

Fax



Queensland Government

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

To:	Allen Jermyn	Fax:	3871 0021
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Date:	06 April 2003	Pages:	1 (including this page) 50
Subject:	Austral DA and Integrated Authority Drafts		

Allen

Draft DA and integrated authority for comment by Austral. Please respond with any comments. This is pending confirmation of the original area of the court consent order.

Regards

Matt Buchanan

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Notice of development application decision

Sections 3.5.11 and 3.5.15 *Integrated Planning Act 1997*

This notice is issued by the administering authority pursuant to sections 3.5.11 and 3.5.15 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquiries to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748

The Austral Brick Company Pty Ltd
German Church Road
Redland Bay, Qld

Attention: Mr J Brennan,

Re: Application (No. SR0376DA) for development approval by The Austral Brick Company Pty Ltd for assessable activity to be carried out at a place situated at German Church Road, Redland Bay

Pursuant to part 1 and 2 of Schedule 1A of the *Integrated Planning Regulation 1998*, the Environmental Protection Agency is the assessment manager for the development application.

Assessment Manager information

Assessment Manager office: Environmental Protection Agency
Southern Regional Office (Brisbane)
Postal address: GPO Box 2771 BRISBANE QLD 4001
Telephone: (07) 3224 5641
Fax: (07) 3225 8723

The Environmental Protection Agency, acting as assessment manager under the *Integrated Planning Act 1997* for your application, advises that the development application decision notice about development prescribed under a regulation under the *Environmental Protection Act 1994* for schedule 8 part 1 item 6 of the *Integrated Planning Act 1997* is attached.

DRAFT
DA



Should you require any further information please do not hesitate to contact Janet Pritchard on either phone (07) 3224 2763 or e-mail: janet.pritchard@epa.qld.gov.au

Signed

Date

Peter Smith
A/Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Published on DES Disclosure Log
RTI Act 2009

Development application decision notice

Section 3.5.11 and 3.5.15 *Integrated Planning Act 1997*

Applicant:	The Austral Brick Company Pty Ltd
EPA Development Application number:	SR0376DA
Date application received by EPA:	19 December 2002
Date of decision:	26 February 2003
Relevant Laws and Policies:	<i>Environmental Protection Act 1994</i> and subordinate legislation
Jurisdiction:	Item 5 of Schedule 2 of the <i>Integrated Planning Regulation 1998</i>

Development Description:

Carrying out of Environmentally Relevant Activity (ERA):

20(c) 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 100 000 t or more per year

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

at the following place(s):

Part of Lot 1 RP854704

located at:

German Church Road, Redland Bay

Type of development

Material change of use of premises is:

- the start of a new use of the premises

Decision on Development Application

In deciding the application, the Environmental Protection Agency, as assessment manager approves all of the application and includes in the approval any concurrence agency conditions as a development permit.

Further development permits required

Nil



Referral agencies

Concurrence Agencies: Nil
Advice Agencies: Nil
Referral Agencies: Nil

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 aware the activity is being carried out, give notice to the Environmental Protection Agency. A list of Notifiable Activities is provided within Schedule 2 of the *Environmental Protection Act 1994*.

Appeal

When issuing a decision notice under the *Integrated Planning Act 1997*, the assessment manager must state the rights of appeal for the applicant (section 3.5.15(2)(j)). The rights of appeal are attached to the back of this notice.

Signed

3 February 2003

Date

Peter Smith
A/Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Conditions of the development approval

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

The aforementioned description of the environmentally relevant activity (ERA) for which this development approval is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing this development 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 authorises the ERA. It does not authorise environmental harm unless a concurrence agency condition within this development approval explicitly authorises that harm. Where there is no condition or the development approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

- Schedule A - Activity
- Schedule B - Air
- Schedule C - Water
- Schedule D - Noise
- Schedule E - Waste
- Schedule F - Land
- Schedule G - Community
- Schedule H - Definitions
- Schedule I - Maps / Plans

Schedule A - Activity

Prevent and /or minimise likelihood of environmental harm

- (A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this approval.

NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

- (A2-1) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - maintain such measures, plant and equipment in a proper and efficient condition; and
 - operate such measures, plant and equipment in a proper and efficient manner.

Integrated Environmental Management System

- (A3-1) Prior to the commencement of any environmentally relevant activity ("the activities") under this environmental authority, the holder of this environmental authority must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (A3-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
 - Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 - Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.
- (A3-2) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Records

- (A5-1) 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.

Acid sulphate soil (ASS)

- (A7-1) You must comply with the latest edition of the Queensland Environmental Protection Agency's INSTRUCTIONS FOR THE TREATMENT AND MANAGEMENT OF ACID SULPHATE SOILS, 2001, produced by the Queensland Environmental Protection Agency in consultation with the Department of Natural Resources and Mines and the Department of Primary Industries.
- (A7-2) Acid sulphate soils must be managed such that contaminants are not directly or indirectly released, as a result of the activity, to any waters or the bed and banks of any waters.

