

Licence No. NM0005

REVISED

Section 93(1)

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

To: sch4p3(3) (Prejudice the protection of an individual's right to privacy)
Trading as: JT & PA Croyden Pty Ltd
Address: 18 Dawson Street
SARINA QLD 4737

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

s93 irrelevant information

- 19. Dredging material—dredging material from the bed of any waters (other than dredging by a port authority of material for which a royalty or similar charge is not payable) using plant or equipment having a design capacity of—

(b) 5 000 tonnes or more, but less than 100 000 tonnes, per year

Kings Quarry
Subdivision 2 of Portion 658, RP703952
Subdivision 4 of Portion 658, RP703953
Country of Carlisle Parish of Eton
ETON QLD

20. Extracting rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining authority) from a pit or quarry using plant or equipment having a design capacity of—

(b) 5 000 tonnes or more, but less than 100 000 tonnes, per year

22. 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—

(b) 5 000 tonnes or more, but less than 100 000 tonnes, per year

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

This amended licence takes effect from 30 March 2001.

The anniversary date for Environmental Authority NM0005 remains 28 June.

s.4(3)(3) (Prejudice the protection of an individual's right to privacy)

signed

Lawrie Wade
District Manager (EPA) Mackay
Delegate of Administering Authority
Environmental Protection Act

date

16 March 2001

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 – DEFINITIONS

RTI DL Release

Section 93(1)

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.

Display of Environmental Authority

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

Records

- (A3) Any record required to be kept by a condition of this environmental authority must be kept at the licensed place.
- (A4) 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

- (A5) 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.

Integrated Environmental Management System (IEMS)

- (A6) The applicant shall carry out an investigation into the environmentally relevant activities and provide to the Administering Authority an Integrated Environmental Management System, covering all the activities, which conforms to ISO 14000/9000 or equivalent within 12 months of the issue of this authority.
- (A7) The holder of this environmental authority must submit details of any amendment to the IEMS to the administering authority with the Annual Return which immediately follows the enactment of any such amendment.

Site-Based Management Plan

- (A8) Within 12 months of the date of issue of this authority the holder of this environmental authority must submit a Site-based Management Plan which is acceptable to the administering authority.
- (A9) The Site-based Management Plan must contain detailed proposals for the management of environmental impacts resulting from the carrying out of the activities under this environmental authority including:

Section 93(1)

- Operating procedures to prevent or minimise environmental harm and environmental nuisance, however occasioned or caused;
 - Maintenance practices and procedures;
 - Contingency plans to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including site rehabilitation);
 - Emergency procedures;
 - Communication of procedures, plans, incidents, potential environmental problems and results;
 - Handling of environmental complaints;
 - Keeping and production of environmental records and reports;
 - Monitoring of the releases into the environment including procedures, methods, record keeping and notification of results;
 - Assessment of the environmental impact of any releases into the environment and
 - Staff training and awareness of environmental issues related to the operation of the environmentally relevant activities.
- (A10) The Site-based Management Plan must be implemented by the holder of this environmental authority.
- (A11) The holder of this environmental authority must submit details of any amendment to the approved Site-based Management Plan to the administering authority.

END OF CONDITIONS FOR SCHEDULE A

SCHEDULE B – AIR

Releases 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 reasonable and practicable means necessary to prevent or minimise releases to the atmosphere.

END OF CONDITIONS FOR SCHEDULE B

sch4p3(3) Prejudice the pro

16/3/01

Section 93(1)

SCHEDULE C – WATER

Releases to Waters

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

END OF CONDITIONS FOR SCHEDULE C

SCHEDULE D – STORMWATER MANAGEMENT

Contamination of Stormwater caused by Rainfall

- (D1) 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 reasonable and practicable means necessary to prevent or minimise contamination of stormwater runoff from the licensed place.

END OF CONDITIONS FOR SCHEDULE D

Section 93(1)

SCHEDULE E – LAND APPLICATION

Releases 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 reasonable and practicable means necessary to prevent or minimise releases which are likely to contaminate land.

END OF CONDITIONS FOR SCHEDULE E

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 reasonable and practicable means necessary to prevent or minimise the emission of noise.

Blasting

- (F2) Noise from blasting operations must not, outside the most exposed part of an affected noise sensitive place, exceed an airblast overpressure of 115 dB (Lin) Peak for 4 out of any 5 consecutive blasts.

END OF CONDITIONS FOR SCHEDULE F

Section 93(1)

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.
- (G2) Waste must not be burnt or allowed to burn on any licensed site or removed and burnt elsewhere unless specifically permitted by an environmental authority.
- (G3) Records of trade waste agreements must be made available for inspection on request.
- (G4) Where a no-cost recycling service is available, recyclable waste must not be deposited in the general waste stream.

END OF CONDITIONS FOR SCHEDULE G

SCHEDULE H – SELF MONITORING AND REPORTING

Complaint Recording

- (H1) All complaints received by the holder of this environmental authority relating to operations at the licensed place must be recorded in a log book with complete details of actions and responses to the complaint.
- (H2) The complaints record required must be maintained for a period of not less than 5 years.

Noise Monitoring

- (H3) Monitoring must be undertaken to investigate any complaint of noise nuisance upon receipt of a request from the administering authority to carry out such monitoring.
- (H4) The method of measurement and reporting of noise levels must comply with the Department of Environment and Heritage Noise Measurement Manual.
- (H5) 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 5 years.

END OF CONDITIONS FOR SCHEDULE H

Section 93(1)

SCHEDULE I – DEFINITIONS

- (I1) 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.
- (I2) 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.

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

- (I3) “Act” means the *Environmental Protection Act 1994*.
- (I4) “Administering Authority” means the Department of Environment and Heritage or its successor.
- (I5) “Land” means land excluding waters and the atmosphere.

END OF CONDITION FOR SCHEDULE I



Integrated Authority No. NM0005

Section 311 Environmental Protection Act 1994

This integrated authority, issued in accordance with section 311 of the Environmental Protection Act 1994 (the EP Act), provides for the carrying out of different Environmentally Relevant Activities or Environmentally Relevant Activities at different places managed in an integrated way. This integrated authority comprises of one or more types of environmental authority(ies) in accordance with sections 86, 93, 95, 104, 113 and 311, of the EP Act, and this integrated authority details the conditions that are relevant to each stated type of environmental authority.

Under the provisions of the
Environmental Protection Act 1994 this integrated authority is issued to:

sch4p3(3) Prejudice the protection of an individuals right to privacy

Trading as: JT & PA Croyden Pty Ltd

18 Dawson Street
SARINA QLD 4737

in respect of carrying out the Environmentally Relevant Activities (ERAs) at the
different places and under the types of environmental authorities
described in Table 1.

This integrated authority is subject to the conditions set out in the attached schedules.

The anniversary date of this licence is 28 June.

This amended integrated authority takes effect from 2 November 2001.

Signed

2 November 2001

Date

Lawrie Wade
District Manager
Delegate of Administering Authority
Environmental Protection Act 1994

Note: This integrated authority document is not proof of the current status of the integrated authority. The current status of the integrated authority may be ascertained by contacting the Environmental Protection Agency.

