) All drums or other containers containing solvents must be stored in specified areas.

Published on DES Disclosure Log
RTI Act 2009

End of conditions for schedule G

SCHEDULE H - SELF MONITORING AND REPORTING

Complaint Recording

(NS20) All complaints received by the holder of this environmental authority relating to operations at the licensed place must be recorded in a form developed by the Company or in a log book with the following details:

(i) time and date 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

R

(vi) action taken as a result of the complaint investigation and signature of responsible person.

Notification of Emergencies and Incidents

(H5) 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 environmental authority, the holder of this environmental authority must notify the administering authority of the release by telephone or facsimile.

(H6) The notification emergencies or incidents as required by condition number (H5) must include but not be limited to the following:

(i) The holder of the environmental authority;
(ii) the location of the emergency or incident;
(iii) the number of the environmental authority;
(iv) the Name and telephone number of the designated contact person;
(iv) the time of the release;
(v) the time the holder of the environmental authority became aware of the release;
(vi) the suspected cause of the release;
(vii) the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; and
(viii) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.

(H11) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Department of Environment Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.

(H12) All determinations of the quality of contaminants released must be performed by a person or body acceptable to the Administering Authority.

(H13) Records must be kept of the results of all determinations of the quality of contaminants released to waters for a period of at least (1) years.

Noise Monitoring

(NS21) For the purposes of checking compliance with condition **F3,** monitoring and recording of the noise levels from the activities must be undertaken for the following descriptions, characteristics and conditions:

(a) $L_{Amax, Adj T}$;
(b) $L_{Abg, T}$ or $L_{A90, T}$;
(c) The level and frequency of occurrence of impulsive or tonal noise;
(d) over-pressure level dB (linear peak) ;
(e) Atmospheric conditions including temperature, relative humidity and wind speed and direction; and
(f) Effects due to extraneous factors such as traffic noise.

R

Published on DES Disclosure Log
RTI Act 2009

Noise monitoring is to be undertaken at least twice a year and, to investigate any complaint of noise nuisance or upon receipt of a request from the administering authority.

(H21) The method of measurement and reporting of noise levels must comply with the Department of Environment Noise Measurement Manual, second edition, March 1995, or more recent additions or supplements to that document as become available.

(H22) The method of measurement and reporting of noise levels must be undertaken by a person or body acceptable to the Administering Authority.

(H23) Records must be kept of the results of all monitoring of noise levels and other information required to be recorded in conjunction with such monitoring for a period of at least 12 months.

Sediment and Erosion Control on Construction Sites: Monitoring

(NS22) All erosion and pollution control works must be inspected by the Company or its delegates in accordance with the Stormwater Management Plan.

Monitoring of contaminant releases to the atmosphere

(NS23) The holder of this environmental authority must conduct and keep records of monitoring of dust deposition at minimum of four locations for both Toowoomba and 73(2)Irreleva Quarries. Monitoring should comply with the following:

(a) Monitoring locations should be acceptable to the administering Authority.

(b) Dust deposition monitoring is to be carried out according to AS 3580.10.1 or any other standards agreeable to the administering authority.

(c) All monitoring must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.

(d) where practicable samples taken must be representative of the contaminants discharged when emissions are expected to be **normal,**

(e) during the sampling period the following additional information must be gathered; production rate, equipment operating, product made, etc.

(f) Monitoring is to be carried out every three months.

Published on DES Disclosure Log
RTI Act 2009

R

Monitoring of water

(NS24) The holder of this environmental authority must conduct and keep records of monitoring of water quality in sedimentation ponds.

(NS25) Water quality monitoring is to be carried out at six monthly interval for the first 24 month period and thereafter once a year for the following parameters:

- Colour
- pH
- Suspended particulate matter
- Total dissolved solids

Ambient Monitoring

(NS26) By **31 March 1998**, the holder of this environmental authority shall develop an ambient monitoring and reporting program for dust, to monitor the impacts of the licensed activities on the receiving environment.

Report Submission

(H14) The holder of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority for the period covered by the return are submitted with the Annual Return.

End of conditions for schedule H

SCHEDULE J - DEFINITIONS

(J1) For the purposes of this environmental authority any term not otherwise defined in the Act and any subordinate legislation made pursuant to the Act or in the Definitions Schedule of this Environmental Authority has the meaning conferred to that term in its common usage.