Storage and Handling of Flammable and Combustible Liquids

- (NEW) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Dust nuisance

- (NEW) Subject to Conditions (B1-2) and (B1-3) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.
- (NEW) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.
- (NEW) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (B1-1):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 a sensitive or commercial place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;
- or
- Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

NOTE: You must propose which monitoring method is appropriate in accordance with condition (B1-3) (a) or (b) or both.

Dust Control

- (NEW) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (NEW) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dust suppressants and wind breaks.
- (NEW) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Monitoring

- (C1-1) Monitoring must be undertaken and records kept of contaminant releases to waters from the discharge location for the parameters and not less frequently than specified in Schedule C Table 1. All determinations of the quality of contaminants released must be:
- made in accordance with methods prescribed in the latest edition of the Environment Protection Agency Water Quality Sampling Manual; and
 - carried out on samples that are representative of the discharge.

Schedule C - Table 1 (Release limits)

Monitoring point	Discharge location	Quality characteristics	Release Limits		Monitoring frequency
			Minimum	Maximum	
RB1	Moogurrapum Creek	pH	6.5	9.0	Event release
RB2	(RB1&2)	TSS (mg/L)	-	50mg/l	Event release
RB3	Native Dog Creek (RB3)				

* Refer to Appendix 1 Figure 1 for monitoring locations.

Erosion protection measures and sediment controls

- (C2-1) Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment. The size of any sedimentation dam must be sufficient to contain the run-off expected from a 24 hour storm with an average recurrence interval of 1 in 5 years. Sediment released to the bed of the receiving waters, effected by process water and stormwater contaminated by activities, can only be released when in compliance with the limits in Schedule C - Table 1.
- (C2-2) Prevent the release of sediment to waters or a build up of sediment in any stormwater drain.

END OF CONDITIONS FOR SCHEDULE

Schedule D - Noise and vibration

Noise nuisance

- (D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (D1-2) All noise from activities must not exceed the levels specified in Schedule D - Table 1 and 2 at any noise affected premises.

Schedule D - Table 1 (Noise limits)

Noise level dB(A) measured as	Monday to Friday	Monday to Friday	Saturday
	6am – 7am	7am – 6pm	7am – 4pm
Noise measured at a 'Noise sensitive place'			
L _{A10} , adj, 10 mins	b/g + 3	b/g + 5	b/g + 5
L _{A1} , adj, 10 mins	b/g + 5	b/g + 10	b/g + 10
Noise measured at a 'Commercial place'			
L _{A10} , adj, 10 mins	b/g + 8	b/g + 10	b/g + 10
L _{A1} , adj, 10 mins	b/g + 10	b/g + 15	b/g + 15

Schedule D - Table 2 (Airblast Overpressure Level)

Location	Monday to Friday 9 am - 3 pm	Saturday, Sundays and public holidays
	Air blast overpressure level is no more than 115 db (Lin) Peak for four (4) out of five (5) consecutive blasts initiated and not greater than 120 db (Lin) Peak at any time.	No blasting to occur

Note: The method of measurement and reporting of over pressure levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.

Noise monitoring

- (D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. 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; and
 - location, date and time of recording.
- (D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

Vibration nuisance

- (D3-1) Vibration emitted from activities must not cause a nuisance at any vibration sensitive place.
- (D3-2) Vibration emitted from activities must not exceed the levels specified in Schedule D - Table 3 at any vibration sensitive place.

Schedule D - Table 3 (Vibration limits)

Location	Vibration measured	
	Monday to Friday 9 am - 3 pm	Saturday, Sundays and public holidays
Sensitive or commercial place	5mm/s peak particle velocity for nine (9) out of ten (10) consecutive blasts and not greater than 10 mm/s peak particle velocity at any time	No blasting

Note: The method of measurement and reporting of vibration levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.

Vibration monitoring

- (D4-1) When requested by the Administering Authority, vibration monitoring and recording must be undertaken to investigate any complaint of nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:
- peak particle velocity (mm/s); and
 - location of the blast/s within the site (including which bench level); and
 - atmospheric conditions including temperature, relative humidity and wind speed and direction; and
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors; and
 - location, date and time of recording.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Waste

General

- E1-1 The holder of this development approval must not:
- (i) burn waste at or on the authorised place; or
 - (ii) allow waste to burn at or on the authorised place; or
 - (iii) remove waste from the authorised place and burn such waste elsewhere.

END OF CONDITIONS FOR SCHEDULE E

Schedule F - Land

Rehabilitation landform criteria

- (F1-1) All areas significantly disturbed by activities must be rehabilitated in accordance with Part 3 Schedule F – Table 1.