ENVIRONMENTAL PROTECTION ACT 1994

Table 1: This integrated authority consists of the following part(s):

Part 1: Licence/s (without development approval) (Section 93)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
s.73 irrelevant information					
Part 1 Schedules 1A to 1H (inclusive)	20b	Extracting rock or other materials - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining authority) from a pit or quarry using plant or equipment having a design capacity of - (b) 5 000t or more, but less than 100 000t, per year	Sub division 2 Sub division 4	Portion 658, RP703953 Portion 658, RP703953	Kings Quarry Parish of Eton ETON QLD

s.73 irrelevant information					
-----------------------------	--	--	--	--	--

sch 4p3(3) Prejudice the pro
2/11/01



s73 irrelevant information information

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

This amended integrated authority incorporates the following parts:

Part 1 - Licence (without development approval)

Each part consists of conditions relevant to various issues.

Schedule of conditions

The aforementioned description of the ERA's for which this integrated authority is issued is simply a statement of the activity as prescribed in the legislation at the time of issuing the authority. Where there is any conflict between the above description of the ERA's for which this integrated authority is issued and the conditions as specified in this authority as to the state, intensity or manner of carrying out of the ERA's then such conditions prevail to the extent of the inconsistency.

This environmental authority consists of the following schedules of conditions relevant to various issues:

- Schedule 1A - General conditions
- Schedule 1B - Air
- Schedule 1C - Water
- Schedule 1D - Noise
- Schedule 1E - Waste Management
- Schedule 1F - Land Applications
- Schedule 1G - Community
- Schedule 1H - Definitions

sch4p3(3) Prejudice the p

PART 1 - LICENCE(S) (WITHOUT DEVELOPMENT APPROVAL) (Section 93)

This part is for the carrying out of a level 1 environmentally relevant activity without a development approval, under chapter 4, part 3, division 2, subdivision 1 of the Environmental Protection Act 1994.

Schedule 1A - General conditions

- (A1) The holder of this integrated environmental authority must ensure that any person who they allow or employ to carry out the activities permitted by this authority:
- (a) is competent, or under the supervision of a person who is competent, to carry out the activities
 - (b) understands the conditions of this integrated environmental authority.

Prevent and / or Minimise Likelihood Of Environmental Harm

- (A2) Notwithstanding any other requirements of this document, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused when carrying out the environmentally relevant activity.

Site Based Management Plan

- (A3) From commencement of the activity, implement the Site Based Management Plans (SBMP's) that identifies the actual and potential release of ALL contaminants, their subsequent environmental impacts and all corrective and preventive measures that will be taken to prevent and / or minimise the likelihood of environmental harm. The SBMP's must also provide for the review and "continual improvement" in the overall environmental performance of all Environmentally Relevant Activities that are carried out. Any amendments to the SBMP's must submitted to the EPA on or before the date of the annual return.

Dredging

- (A4) The only form of dredging to be carried out is sand and gravel extraction at the sites listed in this integrated environmental authority. Sand extraction from tidal waters (including seas) shall only be undertaken during period of low tides, when tidal sands are exposed to the air.
- (A5) The dredging activity and any disturbance to flora and fauna (both aquatic and terrestrial), sand, gravel and clay in the bed of the waters must only be carried out in the licensed area listed in this integrated environmental authority.
- (A6) The only areas permitted to be dredged under this integrated environmental authority are those listed in this integrated environmental authority.
- (A7) The placement of dredged matter may only occur to those areas designated in the site based management plans.
- (A8) During November to February and prior to commencing dredging of tidal sands (including seas), the holder of this integrated environmental authority or their representative shall inspect the access track for turtle nesting sites, each day. If a nest is found within four meters of the access track, the holder of this integrated environmental authority or their representative shall immediately contact Queensland Parks and Wildlife Service. No dredging operation shall be undertaken until approved by the Regional Service Director (Central Region) Queensland Parks and Wildlife Service or his delegate.

Extraction

- (A9) The extraction activity and any disturbance to flora and fauna (both aquatic and terrestrial) must only be carried out in the licensed area listed in this integrated environmental authority.

- (A10) The only areas permitted for extracting rock under this integrated environmental authority are those listed in this integrated environmental authority.

Regulated Waste Transport

- (A11) The holder of this integrated environmental authority is licensed to undertake the transport of distillery residues, food processing waste, septic waste and oily liquid waste listed as 'regulated waste' in schedule 7 of the Environmental Protection Regulations 1998.

Acid Sulphate Soils (ASS)

- (A12) You must comply with "Guidelines For the Treatment and Management of Acid Sulfate Soils 2000", Queensland Government Environmental Protection Agency.

Notification

- (A13) Notify the administering authority as soon as practicable when the release of contaminants is not in accordance with the conditions of this document or any event where environmental harm may be threatened.
- (A14) Written advice of the following information must be provided within fourteen (14) days following any event as identified in condition number (Notification A10):
- the location of the event;
 - the time of the event;
 - the time the holder of the environmental authority became aware of the event;
 - the suspected cause of the event;
 - a description of the resulting effects of the event;
 - actions taken to mitigate any environmental harm and or environmental nuisance caused by the event, and
 - proposed actions to prevent a recurrence of the event.

Monitoring

- (A15) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Records

- (A16) Any record or document required to be kept by a condition of this integrated environmental authority must be kept at the licensed place for a period of at least five years and be available for examination by an authorised person. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.

Alterations

- (A17) No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this integrated environmental authority.



Integrated Environmental Management System (IEMS)

(A18) The holder of this integrated environmental authority must:

- (a) develop and implement an amended and updated Integrated Environmental Management System which provides for the following functions:
 - the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and
 - staff training and awareness of environmental issues; and
 - the conduct of environmental and energy audits; and
 - waste prevention, treatment and disposal; and
 - a program for continuous improvement; and
 - reporting arrangements on the effectiveness of the environmental management of the activities.
- (b) on or before the date of the annual return, have completed and implemented the amended Integrated Environmental Management System; and
- (c) on or before the date of the annual return lodge a detailed description of the amended Integrated Environmental Management System and its documentation with the administering authority for its review and comment; and
- (d) have due regard to that comment in the finalisation of the amended Integrated Environmental Management System.

A copy of the Integrated Environmental Management System must be kept in a location readily accessible to personnel carrying out the activity.

Erosion and sediment control

- (A19) Erosion and sediment control measures must be maintained at all times during periods the environmentally relevant activities are carried out and during rehabilitation. Procedures must be implemented to check and, if necessary, repair or replace the erosion control and sediment control measures after each rain event likely adversely affect the efficiency of those measures.

END OF CONDITIONS FOR SCHEDULE 1A



Schedule 1B - Air

- (B1) Prevent the release of odour, dust and/or particulate matter, spray-drift, smoke, aerosols, or fumes which cause or are likely to cause a nuisance. Nuisance includes the release of contaminants that are likely to be offensive to a person or a nuisance in the opinion of an authorised person.
- (B2) Dust is not considered to be a nuisance under condition B1 if monitoring shows that dust and / or particulate matter did or does NOT exceed the following limits at the boundary of any affected dust sensitive place:
- Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; AND
 - A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at the boundary of any affected dust sensitive place downwind of the premises to which this development approval relates, when monitored in accordance with:
 - Australian Standard AS 3580.9.6 "Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method"; or
 - any alternative method of monitoring PM10 which may be permitted by the "Air Quality Sampling Manual" as published from time to time by the administering authority.