(J2) In the event of any inconsistency arising between the meaning of any term provided in the Definitions Schedule of this Environmental Authority and any common usage of that term, the meaning conferred in the Definitions Schedule of this environmental authority prevails.

(J3) "Act" means the Environmental Protection Act 1994.

(J4) "Administering Authority" means the Department of Environment.

(J5) "Land" means land excluding waters and the atmosphere.

Noise Definitions.

(J6) "$L_{Amax\ adj,T}$" 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.

Published on DES Disclosure Log RTI Act 2009

R

(J7) "Background noise level" means either:

$L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than 15 minutes, using Fast response, or

$L_{Abg,T}$ being the arithmetic average of the minimum readings measured in the absence of the noise under investigation during a representative time period of not less than 15 minutes, using Fast response.

(J8) "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.

(J9) "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 public park or gardens.

(J10) "commercial place" means a place used as an office or for business or commercial purposes.

End of conditions for schedule J

Published on DES Disclosure Log RTI Act 2009

R

QUEENSLAND GOVERNMENT

Department of Environment

Southwestern Regional Centre • 158 Hume Street, Toowoomba Qld 4350
PO Box 731 TOOWOOMBA QLD 4350 • Telephone (076) 39 4599 Facsimile (076) 39 4524

Enquiries to Kapila Bogoda
Telephone (07) 46 394 599
Your reference
Our reference 09 FEB 1998

CSR Limited
18 Little Cribb Street
MILTON QLD 4064

Attention: CTPI 49-Sch4

Dear Sir

I refer to the amendments made to your Environmental Authority No. 5-100-000-008.

I wish to advise that approval has been granted subject to the attached conditions. Enclosed is your certificate for your records. Please note that this licence cancels any existing licences that you may currently have in your possession.

Information relating to a review of the decision or appeals under this Act is printed at the back of this letter.

Yours sincerely

CTPI 49-Sch4

for Mike Harris
Regional Director
Southwestern Region

Published on DES Disclosure Log
RTI Act 2009

Queensland
Department
of Environment

Environmental Protection Act 1994

Licence No. 5-100-000-008

Section 45(1)

Under the provisions of the *Environmental Protection Act 1994* this environmental authority is issued:

To: CSR Limited

Address: 18 Little Cribb Street
MILTON QLD 4064

in respect of carrying out the environmentally relevant activities at the following places:

Toowoomba Quarry:

ERA 19(c) - 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 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 100 000t or more per year.

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 000t or more per year.

ERA 23 - Boiler making or engineering - commercial boiler making, electrical machine manufacturing or construction or assembly of vehicles, agricultural equipment or heavy machinery.

ERA 28 - Motor vehicle workshop - commercially servicing, repairing or maintaining motor vehicles or motor vehicle equipment, including engine tuning, engine reconditioning, radiator repairs and panel beating.

73(2)Irrelevant

Published on DERM Disclosure Log
RTI 2009

CSR Limited
T/A CSR Readymix, The Readymix Group
ACN 000 001 276

Env Auth # 5-100-000-008

ERA			
19(c) Extraction 28 Motor Vehicle Workshop	21(c) Crushing, Screening	23 Boiler Making 60 Concrete Batching	

73(2)Irrelevant

being carried out at premises described as

Toowoomba Quarry

Lot	Plan	Parish	County	Area
1183	RP A342684	Drayton	Aubigny	0.3098
698	RP A34452	Drayton	Aubigny	2.0234
699	RP A34452	Drayton	Aubigny	2.0234
2	RP 157339	Drayton	Aubigny	11.9000
1	RP 157339	Drayton	Aubigny	17.2800

73(2)Irrelevant

located at

Toowoomba Quarry : Euston Road, Toowoomba, Qld 4350

73(2)Irrelevant

This environmental authority is issued subject to the conditions set out in the schedules attached to this environmental authority.

This licence takes effect from 2/3/98

CTPI 49-Sch4

signed .....

Mike Moller
Regional Manager (Environment)
Delegate of Administering Authority
Environmental Protection Act 1994

date 9/2/98

Published on DES Disclosure Log
RTI Act 2009

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

202.(1) A dissatisfied person may apply for a review of an original decision.

(2) The application must-
- (a) be made in the approved form to the administering authority within-
  - (i) 14 days after the day on which the person receives notice of the original decision or the administering authority is taken to have made the decision (the **"review date"**); or
  - (ii) the longer period the authority in special circumstances allows not later than the review date; and
- (b) be supported by enough information to enable the authority to decide the application.