Part 3 Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule)

Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
Mine void	17.2	(Native ecosystem) SPPKC <i>To be determined</i>
Sediment traps / water basins	1	Wetland Type 2
Roads	0.8	No rehabilitation required - retain
Buffer	4	No rehabilitation required - retain

Rehabilitation Outcome – Native Ecosystem

- (F3-1) Areas that are to be rehabilitated to native ecosystem must comply with the following outcomes:
- a) achievement of a self sustaining native ecosystem with a species composition and distribution similar to the pre-mining species composition and distribution; and
 - b) the landform must be suitable to support the ecosystem in 3:F3-1 a), not impede pre-mining fauna corridors and be stable and non-polluting.
- (F3-2) Complete an investigation into rehabilitation of disturbed areas and submit a report to the administering authority proposing acceptance criteria to meet the outcomes in F3-1. A report on the investigation, which will propose acceptance criteria, must be submitted to the administering authority by 30 June 2005.

Rehabilitation Outcome – Wetland Type 2 (water filled voids)

- (F5-1) Complete an investigation into rehabilitation of disturbed areas to wetland type 2 outcome and submit a report to the administering authority proposing acceptance criteria. A report on the investigation and proposals for acceptance criteria must address:
- a) water quality to be achieved in the water filled void;
 - b) water quality to be achieved for any discharges from the void; and
 - c) revegetation standards to be met for the fringes of the void.
- and the report must be submitted to the administering authority by 30 June 2005.

Open Area, Progressive Rehabilitation and Buffers

- (F7-1) The open area for the site in the area of Appendix 1 Figure 1 marked "Area A" must not exceed 5 Ha.

Rehabilitation Outcome for Mine Voids - To be determined.
The final land use of mine voids is to be determined by a Planning Use Study which is to be consistent with any Planning Scheme and final rehabilitation scheme outcome.

(F7-2) Subject to condition F7-1, progressive rehabilitation must commence within three years of areas become available within the operational land.

(F7-3) There must be no extractive activities conducted in the buffer zones identified in Appendix 1 Figure 1 other than for construction of amenity banks, environmental control works and activities involved with access or provision of services to the extractive area.

END OF CONDITIONS FOR SCHEDULE

Schedule G - Community

Complaint response

(G1-1) 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.

END OF CONDITIONS FOR SCHEDULE G

Schedule H - Definitions

Words and phrases used throughout this licence or development approval are defined below:
Where a definition for a term used in this approval is sought and the term is not defined within this approval the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

"acceptance criteria" means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

"administering authority" means the Environmental Protection Agency or its successor.

"airblast overpressure" means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

"annual return" means the return required by the annual notice (under section 316 of the Environment Protection Act, 1994) for the section 86(2) licence that applies to the development approval.

"authorised place" means the place authorised under this environmental authority/development approval for the carrying out of the specified environmentally relevant activities.

"authority" means level 1 licence (without development approval), or level 1 approval (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994*.

"this authority" means this environmental authority/development approval.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

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

"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.

"dam" means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.

"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.

"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.

"land use" term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

" $L_{A 10, adj, 10 mins}$ " 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.

" $L_{A 1, adj, 10 mins}$ " 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

"mg/L" means milligrams per litre.

"noxious" means harmful or injurious to health or physical well being.

"nuisance sensitive place" includes -

- a dwelling, residential allotment, 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 under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
 - a public thoroughfare, park or gardens; or
 - a place used as a workplace, an office or for business or commercial purposes.
- and includes a place within the curtilage of such a place reasonably used by persons at that place.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"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.
- and includes the curtilage of such place.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"open area" means those parts of the mining lease that are cleared in preparation for, or to conduct mining, but have not had *rehabilitation* commence. Open area excludes permanent roads and fixed plant.

"peak particle velocity (ppv)" means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms-1).

"progressive rehabilitation" means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

"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.

"rehabilitation" the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

"self sustaining" means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

"site" means the place to which this environmental authority relates or the premises to which this development approval relates.

"stable" means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

"significant disturbance" – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant environmental authority; or
 - ii. if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

"vibration sensitive place" means a noise sensitive place or a commercial place.

"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 groundwater and any part thereof.

"you" means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Development Approval.

END OF DEFINITIONS FOR SCHEDULE H

END OF DEVELOPMENT APPROVAL

Extract from the *Integrated Planning Act 1997*

Division 8—Appeals to court relating to development applications

Appeals by applicants

- 4.1.27 (1) An applicant for a development application may appeal to the court against any of the following -
- (a) the refusal, or the refusal in part, of a development application;
 - (b) a matter stated in a development approval, including any condition applying to the development, and the identification of a code under section 3.1.6;
 - (c) the decision to give a preliminary approval when a development permit was applied for;
 - (d) the length of a currency period;
 - (e) a deemed refusal.
- (2) An appeal under subsection (1)(a) to (d) must be started within 20 business days (the “**applicant’s appeal period**”) after the day the decision notice or negotiated decision notice is given to the applicant.
- (3) An appeal under subsection (1)(e) may be started at any time after the last day a decision on the matter should have been made.