Materials Handling

- (B3) All practicable measures must be taken to minimise the generation of wind-borne dust during operation of external material stockpiles.
- (B4) Watering of internal roads shall be carried out so as to minimise the release of dust and particulate matter to the atmosphere.

Loss of material during transit

- (B5) Trucks and vehicles transporting material from the dredging sites or screening premises which is liable to generate dust during transit, must either be covered immediately after loading or pass under water sprays to minimise wind-blown releases and spillage. Any covering must be maintained until immediately before unloading the truck or vehicle.

END OF CONDITIONS FOR SCHEDULE 1B

Schedule 1C - Water

Release of Contaminants to Waters

- (C1) Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
- (C2) Prevent erosion that may result in the release of sediment to waters.
- (C3) The environmentally relevant activities must be carried out in such a manner that any release of contaminants caused by activities must:
- (a) be minimised to the greatest practicable extent; and
 - (b) not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectable matter.

Release of Contaminants to Stormwater

- (C4) The holder of this integrated environmental authority must ensure that no contaminated stormwater directly or indirectly is released from the licensed places to any waters or the bed and banks of any waters.

Bunding

- (C5) All petroleum product storage tanks must be banded so that the capacity of the band is sufficient to contain at least 100% of the largest tank plus 10 % of the second largest tank within the band.
- (C6) All bunding must be constructed of materials which are impervious to the materials stored.
- (C7) All empty drums must be stored on a concrete hard-stand area with their closures in place.
- (C8) All spilled materials in banded areas on the site must be cleaned up as soon as practicable.

END OF CONDITIONS FOR SCHEDULE 1C

Schedule 1D - Noise

- (D1) Prevent the emission of noise, which causes or that is likely to cause a nuisance at any noise affected premises. Nuisance includes noise that is or is likely to be annoying, intrusive or offensive to a person or a nuisance in the opinion of an authorised person.
- (D2) Noise is NOT considered to be a nuisance under condition D1 if monitoring shows that noise does NOT exceed the following levels in the time periods specified in Schedule D Tables 1 and 2.

Schedule D - TABLE 1 - NOISE LIMITS (Noise Sensitive Place)

Noise Level dB(A) measured as	Noise measured at a "Noise Sensitive Place"					
	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm -10pm	10pm - 7am	9am - 6pm	6pm -10pm	10pm - 9am
L _A 10, adj, 10mins	45	40	30	40	40	30
L _A 1, adj, 10mins	50	45	35	45	45	35

Schedule D - TABLE 2 - NOISE LIMITS (Commercial Place)

Noise Level dB(A) measured as	Noise measured at a "Commercial Place"					
	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm -10pm	10pm - 7am	9am - 6pm	6pm -10pm	10pm - 9am
L _A 10, adj, 10mins	55	45	35	45	45	35
L _A 1, adj, 10mins	60	50	40	50	50	40

(D3) When requested by the Administering Authority noise monitoring must be undertaken to investigate any complaint of noise annoyance. Monitoring must include:

- L_A 10, adj, 10 mins
- L_A 1, adj, 10 mins
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;
- effects due to extraneous factors such as traffic noise;
- location, date and time of recording and
- the method of measurement and reporting of noise levels must comply with the Environmental Protection Agency's Noise Measurement Manual, Third Edition, 1 March 2000, or more recent editions or supplements to that document as they become available.

Blasting

(D4) Noise from blasting operations must not, outside the most exposed part of an affected noise sensitive place, exceed an airblast overpressure of 115dB (Lin) Peak for 4 out of any 5 consecutive blasts.

END OF CONDITIONS FOR SCHEDULE 1D

sch4p3(3) Prejudice t

Schedule 1E - Waste Management

General

- (E1) All wastes generated in carrying out the environmentally relevant activities must be disposed of to an appropriate facility that accepts such wastes, unless otherwise specifically provided for under the conditions of this integrated environmental authority.
- (E2) The holder of this integrated environmental authority must implement sampling and monitoring practices and procedures that will determine whether the material extracted during dredging is contaminated soil, due to the concentration of contaminants such as heavy metals, hydrocarbons or pesticides in the material.
- (E3) The holder of this environmental authority must not:
- (i) allow waste to burn or be burned at or on the licensed place; nor
 - (ii) remove waste from the licensed place and burn such waste elsewhere.

Regulated Waste Transport

- (E4) Vehicles to be used in the transport of regulated waste must be registered with the administering authority ("the licensed vehicles").
- (E5) Any vehicle registered with the administering authority may be replaced with another vehicle provided it is of similar type and no less fit for the transportation of the regulated waste.
- (E6) The holder of this integrated environmental authority must supply details of changes to the vehicle fleet to the administering authority prior to the use of these vehicles for the transport of any regulated waste:
- the intention to use the vehicle commencing not before a stated date;
 - the type of vehicle;
 - the make, model, year of manufacture and registration number of the vehicle;
 - the area(s) in which the vehicle is intended to be used;
 - the depot(s) (if any) from which the vehicle will be operated;
 - regulated waste to be transported by these vehicles.
- (E7) Regulated waste is not permitted to be released from any vehicle other than at a place that can lawfully accept such waste.
- (E10) Any loss or spillage of regulated wastes must be cleaned up forthwith.

Regulated Waste Transport - Insurance

- (E11) The holder of this integrated environmental authority must hold and keep a current liability insurance policy with a third party property clause to cover costs of clean up or removal incurred by or on behalf of the administering authority as a result of fire, explosion, leakage or spillage of regulated waste as a result of any vehicle transporting regulated waste in the state of Queensland.

END OF CONDITIONS FOR SCHEDULE 1E

Schedule 1F - Land Application

- (F1) All disturbed areas (eg. stockpile and screening areas) must be progressively re-profiled and stabilised to ensure that at the cessation of activities, erosion is minimised.
- (F2) The environmentally relevant activity must be carried out by such practicable means necessary to prevent the release or likelihood of release of contaminants to land which may cause such land to be contaminated.

Site Rehabilitation

- (F3) Completed extraction and dredging areas must be stabilised by landscaping or revegetating as soon as practicable after completion.

END OF CONDITIONS FOR SCHEDULE 1F

Schedule 1G - Community

- (G1) All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.
- (G2) In consultation with the administering authority, cooperate with and participate in any community environmental group or organisation established in respect of either the licensed place specifically, or the industrial estate where the licensed place is located.