(3) The applicant must give the following documents to the other persons who were given notice of the original decision-
- (a) notice of the application (the **"review notice"**); and
- (b) a copy of the application and supporting documents.

(4) The review notice must inform the recipient that submission on the application may be made to the administering authority within 7 days after the application is made to the authority.

(5) If the administering authority is satisfied the applicant has complied with subsection (2) and (3), the authority must-
- (a) review the original decision; and
- (b) make a decision (the **"review decision"**) to-
  - (i) confirm or revoke the original decision; or
  - (ii) vary the original decision in a way the administering authority considers appropriate.

(6) The application does not stay the original decision.

(7) The application must not be dealt with by-
- (a) the person who made the original decision; or
- (b) a person in a less senior office than the person who made the original decision.

(8) Within 14 days after making the decision, the administering authority must give written notice of the decision to the applicant and persons who were given notice of the original decision.

(9) The notice must-
- (a) include the reasons for the review decision; and
- (b) inform the person of their right of appeal against the decision.

(10) If the administering authority does not comply with subsection (8) within 14 days after receiving the application, the authority is taken to have made a decision at the end of the period confirming the original decision.

(11) Subsection (7) applies despite section 27A(7) of the *Acts Interpretation Act 1954*.

(12) This section does not apply to an original decision made by-
- (a) for a matter, the administration and enforcement of which has been devolved to a local government - the local government itself or the chief executive officer of the local government personally; or
- (b) for another matter-the chief executive personally.

Who may appeal

204.(1) A dissatisfied person who is dissatisfied with a review decision may appeal against the decision to the Court.

(2) The chief executive may appeal against another administering authority 's decision (whether an original or review decision) to the Court.

(3) A dissatisfied person who is dissatisfied with an original decision to which section 202 (Procedure for review) does not apply may appeal against the decision to the Court.

Published on ES Disclosure Log RTI Act 2009

R

This environmental authority 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 - Self Monitoring and Reporting

Schedule J - Definitions

Published on DES Disclosure Log
RTI Act 2009

CTPI 49-

SCHEDULE A - GENERAL CONDITIONS

Display of Environmental Authority

(NS1) A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity and be produced on demand to an authorised officer of the administering authority.

Records

(A4) Any record required to be kept by a condition of this environmental authority must be kept at the licensed place and be available for examination by an authorised person.

(A5) Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the Administering Authority on request.

Alterations

(A6) No change, replacement or operation of any plant or equipment is permitted if the change, alteration or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm or environmental nuisance.

→ Add the claase " An exemple of a substantial increase ... 10%.

Calibration

(A7) All instruments required under any condition of this environmental authority for the measurement of any parameter must be calibrated, operated and maintained in accordance with a protocol of the licensee's Accredited Quality Assurance System.

Integrated Environmental Management System

(NS2) **By 31 March 1998**, the holder of this environmental authority must implement the Integrated Environmental Management System submitted with the application.

End of Conditions for Schedule A

SCHEDULE B- AIR

Release of Contaminants to the Atmosphere

(B1) Except as otherwise provided by the conditions of the air schedule of this environmental authority the environmentally relevant activity/activities must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to the atmosphere.

Dust Control

(B57) Water sprays must be installed and operated as necessary to minimise the release of dust and particulate matter to the atmosphere.

(B58) All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.

Published on DES Disclosure Log RTI Act 2009

(B59) Trafficable areas must be sealed with bitumen or an equivalent hard surface ,or otherwise maintained to the satisfaction of the administering authority, in a condition which minimises the release of wind blown or traffic generated dust.

(B67) Temporary roads used for soil or raw material haulage must be watered or treated with a chemical dust suppressant at a rate adjusted to account for different evaporation rates and soil moisture content, to prevent wind-blown or traffic generated dust.

(NS3) The premises must have appropriate signage to inform all the trucks entering and leaving the site to have tailgates securely fixed, load covered immediately after loading to prevent dust and spillage and to maintain the cover until immediately before unloading.

(B73) Completed areas must be stabilised by landscaping or revegetating as soon as practicable and to the satisfaction of the administering authority.

(B74) Rehabilitation must be carried out in such a manner as to minimise releases of wind-blown dust and erosion.

(B75) Access to areas awaiting or being rehabilitated must be restricted by suitable barriers to prevent disturbance of these areas.