Appeals by submitters

- 4.1.28 (1) A submitter for a development application may appeal to the court about -
- (a) the giving of a development approval, including any conditions (or lack of conditions) or other provisions of the approval; or
 - (b) the length of a currency period for the approval.
- (2) The appeal must be started within 20 business days (the “**submitter’s appeal period**”) after the day the decision notice or negotiated decision notice is given to the submitter.
- (3) If a person withdraws a submission before the application is decided, the person may not appeal the decision.
- (4) If an application involves both impact assessment and code assessment, appeal rights for submitters are available only for the part of the application involving impact assessment.

Appeals by advice agency submitters

- 4.1.29 (1) An advice agency may, within the limits of its jurisdiction, appeal to the court about the giving of a development approval for a development application if -
- (a) the development application involves impact assessment; and
 - (b) the advice agency told the applicant and the assessment manager to treat its response to the application as a submission for an appeal.
- (2) The appeal must be started within 20 business days after the day the decision notice or negotiated notice is given to the advice agency as a submitter.

Appeals for matters arising after approval given (co-respondents)

- 4.1.30 (1) For a development approval given for a development application, a person to whom any of the following notices have been given may appeal to the court against the decision in the notice -
- (a) a notice giving a decision on a request for an extension of the currency period for an approval;
 - (b) a notice giving a decision on a request to make a minor change to an approval.
- (2) The appeal must be started within 20 business days after the day the notice of the decision is given to the person.
- (3) Subsection (1)(a) does not apply if the approval resulted from a development application (superseded planning scheme) that was assessed as if it were an application made under a superseded planning scheme.

Division 9 - Appeals to court about other matters

Appeals for matters arising after approval given (no co-respondents)

- 4.1.31 (1) A person to whom any of the following notices have been given may appeal to the court against the decision in the notice -
- (a) a notice giving a decision on a request to change or cancel a condition of a development approval;
 - (b) a notice under section 6.1.44 giving a decision to change or cancel a condition of a development approval.
- (2) The appeal must be started within 20 business days after the day the notice of the decision is given to the person.

Appeals against enforcement notices

- 4.1.32 (1) A person who is given an enforcement notice may appeal to the court against the giving of the notice.
- (2) The appeal must be started within 20 business days after the day notice is given to the person.

Stay of operation of enforcement notice

- 4.1.33 (1) The lodging of a notice of appeal about an enforcement notice stays the operation of the enforcement notice until -
- (a) the court, on the application of the entity issuing the notice, decides otherwise; or
 - (b) the appeal is withdrawn; or
 - (c) the appeal is dismissed.
- (2) However, subsection (1) does not apply if the enforcement notice is about -
- (a) a work, if the enforcement notice states the entity believes the work is a danger to persons or a risk to public health; or
 - (b) carrying out development that is the demolition of a work.

Appeals against decisions on compensation claims

- 4.1.34 (1) A person who is dissatisfied with a decision under section 5.4.8 or 5.5.3 for the payment of compensation may appeal to the court against -
- (a) the decision; or
 - (b) a deemed refusal of the claim.
- (2) An appeal under subsection (1)(a) must be started with 20 business days after the day notice of the decision is given to the person.
- (3) An appeal under subsection (1)(b) may be started at any time after the last day a decision on the matter should have been made.

Appeals against decisions on requests to acquire designated land under hardship

- 4.1.35 (1) A person who is dissatisfied with a designator's decision to refuse a request made by the person under section 2.6.19, may appeal to the court against -
- (a) the decision; or
 - (b) a deemed refusal of the request.
- (2) An appeal under subsection (1)(a) must be started within 20 business days after the day notice of the decision is given to the person.
- (3) An appeal under subsection (1)(b) may be started at any time after the last day a decision on the matter should have been made.

Appeals from tribunals

- 4.1.37 (1) A party to a proceeding decided by a tribunal may appeal to the court against the tribunal's decision, but only on the ground -
- (a) of error or mistake in law on the part of the tribunal; or
 - (b) that the tribunal had no jurisdiction to make the decision or exceeded its jurisdiction in making the decision.
- (2) An appeal against a tribunal's decision must be started within 20 business days after the day notice of the tribunal's decision is given to the party.

Court may remit matter to tribunal

- 4.1.38 If an appeal includes a matter within the jurisdiction of a tribunal and the court is satisfied the matter should be dealt with by a tribunal, the court must remit the matter to the tribunal for decision.