END OF CONDITIONS FOR SCHEDULE 1G

Schedule 1H - Definitions

Some of the words and phrases used throughout this licence are defined below:

- (H1) **"administering authority"** means the Environmental Protection Agency or its successor.
- (H2) **"licensed place"** means the place to which this environmental authority relates.
- (H3) **"dredge spoil"** means material taken from the bed or banks of waters by using dredging equipment or other equipment designed for use in extraction of earthen material.
- (H4) **"dust sensitive place"** means -
- a dwelling, mobile home or caravan park, residential marina or other residential place;
 - a motel, hotel or hostel;
 - a kindergarten, school, university or other educational institution;
 - a medical centre or hospital;
 - a protected area;
 - a park or gardens; or
 - a place used as an office or for business or commercial purposes.

and includes the curtilage of any such place.



- (H5) **"dwelling"** means any of the following structures or vehicles that is principally used as a residence-
- a house, unit, motel, nursing home or other building or part of a building;
 - a caravan, mobile home or other vehicle or structure on land;
 - a water craft in a marina.
- (H6) **"land"** in the "land schedule" of this document means land excluding waters and the atmosphere.
- (H7) **"mg/L"** means milligrams per litre.
- (H8) **"NTU"** means nephelometric turbidity units
- (H9) **"protected area"** means -
- a protected area under the *Nature Conservation Act 1992*; or
 - a marine park under the *Marine Parks Act 1992*; or
 - a World Heritage Area.
- (H10) **"regulated waste"** means non-domestic waste in Schedule 7 of the *Environmental Protection Regulation 1998* and includes:
- for an element - any chemical compound containing the element; and
 - anything that has contained a regulated waste; and
 - regulated waste that has been treated or immobilised.
- (H11) **"waters"** includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, any part thereof.
- (H12) **"50th percentile"** means not more than five (5) of the measured values of the quality characteristic are to exceed the stated release limit for any ten (10) consecutive samples for a release/monitoring point at any time during the licensed works.
- (H13) **"80th percentile"** means not more than two (2) of the measured values of the quality characteristic is to exceed the stated release limit for any ten (10) consecutive samples for a sampling point at any time during the licensed works.
- (H14) **"noxious"** means harmful or injurious to health or physical well being.
- (H15) **"offensive"** means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.
- (H16) **"the holder of this integrated environmental authority"** means Duane Le Garde (Le Gardes Concrete)

Noise Definitions

- (H17) **" $L_{A10, adj, 10 mins}$ "** means the A-weighted sound pressure level, (*adjusted for tonal character and impulsiveness of the sound*) exceeded for 10% of any 10 minute measurement period, using Fast response.



- (H18) " **$L_{A1, adj, 10 mins}$** " means the A-weighted sound pressure level, (*adjusted for tonal character and impulsiveness of the sound*) exceeded for 1% of any 10 minute measurement period, using Fast response
- (H19) "**noise affected premises**" means a "noise sensitive place" or a "commercial place"
- (H20) "**noise sensitive place**" means -
- a dwelling, mobile home or caravan park, residential marina or other residential premises; or
 - a motel, hotel or hostel; or
 - a kindergarten, school, university or other educational institution; or
 - a medical centre or hospital; or
 - a protected area; or
 - a park or gardens.
- (H21) "**commercial place**" means a place used as an office or for business or commercial purposes.
- (H22) "**intrusive**" noise - means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -
- is clearly audible to, or can be felt by, an individual;
 - and annoys the individual.

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

END OF CONDITIONS FOR SCHEDULE 1H

END OF PART 1

END OF INTEGRATED AUTHORITY

Development Permit

Section 621(4) Environmental Protection Act

EPA Permit¹ number: NM0005
 Application (Converted Environmental Authority) No. ENDC00647507
 Relevant Laws and Policies: Environmental Protection Act 1994 and any subordinate legislation

Under the provisions of the *Environmental Protection Act 1994* this development approval is issued to:

Rinker Australia Pty Ltd

Registered Address:
 Level 8, Tower B
 799 Pacific Highway
 CHATSWOOD NSW 2067

Development Description

Place	Location	Registered Activities
Subdivision 2 and 4 on Portion 658 of Plan RP703953	Kings Quarry, Parish of Eton Queensland	ERA 20(b) Extracting rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining tenement or petroleum authority) from a pit or quarry using plant or equipment having a design capacity of 5 000 t or more, but less than 100 000 t, a year.
		ERA 22(b) Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or petroleum authority) or by dredging using plant or equipment having a design capacity of more than 5 000 t, but less than 100 000 t, a year.

sch 4p3(3) Prejudice the protect
 26/02/07

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



s.73 irrelevant information

Additional information for applicants

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

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

sch 4p3(3) Prejudice the protection of the environment

26/02/07



Environmentally Relevant Activities

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

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

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

sch 43(3) (Prejudice the protection of an individuals right to privacy)

Emma Paull
District Manager
Delegate of Administering Authority
Environmental Protection Act 1994

26/02/07



Conditions of the Development Approval

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

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

- Schedule 1A - General conditions
- Schedule 1B - Air
- Schedule 1C - Water
- Schedule 1D - Noise
- Schedule 1E - Waste Management
- Schedule 1F - Land Applications
- Schedule 1G - Community
- Schedule 1H - Definitions

SCHEDULE A – GENERAL CONDITIONS

Schedule 1A - General conditions

- (A1) The registered operator must ensure that any person who they allow or employ to carry out the activities permitted by this approved:
- (a) is competent, or under the supervision of a person who is competent, to carry out the activities
 - (b) understands the conditions of this development approval.

Prevent and / or Minimise Likelihood Of Environmental Harm

- (A2) Notwithstanding any other requirements of this document, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused when carrying out the environmentally relevant activity.

Site Based Management Plan

- (A3) From commencement of the activity, implement the Site Based Management Plans (SBMP's) that identifies the actual and potential release of ALL contaminants, their subsequent environmental impacts and all corrective and preventive measures that will be taken to prevent and / or minimise the likelihood of environmental harm. The SBMP's must also provide for the review and "continual improvement" in the overall environmental performance of all Environmentally Relevant Activities that are carried out. Any amendments to the SBMP's must be submitted to the EPA on or before the date of the annual return.

Dredging

- (A4) The only form of dredging to be carried out is sand and gravel extraction at the sites listed in this integrated environmental authority. Sand extraction from tidal waters (including seas) shall only be undertaken during period of low tides, when tidal sands are exposed to the air.

Sch 4p3 (3) Prejudice the pro

26/02/09



- (A5) The dredging activity and any disturbance to flora and fauna (both aquatic and terrestrial), sand, gravel and clay in the bed of the waters must only be carried out in the licensed area listed in this development approval.
- (A6) The only areas permitted to be dredged under this development approval are those listed in this development approval.
- (A7) The placement of dredged matter may only occur to those areas designated in the site based management plans.
- (A8) During November to February and prior to commencing dredging of tidal sands (including seas), the registered operator or their representative shall inspect the access track for turtle nesting sites, each day. If a nest is found within four meters of the access track, the registered operator or their representative shall immediately contact Queensland Parks and Wildlife Service. No dredging operation shall be undertaken until approved by the Regional Service Director (Central Region) Queensland Parks and Wildlife Service or his delegate.

Extraction

- (A9) The extraction activity and any disturbance to flora and fauna (both aquatic and terrestrial) must only be carried out in the licensed area listed in this development approval.
- (A10) The only areas permitted for extracting rock under this development approval are those listed in this development approval.