Concrete Plant

(B76) All stockpiles must be enclosed by walls on three sides and the stockpiles are to be kept at least 0.5 metres below the tops of the walls and at least 0.5 metres inside the open ends of the enclosures.

(NS4) The filling of all silos including those at quarries must be controlled by automatic devices which prevent silos from being filled beyond their nominal capacity.

(B78) Silos which release contaminants to the atmosphere via a common fabric filter must not to be filled simultaneously.

(NS5) 73(2)Irrelevant

Published on DES Disclosure Log
RTI Act 2009

End of Conditions for Schedule B

SCHEDULE C - WATER

(C2) Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except as permitted under the water schedule or the stormwater management schedule or to a sewer as permitted or otherwise agreed from time to time by the Local Government.

End of Conditions for Schedule C

SCHEDULE D -STORMWATER MANAGEMENT

General

(NS6) Except as provided by the conditions of the stormwater management schedule and the water schedule of this environmental authority, the environmentally relevant activities must be carried out by such practicable means necessary to prevent or minimise the contamination of stormwater and prevent or minimise the release or likelihood of release of any such contaminated stormwater from the licensed place.

Stormwater Management Plan

(NS7) By **27 February 1998**, the holder of this environmental authority must prepare and submit Stormwater Management Plans for both quarries which are acceptable to the administering authority.

(NS8) The Stormwater Management Plan must provide detail on the works to be implemented and the timetable proposed to address the following issues:

- site plans showing grades, location of control measures, discharge points including settling basins their design / size etc., and
- minimisation of the amount of soil to be exposed or disturbed by staging works, and
- revegetation of exposed or disturbed areas, and
- installation of sediment control measures such as settling basins, and
- diversion of upstream runoff from exposed or disturbed areas.

(NS9) By **31 March 1998**, the holder of this environmental authority must commence the implementation of stormwater management plans for both Toowoomba and Quarries. 73(2)Irrelevar

Published on DES Disclosure Log
RTI Act 2009

Sediment and Erosion Control

(NS10) Sedimentation pond(s) when provided during construction must be sufficient to adequately cater for the runoff over disturbed area draining to each pond.

(D77) All practical measures must be taken to prevent short-circuiting in the sedimentation pond(s) system.

(D78) Sediment collected in sedimentation basin(s) must be removed whenever the volume of the basin is reduced by 30 percent, 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.

(D79) The outlet from the sedimentation pond(s) must be provided with a suitable baffle to at least 300 mm below the liquid surface so as to control the carryover of scum and floating matter.

(D81) Effective erosion and sediment controls must be provided and maintained during site clearing and construction of works. Such measures must include diversion drainage works and temporary sedimentation traps.

(NS11) Surface water flows from all disturbed areas, including stockpile sites, must be directed to sediment control facilities.

(D86) Drainage through and from all trafficable areas and production activities must be designed to minimise surface flow velocities.

(D87) Erosion control and sediment control structures must be maintained at all times during the period of construction and checked, repaired or replaced as required after each rain event.

(NS12) All sedimentation ponds installed on site must be designed to achieve a discharge quality (during normal stormwater events) acceptable to the administering authority.

(D89) The sediment retention pond must be maintained on the site throughout the construction phase and until all remaining disturbed areas are rehabilitated.

(D90) There must be no disturbance to, filling or obstruction of any part of a watercourse channel.

(NS13) Flow retardation measures must be implemented as necessary to retard in stream peak storm flow velocity.

End of Conditions for Schedule D

SCHEDULE E- LAND APPLICATION

No conditions are specified for this schedule.

End of Conditions for Schedule E

SCHEDULE F - NOISE

(NS14) The emission of noise from the licensed activities shall confirm to the contents of the *Environmental Protection (Noise) Policy 1997.*

End of Conditions for Schedule F

SCHEDULE G - WASTE MANAGEMENT

General

(G1) Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this environmental authority.

(NS15) Waste must not be burnt or allowed to burn on the licensed site or removed and burnt elsewhere unless burnt according to the requirements of the Department of Mines or permitted by an environmental authority.

Off Site Movement

(NS16) Where regulated waste is removed from the licensed place (other than by release as permitted under another schedule of this environmental authority), the holder of this environmental

Published on DES Disclosure Log RTI Act 2009

authority must maintain Company developed waste tracking system or monitor and record the following:

(a) the date, quantity and type of waste removed; and

(b) name of the waste transporter and/or disposal operator that removed the waste; and

(c) the intended treatment/disposal destination of the waste.

(NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition).

(NS17) Waste oil materials from the workshop (at Toowoomba site) must be contained in drums or transportable tanks within roofed areas for removal from the site.

(NS18) All drums or other containers containing solvents must be stored in specified areas.

End of Conditions for Schedule G

SCHEDULE H - SELF MONITORING AND REPORTING

Complaint Recording

(NS19) All complaints received by the holder of this environmental authority relating to operations at the licensed place must be recorded in a form developed by the Company or in a log book with the following details:

(i) time and date 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.

Notification of Emergencies and Incidents

(H5) 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 environmental authority, the holder of this environmental authority must notify the administering authority of the release by telephone or facsimile.

(H6) The notification emergencies or incidents as required by condition number (H5) must include but not be limited to the following:

(i) The holder of the environmental authority;
(ii) the location of the emergency or incident;
(iii) the number of the environmental authority;
(iv) the Name and telephone number of the designated contact person;
(iv) the time of the release;
(v) the time the holder of the environmental authority became aware of the release;

Published on DES Disclosure Log
RTI Act 2009

(vi) the suspected cause of the release;
(vii) the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; and
(viii) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.

(H11) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Department of Environment Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.

(H12) All determinations of the quality of contaminants released must be performed by a person or body acceptable to the Administering Authority.

(H13) Records must be kept of the results of all determinations of the quality of contaminants released to waters for a period of at least (1) years.

Noise Monitoring

(NS20) For the purposes of checking compliance with condition **NS 14,** monitoring and recording of the noise levels from the activities must be undertaken at least twice a year and, to investigate any complaint of noise nuisance or upon receipt of a request from the administering authority.

(H21) 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.

(H22) The method of measurement and reporting of noise levels must be undertaken by a person or body acceptable to the Administering Authority.

(H23) Records must be kept of the results of all monitoring of noise levels and other information required to be recorded in conjunction with such monitoring for a period of at least 12 months.

Sediment and Erosion Control on Construction Sites: Monitoring

(NS21) All erosion and pollution control works must be inspected by the Company or its delegates in accordance with the Stormwater Management Plan.

Monitoring of contaminant releases to the atmosphere

(NS22) The holder of this environmental authority must conduct and keep records of monitoring of dust deposition at minimum of four locations for both Toowoomba and 73(2)Irreleva Quarries. Monitoring should comply with the following:

(a) Monitoring locations should be acceptable to the administering Authority.

(b) Dust deposition monitoring is to be carried out according to AS 3580.10.1 or any other standards agreeable to the administering authority.

(c) All monitoring must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.

Published on DEC Disclosure Log
RTI Act 2009

(d) where practicable samples taken must be representative of the contaminants discharged when emissions are expected to be **normal,**

(e) during the sampling period the following additional information must be gathered; production rate, equipment operating, product made, etc.

(f) Monitoring is to be carried out every three months.

Monitoring of water

(NS23) The holder of this environmental authority must conduct and keep records of monitoring of water quality in sedimentation ponds.

(NS24) Water quality monitoring is to be carried out at six monthly interval for the first 24 month period and thereafter once a year for the following parameters:

- Colour
- pH
- Suspended particulate matter
- Electrical conductivity

Ambient Monitoring

(NS25) By **31 March 1998**, the holder of this environmental authority shall develop an ambient monitoring and reporting program for dust, to monitor the impacts of the licensed activities on the receiving environment.

Report Submission

(H14) The holder of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority for the period covered by the return are submitted with the Annual Return.

End of Conditions for Schedule H

SCHEDULE I - DEFINITIONS

(J1) For the purposes of this environmental authority any term not otherwise defined in the Act and any subordinate legislation made pursuant to the Act or in the Definitions Schedule of this Environmental Authority has the meaning conferred to that term in its common usage.

(J2) In the event of any inconsistency arising between the meaning of any term provided in the Definitions Schedule of this Environmental Authority and any common usage of that term, the meaning conferred in the Definitions Schedule of this environmental authority prevails.

(J3) "Act" means the Environmental Protection Act 1994.

(J4) "Administering Authority" means the Department of Environment.

(J5) "Land" means land excluding waters and the atmosphere.

End of Conditions for Schedule I

END OF LICENCE CONDITIONS

Published on DERM Disclosure Log
RTI Act 2009