Division 10 - Making an appeal to court

How appeals to the court are started

- 4.1.39 (1) An appeal is started by lodging written notice of appeal with the registrar of the court.
- (2) The notice of appeal must state the grounds of the appeal.
 - (3) The person starting the appeal must also comply with the rules of the court applying to the appeal.
 - (4) However, the court may hear and decide an appeal even if the person has not complied with subsection (3).

Certain appellants must obtain information about submitters

- 4.1.40 (1) If the applicant or a submitter for a development application appeals about the part of the application involving impact assessment, the appellant must ask the assessment manager to give the appellant the name and address of each principal submitter who made a properly made submission about the application and has not withdrawn the submission.
- (2) The assessment manager must give the information requested under subsection (1) as soon as practicable.

Notice of appeal to other parties (div 8)

- 4.1.41 (1) An appellant under division 8 must, within 10 business days after the day the appeal is started (or if information is requested under section 4.1.40, within 10 business days after the day the appellant is given the information) give written notice of the appeal to -
- (a) if the appellant is an applicant - the assessment manager, any concurrence agency, any principal submitter whose submission has not been withdrawn and any advice agency treated as a submitter whose submission has not been withdrawn; or
 - (b) if the appellant is a submitter or an advice agency whose response to the development application is treated as a submission for an appeal - the assessment manager, the applicant and any concurrence agency; or
 - (c) if the appellant is a person to whom a notice mentioned in section 4.1.30 has been given - the assessment manager and any entity that was a concurrence agency for the development application.
- (2) The notice must state -
- (a) the grounds of the appeal; and
 - (b) if the person given the notice is not the respondent or a co-respondent under section 4.1.43 - that the person, within 10 business days after the day the notice is given, may elect to become a co-respondent to the appeal.

Notice of appeal to other parties (div 9)

- 4.1.42 (1) An appellant under division 9 must, within 10 business days after the day the appeal is started give written notice of the appeal to -
- (a) if the appellant is a person to whom a notice mentioned in section 4.1.31⁷³ has been given - the entity that gave the notice; or
 - (b) if the appellant is a person to whom an enforcement notice is given - the entity that gave the notice and if the entity is not the local government, the local government; or
 - (c) if the appellant is a person dissatisfied with a decision about compensation - the local government that decided the claim; or
 - (d) if the appellant is a person dissatisfied with a decision about acquiring designated land - the designator; or
 - (e) if the appellant is a person who is disqualified as a private certifier - the entity disqualifying the person and if the entity disqualifying the person is not the accrediting body, the accrediting body; or
 - (f) if the appellant is a party to a proceeding decided by a tribunal - the other party to the proceeding.
- (2) The notice must state the grounds of the appeal.

Respondent and co-respondents for appeals under div 8

- 4.1.43 (1) This section applies to appeals under division 8 for a development application.
- (2) The assessment manager is the respondent for the appeal.
- (3) If the appeal is started by a submitter, the applicant is a co-respondent for the appeal.
- (4) If the appeal is about a concurrence agency response, the concurrence agency is a co-respondent for the appeal.
- (5) If the appeal is only about a concurrence agency response, the assessment manager may apply to the court to withdraw from the appeal.
- (6) The respondent and any co-respondents for an appeal are entitled to be heard in the appeal as a party to the appeal.
- (7) A person to whom a notice of appeal is required to be given under section 4.1.41 and who is not the respondent or a co-respondent for the appeal may elect to be a co-respondent.

Respondent and co-respondents for appeals under div 9

- 4.1.44 (1) This section applies if an entity is required under section 4.1.42 to be given a notice of an appeal.
- (2) The entity given written notice is the respondent for the appeal.
- (3) However, if under a provision of the section more than 1 entity is required to be given notice, only the first entity mentioned in the provision is the respondent.
- (4) The second entity mentioned in the provision may elect to be a co-respondent.

How a person may elect to be co-respondent

- 4.1.45 (1) An entity elects to be a co-respondent by lodging in the court, within 10 business days after the day the notice of the appeal is given to the entity, a notice of election under the rules of court.
- (2) If a principal submitter is entitled to elect to become a co-respondent, any other submitter for the submission may also elect to become a co-respondent to the appeal.

Minister entitled to be represented in an appeal involving a State interest

- 4.1.46 If the Minister is satisfied that an appeal involves a State interest, the Minister is entitled to be represented in the appeal.

Lodging appeal stops certain actions

- 4.1.47 (1) If an appeal (other than an appeal under section 4.1.30) is started under division 8, the development must not be started until the appeal is decided or withdrawn.
- (2) Despite subsection (1), if the court is satisfied the outcome of the appeal would not be affected if the development or part of the development is started before the appeal is decided, the court may allow the development or part of the development to start before the appeal is decided.