Regulated Waste Transport

- (A11) The registered operator is approved to undertake the transport of distillery residues, food processing waste, septic waste and oily liquid waste listed as 'regulated waste' in schedule 7 of the *Environmental Protection Regulations 1998*.

Acid Sulphate Soils (ASS)

- (A12) You must comply with "Guidelines For the Treatment and Management of Acid Sulfate Soils 2000", Queensland Government Environmental Protection Agency.

Notification

- (A13) Notify the administering authority as soon as practicable when the release of contaminants is not in accordance with the conditions of this document or any event where environmental harm may be threatened.
- (A14) Written advice of the following information must be provided within fourteen (14) days following any event as identified in condition number (Notification A13):
- the location of the event;
 - the time of the event;
 - the time the holder of the environmental authority became aware of the event;
 - the suspected cause of the event;
 - a description of the resulting effects of the event;
 - actions taken to mitigate any environmental harm and or environmental nuisance caused by the event, and
 - proposed actions to prevent a recurrence of the event.

Monitoring

- (A15) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Records

- (A16) Any record or document required to be kept by a condition of this development approval must be kept at the approved place for a period of at least five years and be available for examination by an authorised person. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.

Alterations

- (A17) No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this integrated environmental authority.

Erosion and sediment control

- (A18) Erosion and sediment control measures must be maintained at all times during periods the environmentally relevant activities are carried out and during rehabilitation. Procedures must be implemented to check and, if necessary, repair or replace the erosion control and sediment control measures after each rain event likely adversely affect the efficiency of those measures.

END OF CONDITIONS FOR SCHEDULE 1A**Schedule 1B - Air**

- (B1) Prevent the release of odour, dust and/or particulate matter, spray-drift, smoke, aerosols, or fumes which cause or are likely to cause a nuisance. Nuisance includes the release of contaminants that are likely to be offensive to a person or a nuisance in the opinion of an authorised person.
- (B2) Dust is not considered to be a nuisance under condition B1 if monitoring shows that dust and / or particulate matter did or does NOT exceed the following limits at the boundary of any affected dust sensitive place:
- Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; AND
 - A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at the boundary of any affected dust sensitive place downwind of the premises to which this development approval relates, when monitored in accordance with:
 - Australian Standard AS 3580.9.6 "Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method"; or
 - any alternative method of monitoring PM10 which may be permitted by the "Air Quality Sampling Manual" as published from time to time by the administering authority.



Materials Handling

- (B3) All practicable measures must be taken to minimise the generation of wind-borne dust during operation of external material stockpiles.
- (B4) Watering of internal roads shall be carried out so as to minimise the release of dust and particulate matter to the atmosphere.

Loss of material during transit

- (B5) Trucks and vehicles transporting material from the dredging sites or screening premises which is liable to generate dust during transit, must either be covered immediately after loading or pass under water sprays to minimise wind-blown releases and spillage. Any covering must be maintained until immediately before unloading the truck or vehicle.

END OF CONDITIONS FOR SCHEDULE 1B**Schedule 1C - Water****Release of Contaminants to Waters**

- (C1) Contaminants must not be directly or indirectly released from the approved place to any waters or the bed and banks of any waters except to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
- (C2) Prevent erosion that may result in the release of sediment to waters.
- (C3) The environmentally relevant activities must be carried out in such a manner that any release of contaminants caused by activities must:
- (a) be minimised to the greatest practicable extent; and
 - (b) not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectable matter.

Release of Contaminants to Stormwater

- (C4) The registered operator must ensure that no contaminated stormwater directly or indirectly is released from the licensed places to any waters or the bed and banks of any waters.

Bunding

- (C5) All petroleum product storage tanks must be bunded so that the capacity of the bund is sufficient to contain at least 100% of the largest tank plus 10 % of the second largest tank within the bund.
- (C6) All bunding must be constructed of materials which are impervious to the materials stored.
- (C7) All empty drums must be stored on a concrete hard-stand area with their closures in place.
- (C8) All spilled materials in bunded areas on the site must be cleaned up as soon as practicable.

END OF CONDITIONS FOR SCHEDULE 1C

sch 4p3 (3) Prejudice the p



Schedule 1D - Noise

- (D1) Prevent the emission of noise, which causes or that is likely to cause a nuisance at any noise affected premises. Nuisance includes noise that is or is likely to be annoying, intrusive or offensive to a person or a nuisance in the opinion of an authorised person.
- (D2) Noise is NOT considered to be a nuisance under condition D1 if monitoring shows that noise does NOT exceed the following levels in the time periods specified in Schedule D Tables 1 and 2.

Schedule D - TABLE 1 - NOISE LIMITS (Noise Sensitive Place)

Noise Level dB(A) measured as	Noise measured at a "Noise Sensitive Place"					
	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm -10pm	10pm - 7am	9am - 6pm	6pm -10pm	10pm - 9am
$L_{A 10, adj, 10mins}$	45	40	30	40	40	30
$L_{A 1, adj, 10mins}$	50	45	35	45	45	35

Schedule D - TABLE 2 - NOISE LIMITS (Commercial Place)

Noise Level dB(A) measured as	Noise measured at a "Commercial Place"					
	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm -10pm	10pm - 7am	9am - 6pm	6pm -10pm	10pm - 9am
$L_{A 10, adj, 10mins}$	55	45	35	45	45	35
$L_{A 1, adj, 10mins}$	60	50	40	50	50	40

sch4p3 (3) Prejudice the pro



26/02/07



- (D3) When requested by the Administering Authority noise monitoring must be undertaken to investigate any complaint of noise annoyance. Monitoring must include:
- L_A 10, adj, 10 mins
 - L_A 1, adj, 10 mins
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors such as traffic noise;
 - location, date and time of recording and
 - the method of measurement and reporting of noise levels must comply with the Environmental Protection Agency's Noise Measurement Manual, Third Edition, 1 March 2000, or more recent editions or supplements to that document as they become available.

Blasting

- (D4) Noise from blasting operations must not, outside the most exposed part of an affected noise sensitive place, exceed an airblast overpressure of 115dB (Lin) Peak for 4 out of any 5 consecutive blasts.

END OF CONDITIONS FOR SCHEDULE 1D

Schedule 1E - Waste Management

General

- (E1) All wastes generated in carrying out the environmentally relevant activities must be disposed of to an appropriate facility that accepts such wastes, unless otherwise specifically provided for under the conditions of this integrated environmental authority.
- (E2) The registered operator must implement sampling and monitoring practices and procedures that will determine whether the material extracted during dredging is contaminated soil, due to the concentration of contaminants such as heavy metals, hydrocarbons or pesticides in the material.
- (E3) The registered operator must not:
- (i) allow waste to burn or be burned at or on the licensed place; nor
 - (ii) remove waste from the licensed place and burn such waste elsewhere.

Regulated Waste Transport

- (E4) Vehicles to be used in the transport of regulated waste must be registered with the administering authority ("the registered vehicles").
- (E5) Any vehicle registered with the administering authority may be replaced with another vehicle provided it is of similar type and no less fit for the transportation of the regulated waste.