Queensland Government

**Environmental Protection Agency
Queensland Parks and Wildlife Service**

Southern Regional Office (Brisbane)
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www.env.qld.gov.au ABN: 87221158786

Integrated Authority No. SR2484

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:**

The Austral Brick Company Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

**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 dd/mm.

This integrated authority takes effect from

Signed

Date

Peter Smith
A/ Manager (Licensing)
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.

*Draft
JA*

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

Part 1: Licence (with development approval) (Section 86)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
Part 1 all schedules	20(c)	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 100,000t or more per year.	Part of Lot 1	RP854704	Parish of Redland German Church Road REDLAND BAY
Part 1 all schedules	22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining authority) or by dredging using plant or equipment having a design capacity of 100,000 tonnes or more per year.	Part of Lot 1	RP854704	Parish of Redland German Church Road REDLAND BAY

Part 2: Licences (without development approval) (Section 93)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
ROCHEDALE PLANT					
Part 2 all schedules Part 4 all schedules	17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
Part 2 all schedules Part 4 all schedules	61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
Part 2 all schedules Part 4 all schedules	75(a)(vi)	Waste disposal - operating a facility for disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of 50 000 t or more, but less than 75 000 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
RIVERVIEW PLANT					
Part 2 all schedules Part 4 all schedules	17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW
Part 2 all schedules Part 4 all schedules	22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining authority) or by dredging using plant or	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW

		equipment having a design capacity of 100,000 tonnes or more per year.			
Part 2 all schedules Part 4 all schedules	61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW

Part 3: Environmental authority (mining lease) (Section 258)

Applicable Part & Schedule(s)	ERA No.	ERA name	Mining Lease Number	Location
Part 3 all schedules Part 4 all schedules		Section 18(a) of the <i>Environmental Protection Act 1994</i> : Mining Activities Schedule 6 of the <i>Environmental Protection Regulation 1998</i> . Item 11B mining activities, other than a standard mining activity, carried out using equipment and plant having a mineral ore throughput of more than 100,000t during a year but less than 500,000t a year.	1167	Douglas Street OXLEY
			1151	Gardner Road ROCHEDALE
			1152	Ford Road BURBANK
			1156	Gardner Road ROCHEDALE
			1165	Gardner Road ROCHEDALE
			50165	Gardner Road ROCHEDALE
			50189	Gardner Road ROCHEDALE
			50035	German Church Road REDLAND BAY
			4578	Patrick Street SWANBANK
			50115	Whitwood Road NEW CHUM

Part 4: Conditions common to Parts 2 and 3

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
ROCHEDALE PLANT, RIVERVIEW PLANT and ALL MINING LEASES					
Parts 2 and 3 – all schedules Part 4		All ERAs listed in Parts 2 and 3			All locations listed in Parts 2 and 3

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 integrated authority incorporates the following parts:

- Part 1 - Licence (with development approval)
- Part 2 - Licences (without development approval)
- Part 3 - Environmental authority (mining lease)
- Part 4 - Conditions applicable to both Part 2 (Licences [Without Development Approval][Section 93]) AND Part 3 (Environmental Authority [Mining Lease] [Section 258])

Each part consists of conditions relevant to various issues.

PART 1 - LICENCE(S) (WITH DEVELOPMENT APPROVAL) (Section 86)

Applicable Sites – German Church Road Extractive Operation only

This part and its conditions must be considered in conjunction with any conditions imposed on your development approval(s) granted under the Integrated Planning Act 1997 or its equivalent for the activities under this part.

Part 1 Schedule A - General conditions

- (1:A1-1) Provide a financial assurance in the amount and form and at a time required by the administering authority.

END OF CONDITIONS FOR SCHEDULE A

Part 1 Schedule I - Definitions

“Administering authority” means the Environmental Protection Agency or its successor.

END OF CONDITIONS FOR SCHEDULE I

Part 1 Schedule J - Site Plans

There are no conditions prescribed in this schedule.

END OF CONDITIONS FOR SCHEDULE J

END OF PART 1

PART 2 - LICENCE(S) (WITHOUT DEVELOPMENT APPROVAL) (Section 93)

Applicable Sites – Riverview and Rochedale Brick Manufacturing Plants

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. The conditions in this Part of this Integrated Environmental Authority are in addition to those contained in all of Part 4 of this Integrated Environmental Authority.

Part 2 Schedule A - General conditions

Refer to Part 4 Schedule A of this integrated authority.