26/02/07



- (E6) The registered operator must supply details of changes to the vehicle fleet to the administering authority prior to the use of these vehicles for the transport of any regulated waste:
- the intention to use the vehicle commencing not before a stated date;
 - the type of vehicle;
 - the make, model, year of manufacture and registration number of the vehicle;
 - the area(s) in which the vehicle is intended to be used;
 - the depot(s) (if any) from which the vehicle will be operated;
 - regulated waste to be transported by these vehicles.
- (E7) Regulated waste is not permitted to be released from any vehicle other than at a place that can lawfully accept such waste.
- (E10) Any loss or spillage of regulated wastes must be cleaned up forthwith.

Regulated Waste Transport - Insurance

- (E11) The registered operator must hold and keep a current liability insurance policy with a third party property clause to cover costs of clean up or removal incurred by or on behalf of the administering authority as a result of fire, explosion, leakage or spillage of regulated waste as a result of any vehicle transporting regulated waste in the state of Queensland.

END OF CONDITIONS FOR SCHEDULE 1E

Schedule 1F - Land Application

- (F1) All disturbed areas (eg. stockpile and screening areas) must be progressively re-profiled and stabilised to ensure that at the cessation of activities, erosion is minimised.
- (F2) The environmentally relevant activity must be carried out by such practicable means necessary to prevent the release or likelihood of release of contaminants to land which may cause such land to be contaminated.

Site Rehabilitation

- (F3) Completed extraction and dredging areas must be stabilised by landscaping or revegetating as soon as practicable after completion.

END OF CONDITIONS FOR SCHEDULE 1F

Schedule 1G - Community

- (G1) All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.
- (G2) In consultation with the administering authority, cooperate with and participate in any community environmental group or organisation established in respect of either the approved place specifically, or the industrial estate where the approved place is located.

END OF CONDITIONS FOR SCHEDULE 1G

sch 4p3(3) Prejudice the protection of the environment



Schedule 1H - Definitions

Some of the words and phrases used throughout this licence are defined below:

(H1) **"administering authority"** means the Environmental Protection Agency or its successor.

(H2) **"approved place"** means the place to which this development approval relates.

(H3) **"dredge spoil"** means material taken from the bed or banks of waters by using dredging equipment or other equipment designed for use in extraction of earthen material.

(H4) **"dust sensitive place"** means -

- a dwelling, mobile home or caravan park, residential marina or other residential place;
- a motel, hotel or hostel;
- a kindergarten, school, university or other educational institution;
- a medical centre or hospital;
- a protected area;
- a park or gardens; or
- a place used as an office or for business or commercial purposes.

and includes the curtilage of any such place.

(H5) **"dwelling"** means any of the following structures or vehicles that is principally used as a residence-

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

(H6) **"land"** in the "land schedule" of this document means land excluding waters and the atmosphere.

(H7) **"mg/L"** means milligrams per litre.

(H8) **"NTU"** means nephelometric turbidity units

(H9) **"protected area"** means -

- a protected area under the *Nature Conservation Act 1992*; or
- a marine park under the *Marine Parks Act 1992*; or
- a World Heritage Area.

(H10) **"regulated waste"** means non-domestic waste in Schedule 7 of the *Environmental Protection Regulation 1998* and includes:

- for an element - any chemical compound containing the element; and
- anything that has contained a regulated waste; and
- regulated waste that has been treated or immobilised.

- (H11) **"waters"** includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, any part-thereof.
- (H12) **"50th percentile"** means not more than five (5) of the measured values of the quality characteristic are to exceed the stated release limit for any ten (10) consecutive samples for a release/monitoring point at any time during the licensed works.
- (H13) **"80th percentile"** means not more than two (2) of the measured values of the quality characteristic is to exceed the stated release limit for any ten (10) consecutive samples for a sampling point at any time during the licensed works.
- (H14) **"noxious"** means harmful or injurious to health or physical well being.
- (H15) **"offensive"** means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

Noise Definitions

- (H16) **" $L_{A 10, \text{adj}, 10 \text{ mins}}$ "** means the A-weighted sound pressure level, (*adjusted for tonal character and impulsiveness of the sound*) exceeded for 10% of any 10 minute measurement period, using Fast response.
- (H17) **" $L_{A 1, \text{adj}, 10 \text{ mins}}$ "** means the A-weighted sound pressure level, (*adjusted for tonal character and impulsiveness of the sound*) exceeded for 1% of any 10 minute measurement period, using Fast response
- (H18) **"noise affected premises"** means a "noise sensitive place" or a "commercial place"
- (H19) **"noise sensitive place"** means -
- a dwelling, mobile home or caravan park, residential marina or other residential premises; or
 - a motel, hotel or hostel; or
 - a kindergarten, school, university or other educational institution; or
 - a medical centre or hospital; or
 - a protected area; or
 - a park or gardens.
- (H20) **"commercial place"** means a place used as an office or for business or commercial purposes.
- (H21) **"intrusive"** noise - means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -
- is clearly audible to, or can be felt by, an individual;
 - and annoys the individual.

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

sch 4p3(3) Prejudice the prote

26/02/20



END OF CONDITIONS

RTI DL Release

sch4p3(3) Prejudice the pro

26/02/17





Certificate of Registration

No: ENRE00645807

This registration certificate is issued by the Environmental Protection Agency and takes effect from: 28 February 2007.

The anniversary day for the purposes of the Annual Return is: 28 February.

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

Registered Operator:-

Rinker Australia Pty Ltd
Readymix

Level 8 Tower B

799 Pacific Highway
CHATSWOOD NSW 2067

Place	Location	Registered Activities
Subdivision 2 and 4 on Portion 658 of Plan RP703953	Kings Quarry, Parish of Eton Queensland	ERA 20(b) Extracting rock or other material - extracting rock (other than rock mined in block or slab form for building purposes), sand (other than foundry sand), clay (other than clay used for its ceramic properties, kaolin or bentonite), gravel, loam or other material (other than gravel, loam or other material under a mining tenement or petroleum authority) from a pit or quarry using plant or equipment having a design capacity of 5 000 t or more, but less than 100 000 t, a year. ERA 22(b) Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or petroleum authority) or by dredging using plant or equipment having a design capacity of more than 5 000 t, but less than 100 000 t, a year.

sch4p3(3) Prejudice the

26/02/07



s.73 irrelevant information

RTI DL Release

s.4(3)(3) Prejudice the protection of an individuals right to privacy

Emma Paull

26/02/07.

Environmental Protection Agency

Certificate of Registration

No: ENRE00645807

This registration certificate is issued by the Environmental Protection Agency and is a replacement document for the original approval issued on: 26 February 2007.