END OF CONDITIONS FOR PART 2 SCHEDULE A

Part 2 Schedule B - Air

Nuisance

- (2:B1-2) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

The Release of Contaminants to the Atmosphere

- (2:B2-1) The release of contaminants to the atmosphere from a point source must only occur from those release points identified in Part 2 Schedule B - Table 1 and must be directed vertically upwards without any impedance or hindrance.
- (2:B2-2) Contaminants must be released to the atmosphere from a release point at a height and a flow rate not less than the corresponding height and velocity stated for that release point in Part 2 Schedule B - Table 1 and not more than the efflux temperature stated for that release point in Part 2 Schedule B - Table 1.
- (2:B2-3) Contaminants must not be released to the atmosphere from a release point at a mass emission rate/concentration, as measured at a monitoring point, in excess of that stated in Part 2 Schedule B - Table 1 and monitored not less frequently than Part 2 Schedule B Table 1.
- (2:B2-4) Monitoring provisions and monitoring points must be provided for all the release points listed in Part 2 Schedule B, Table 1. The monitoring provisions and monitoring points must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions".
- (2:B2-5) The holder of this environmental authority must conduct a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameters specified in Part 2 Schedule B, Table 1 and which complies with the following:
- (a) All determinations of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
 - (b) All determinations of the quality and quantity of contaminants released to the atmosphere must be made in accordance with methods prescribed in the Department of Environment Air Quality Sampling Manual, November 1997, or more recent editions or supplements to that document as such become available.
 - (c) The following tests must be performed for each required determination specified in Part 2 Schedule B, Table 1:
 - (i) gas velocity and volume flow rate;



- (ii) temperature; and
- (iii) water vapour concentration.
- (d) Where practicable, samples taken must be representative of the contaminants discharged when emissions are expected to be maximum,
- (e) During the sampling period the following additional information must be gathered:
 - (i) production rate;
 - (ii) equipment operating;
 - (iii) product made;
 - (iv) date of sampling;
 - (v) start and end time of sampling;
 - (vi) fuel rate;
 - (vii) fluoride concentration in the mixture of clay used before and after fired (Rochedale only); and
 - (viii) proportion of each raw clay used (Rochedale only).
- (f) Oxides of nitrogen must be calculated as NO^2 at a 7 percent oxygen level and total particulates must be determined where gas volume is calculated to 12 percent CO^2 .

Part 2 Schedule B - Table 1 (Release of contaminants)

Release point number	Minimum release height (metres)	Minimum velocity (m/sec)	Minimum efflux temp (°C)	Contaminant	Release Limit	Sampling frequency
Riverview Plant A1 - Swindell Dressler Tunnel Kiln	25	8	n/a	Concentration total particulates	0.25 g/m3	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Concentration nitrogen oxides	0.35 g/m3	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
Rosedale Plant A1 - Swindell Dressler Tunnel Kiln	30	8.7	126	Total particulates	0.25 g/m3	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m3	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.35	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually
Rosedale Plant A2 - Ceric Tunnel Kiln	15	9.5	124	Total particulates	0.25 g/m3	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m3	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.88	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually

Riverview Plant

- (2:B3-1) Total Fluoride emissions from the release point numbered A1 at the Riverview Plant must not result in Ground Level Concentrations (GLC's) in excess of 3.7 ug/m³ for an averaging time of 12 hours and 0.5 ug/m³ for an averaging time of 90 days, beyond the boundaries of the licensed place.
- (2:B3-2) For the purposes of checking conformity with condition 2:B3-1, the results of the Fluoride monitoring as required in Part 2 Schedule B - Table 1 must be expressed as ugHF/m³ and modelled using an Appropriate Air Pollution Dispersion Modelling Program to determine the Ground Level Concentrations for the 12 hour and 90 day averaging time.
- (2:B3-3) The only fuel to be used in the Swindell Dressler Tunnel Kiln is natural gas.
- (2:B3-4) There must be no visible emission from release point number A1.

Rosedale Plant

- (2:B4-1) The only fuel to be used in the Swindell Dressler Tunnel Kiln (A1) and the Ceric Tunnel Kiln (A2) is natural gas.

- (2:B4-2) There must be no visible emission from release point numbers A1 or A2.
- (2:B4-3) The holder of this environmental authority must conduct a vegetation survey to detect chemical fumigation when there is non-compliance with any limit in Part 2 Schedule B – Table 1 and/or with the fluoride mass emission rate in Part 2 Schedule B – Table 1, or within three (3) years of the last vegetation survey submitted to the administering authority.
- (2:B4-4) The vegetation survey required by condition 2:B4-3 must be conducted at Boorabbin Picnic Ground, along Stackpole Street, F R Caterson Park, along Mt Petrie Road, Gardner Road and Prebble Street.
- (2:B4-5) A person or body possessing appropriate experience and qualifications must perform the vegetation survey required by condition 2:B4-3 of this environmental authority.
- (2:B4-5) The holder of this environmental authority must ensure the data collected by conditions 2:B2-5 and 2:B4-3 of this environmental authority is analysed and interpreted to assess the nature and extent of any environmental impact of the environmentally relevant activity. The data, analysis and assessment must be submitted to the administering authority within three (3) months of the completion of any vegetation survey required by condition 2:B4-3.