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

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

Registered Operator:-

CEMEX Australia Pty Ltd

PO Box 538

DEERAGUN QLD 4818

s73 relevant information

Place:-

Lot Subdiv 2 & 4 Por 658 Plan RP703953

Located at:-

Kings Quarry

Registered Activity/ies: -

ERA 16 Extractive and screening activities Threshold 2(b) - extracting, other than by dredging, in a year, 5000t to 100000t of material

ERA 16 Extractive and screening activities Threshold 3(a) - screening, in a year, 5000t to 100000t of material

s.73(1) Relevant information

s.4(3)(3) Prejudice the protection of an individual's right to privacy

Delegate
Environmental Protection Agency

26-JUN-2009

Registration certificate

Environmental Protection Act 1994

Certificate of Registration

No: ENRE00519106

This registration certificate is issued by the administering authority and takes effect from: 27-JUL-2009.

The anniversary day for the purposes of the Annual Return remains: 10 April.

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

Registered Operator:-
Mobile Crushing Co. Pty Ltd
Mackay Sand & Gravel Sales
72A Sydney Street
MACKAY QLD 4740

s.73 irrelevant information information

s.73 irrelevant information information

RTI DL Release



s.73 irrelevant information information

RTI DL Release

Place:-
Lot Subdiv 2 & 4 Por 658 Plan RP703953
Located at:-
Kings Quarry

Department of Environment and Resource Management

www.derm.qld.gov.au

Registered Activity/ies:-

ERA 16 Extractive and screening activities Threshold 2(b) - extracting, other than by dredging, in a year, 5000t to 100000t of material

ERA 16 Extractive and screening activities Threshold 3(a) - screening, in a year, 5000t to 100000t of material

Place:-

mobile & temporary (within the state of Queensland)

Registered Activity/ies: -

ERA 16 Extractive and screening activities Threshold 3(a) - screening, in a year, 5000t to 100000t of material

ERA 43 concrete batching >200t year

sch4p3(3) Prejudice the protection of an individuals right to privacy

Delegate
Administering authority
Environmental Protection Act 1994

27-JUL-2009



Development Permit

Section 621(4) Environmental Protection Act

EPA Permit ¹ number:	NM0005
Application (Converted Environmental Authority) No.	ENDC00647507
Relevant Laws and Policies:	<i>Environmental Protection Act 1994</i> and any subordinate legislation

Under the provisions of the *Environmental Protection Act 1994* this development approval is issued to:

Mobile Crushing Co Pty Ltd

Registered Address:
72A Sydney Street
MACKAY QLD 4740

Development Description

Place	Location	Registered Activities
Subdivision 2 and 4 on Portion 658 of Plan RP703953	Kings Quarry, Parish of Eton Queensland	ERA 16 Extractive and screening activities Threshold 2(b) - extracting, other than by dredging, in a year, 5000t to 100 000t of material.
		ERA 16 Extractive and screening activities Threshold 3(a) - screening, in a year, 5000t to 100 000t of material.

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

Additional information for applicants

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

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

Environmentally Relevant Activities

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

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

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

sch4p3(3) Prejudice the protection of an individual's right to privacy

Vicki Coburn
Manager, Mackay
Delegate of Administering Authority
Environmental Protection Act 1994

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

Conditions of the Development Approval

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

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

- Schedule 1A - General conditions
- Schedule 1B - Air
- Schedule 1C - Water
- Schedule 1D - Noise
- Schedule 1E - Waste Management
- Schedule 1F - Land Applications
- Schedule 1G - Community
- Schedule 1H - Definitions

SCHEDULE A – GENERAL CONDITIONS

Schedule 1A - General conditions

- (A1) The registered operator must ensure that any person who they allow or employ to carry out the activities permitted by this approved:
- (a) is competent, or under the supervision of a person who is competent, to carry out the activities
 - (b) understands the conditions of this development approval.

Prevent and / or Minimise Likelihood Of Environmental Harm

- (A2) Notwithstanding any other requirements of this document, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused when carrying out the environmentally relevant activity.

Site Based Management Plan

- (A3) From commencement of the activity, implement the Site Based Management Plans (SBMP's) that identifies the actual and potential release of ALL contaminants, their subsequent environmental impacts and all corrective and preventive measures that will be taken to prevent and / or minimise the likelihood of environmental harm. The SBMP's must also provide for the review and "continual improvement" in the overall environmental performance of all Environmentally Relevant Activities that are carried out. Any amendments to the SBMP's must submitted to the EPA on or before the date of the annual return.

Extraction

- (A9) The extraction activity and any disturbance to flora and fauna (both aquatic and terrestrial) must only be carried out in the licensed area listed in this development approval.
- (A10) The only areas permitted for extracting rock under this development approval are those listed in this development approval.

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

Notification

- (A13) Notify the administering authority as soon as practicable when the release of contaminants is not in accordance with the conditions of this document or any event where environmental harm may be threatened.
- (A14) Written advice of the following information must be provided within four-teen (14) days following any event as identified in condition number (Notification A13):
- the location of the event;
 - the time of the event;
 - the time the holder of the environmental authority became aware of the event;
 - the suspected cause of the event;
 - a description of the resulting effects of the event;
 - actions taken to mitigate any environmental harm and or environmental nuisance caused by the event, and
 - proposed actions to prevent a recurrence of the event.

Monitoring

- (A15) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.

Records

- (A16) Any record or document required to be kept by a condition of this development approval must be kept at the approved place for a period of at least five years and be available for examination by an authorised person. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.

Alterations

- (A17) No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this integrated environmental authority.

Erosion and sediment control

- (A18) Erosion and sediment control measures must be maintained at all times during periods the environmentally relevant activities are carried out and during rehabilitation. Procedures must be implemented to check and, if necessary, repair or replace the erosion control and sediment control measures after each rain event likely adversely affect the efficiency of those measures.

END OF CONDITIONS FOR SCHEDULE 1A

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

Schedule 1B - Air

- (B1) Prevent the release of odour, dust and/or particulate matter, spray-drift, smoke, aerosols, or fumes which cause or are likely to cause a nuisance. Nuisance includes the release of contaminants that are likely to be offensive to a person or a nuisance in the opinion of an authorised person.
- (B2) Dust is not considered to be a nuisance under condition B1 if monitoring shows that dust and / or particulate matter did or does NOT exceed the following limits at the boundary of any affected dust sensitive place:
- Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; AND
 - A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at the boundary of any affected dust sensitive place downwind of the premises to which this development approval relates, when monitored in accordance with:
 - Australian Standard AS 3580.9.6 "Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method"; or
 - any alternative method of monitoring PM10 which may be permitted by the "Air Quality Sampling Manual" as published from time to time by the administering authority.

Materials Handling

- (B3) All practicable measures must be taken to minimise the generation of wind-borne dust during operation of external material stockpiles.
- (B4) Watering of internal roads shall be carried out so as to minimise the release of dust and particulate matter to the atmosphere.

Loss of material during transit

- (B5) Trucks and vehicles transporting material from the dredging sites or screening premises which is liable to generate dust during transit, must either be covered immediately after loading or pass under water sprays to minimise wind-blown releases and spillage. Any covering must be maintained until immediately before unloading the truck or vehicle.

END OF CONDITIONS FOR SCHEDULE 1B

Schedule 1C - Water

Release of Contaminants to Waters

- (C1) Contaminants must not be directly or indirectly released from the approved place to any waters or the bed and banks of any waters except to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.

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

- (C2) Prevent erosion that may result in the release of sediment to waters.
- (C3) The environmentally relevant activities must be carried out in such a manner that any release of contaminants caused by activities must:
- (a) be minimised to the greatest practicable extent; and
 - (b) not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectionable matter.

Release of Contaminants to Stormwater

- (C4) The registered operator must ensure that no contaminated stormwater directly or indirectly is released from the licensed places to any waters or the bed and banks of any waters.

Bunding

- (C5) All petroleum product storage tanks must be bunded so that the capacity of the bund is sufficient to contain at least 100% of the largest tank plus 10 % of the second largest tank within the bund.
- (C6) All bunding must be constructed of materials which are impervious to the materials stored.
- (C7) All empty drums must be stored on a concrete hard-stand area with their closures in place.
- (C8) All spilled materials in bunded areas on the site must be cleaned up as soon as practicable.

END OF CONDITIONS FOR SCHEDULE 1C

Schedule 1D - Noise

- (D1) Prevent the emission of noise, which causes or that is likely to cause a nuisance at any noise affected premises. Nuisance includes noise that is or is likely to be annoying, intrusive or offensive to a person or a nuisance in the opinion of an authorised person.
- (D2) Noise is NOT considered to be a nuisance under condition D1 if monitoring shows that noise does NOT exceed the following levels in the time periods specified in Schedule D Tables 1 and 2.

Schedule D - TABLE 1 - NOISE LIMITS (Noise Sensitive Place)

Noise Level dB(A) measured as	Noise measured at a "Noise Sensitive Place"					
	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm -10pm	10pm - 7am	9am - 6pm	6pm -10pm	10pm - 9am
L _A 10, adj, 10mins	45	40	30	40	40	30
L _A 1, adj, 10mins	50	45	35	45	45	35

Schedule D - TABLE 2 - NOISE LIMITS (Commercial Place)

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

Noise Level dB(A) measured as	Noise measured at a " <u>Commercial Place</u> "					
	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm -10pm	10pm - 7am	9am - 6pm	6pm -10pm	10pm - 9am
L _A 10, adj, 10mins	55	45	35	45	45	35
L _A 1, adj, 10mins	60	50	40	50	50	40

- (D3) When requested by the Administering Authority noise monitoring must be undertaken to investigate any complaint of noise annoyance. Monitoring must include:
- L_A 10, adj, 10 mins
 - L_A 1, adj, 10 mins
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors such as traffic noise;
 - location, date and time of recording and
 - the method of measurement and reporting of noise levels must comply with the Environmental Protection Agency's Noise Measurement Manual, Third Edition, 1 March 2000, or more recent editions or supplements to that document as they become available.

Blasting

- (D4) Noise from blasting operations must not, outside the most exposed part of an affected noise sensitive place, exceed an airblast overpressure of 115dB (Lin) Peak for 4 out of any 5 consecutive blasts.

END OF CONDITIONS FOR SCHEDULE 1D

Schedule 1E - Waste Management

General

- (E1) All wastes generated in carrying out the environmentally relevant activities must be disposed of to an appropriate facility that accepts such wastes, unless otherwise specifically provided for under the conditions of this integrated environmental authority.
- (E3) The registered operator must not:
- (i) allow waste to burn or be burned at or on the licensed place; nor
 - (ii) remove waste from the licensed place and burn such waste elsewhere.

END OF CONDITIONS FOR SCHEDULE 1E

Schedule 1F - Land Application

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

- (F1) All disturbed areas (eg. stockpile and screening areas) must be progressively re-profiled and stabilised to ensure that at the cessation of activities, erosion is minimised.
- (F2) The environmentally relevant activity must be carried out by such practicable means necessary to prevent the release or likelihood of release of contaminants to land which may cause such land to be contaminated.

Site Rehabilitation

- (F3) Completed extraction areas must be stabilised by landscaping or revegetating as soon as practicable after completion.

END OF CONDITIONS FOR SCHEDULE 1F

Schedule 1G - Community

- (G1) All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.
- (G2) In consultation with the administering authority, cooperate with and participate in any community environmental group or organisation established in respect of either the approved place specifically, or the industrial estate where the approved place is located.

END OF CONDITIONS FOR SCHEDULE 1G

Schedule 1H - Definitions

Some of the words and phrases used throughout this licence are defined below:

- (H1) **“administering authority”** means the Environmental Protection Agency or its successor.
- (H2) **“approved place”** means the place to which this development approval relates.
- (H4) **“dust sensitive place”** means -
- a dwelling, mobile home or caravan park, residential marina or other residential place;
 - a motel, hotel or hostel;
 - a kindergarten, school, university or other educational institution;
 - a medical centre or hospital;
 - a protected area;
 - a park or gardens; or
 - a place used as an office or for business or commercial purposes.

and includes the curtilage of any such place.

- (H5) **“dwelling”** means any of the following structures or vehicles that is principally used as a residence-
- a house, unit, motel, nursing home or other building or part of a building;
 - a caravan, mobile home or other vehicle or structure on land;

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

- a water craft in a marina.
- (H6) **“land”** in the “land schedule” of this document means land excluding waters and the atmosphere.
- (H7) **“mg/L”** means milligrams per litre.
- (H8) **“NTU”** means nephelometric turbidity units
- (H9) **“protected area”** means -
 - a protected area under the *Nature Conservation Act 1992*; or
 - a marine park under the *Marine Parks Act 1992*; or
 - a World Heritage Area.
- (H11) **“waters”** includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and any under groundwater, any part-thereof.
- (H12) **“50th percentile”** means not more than five (5) of the measured values of the quality characteristic are to exceed the stated release limit for any ten (10) consecutive samples for a release/monitoring point at any time during the licensed works.
- (H13) **“80th percentile”** means not more than two (2) of the measured values of the quality characteristic is to exceed the stated release limit for any ten (10) consecutive samples for a sampling point at any time during the licensed works.
- (H14) **“noxious”** means harmful or injurious to health or physical well being.
- (H15) **“offensive”** means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

Noise Definitions

- (H16) **“ $L_{A 10, \text{adj}, 10 \text{ mins}}$ ”** means the A-weighted sound pressure level, (*adjusted for tonal character and impulsiveness of the sound*) exceeded for 10% of any 10 minute measurement period, using Fast response.
- (H17) **“ $L_{A 1, \text{adj}, 10 \text{ mins}}$ ”** means the A-weighted sound pressure level, (*adjusted for tonal character and impulsiveness of the sound*) exceeded for 1% of any 10 minute measurement period, using Fast response
- (H18) **“noise affected premises”** means a “noise sensitive place” or a “commercial place”
- (H19) **“noise sensitive place”** means -
 - a dwelling, mobile home or caravan park, residential marina or other residential premises; or
 - a motel, hotel or hostel; or
 - a kindergarten, school, university or other educational institution; or
 - a medical centre or hospital; or
 - a protected area; or
 - a park or gardens.

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

(H20) **“commercial place”** means a place used as an office or for business or commercial purposes.

(H21) **“intrusive”** noise - means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

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

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

END OF CONDITIONS

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