END OF CONDITIONS FOR PART 2 SCHEDULE B

Part 2 Schedule C - Water

Release to waters – Rochedale Plant only

- (2:B1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Part 2 Schedule C - Table 1 and comply with the contaminant limits defined in Part 2 Schedule C - Table 2.

Part 2 Schedule C - Table 1 (Water monitoring locations and frequency)

Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"

Part 2 Schedule C - Table 2 (Discharge contaminant limits)

Monitoring Point	Parameter	Minimum	Maximum
R3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*

Stormwater Management Plan – Rochedale Plant Only

- (2:B2-1) The holder of this environmental authority must have developed and implemented an effective and appropriate Stormwater Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from the contamination of stormwater at the licensed place.
- (2:B2-2) The Stormwater Management Plan must address at least the following matters:
- prevention of incident stormwater and stormwater runoff from contacting wastes or contaminants; and
 - diversion of upstream runoff away from areas containing wastes or contaminants; and
 - minimisation of the size of contaminated areas; and
 - cleaning of contaminated areas without water; and
 - installation and maintenance of pollution control equipment such as oil separators, silt and rubbish traps, and stormwater diversion systems; and
 - installation and maintenance of sediment control measures for stormwater such as by means of coagulation, sedimentation, dissolved air flotation, settling basins or other suitable means; and
 - paving and roofing of contaminated areas; and
 - revegetation of exposed or disturbed areas; and
 - diversion of upstream runoff from exposed or disturbed areas and stockpiles; and
 - sampling and monitoring of stormwater discharges from the licensed place to waters for parameters including the following:
 - suspended solids, and
 - pH.

END OF CONDITIONS FOR PART 2 SCHEDULE C

Part 2 Schedule D - Noise

- (2:D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (2:D1-2) All noise from activities must not exceed the levels specified in Part 2 Schedule D - Table 1 at any noise affected premises.

Part 2 Schedule D : Noise Limits

Noise level dB(A) measured as	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm - 10pm	10pm - 7am	9am - 6pm	6pm - 10pm	10pm - 9am
Noise measured at a 'Noise sensitive place'						
L _{A10} , adj, 10 mins	b/g+5	b/g+5	b/g+3	b/g+5	b/g+5	b/g+0
L _{A1} , adj, 10 mins	b/g+10	b/g+10	b/g+5	b/g+10	b/g+10	b/g+5
Noise measured at a 'Commercial place'						
L _{A10} , adj, 10 mins	b/g+10	b/g+10	b/g+5	b/g+10	b/g+10	b/g+5
L _{A1} , adj, 10 mins	b/g+15	b/g+15	b/g+10	b/g+15	b/g+15	b/g+10

R

Note: The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Manuals. Noise monitoring

(2:D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. 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; and
- location, date and time of recording.

(2:D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR PART 2 SCHEDULE D

Part 2 Schedule E – Waste

The conditions of this Part 2 Schedule E Waste Schedule apply to the Rochedale Plant only, in addition to those conditions in Part 4 Schedule E.

Waste Management Plan (WMP)

(2:E1-1) The holder of this environmental authority, must develop and implement an effective and appropriate Waste Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from all wastes produced at the licensed place.

(2:E1-2) The Waste Management Plan must address at least the following matters:

- (a) the quantity and nature of each waste produced;
- (b) the current method of disposal;
- (c) proposed methods of pre-treatment or disposal;
- (d) expected reduction in quantity of waste produced through waste minimisation and cleaner production;
- (e) investigation and evaluation of alternative treatment options;
- (f) areas to be set aside for the segregation and storage of recyclable solid wastes;
- (g) where a no-cost recycling service is available, reasonable and practicable steps must be taken to ensure recyclable waste is not deposited in the general waste stream. Such steps may include, but are not limited to provision of receptacles; suitable signage; and promotion of awareness among staff of the recycling service.
- (h) provisions for carrying out and submitting to the administering authority a waste audit within 12 months from the date of issue of this environmental authority and thereafter every five (5) years.

(2:E1-3) A copy of the Waste Management Plan and subsequent amendments must be kept at the licensed place and must be made available to any authorised person or the administering authority on request.

- (2:E1-4) The holder of this environmental authority must not implement a Waste Management Plan or amend a Waste Management Plan where such implementation or amendment would result in a contravention of any condition of this environmental authority.

On Site Waste Disposal

- (2:E2-1) The defined on site waste disposal area is described as "Waste Disposal Area" delineated on Figure 1 of Appendix 1.
- (2:E2-2) Only the following general waste, which is generated by the brickworks operation, is to be disposed of at the Waste Disposal Area:
- (i) broken and reject bricks, pavers and other ceramic products;
 - (ii) timber;
 - (iii) plastic, paper and cardboard; and
 - (iv) concrete and concrete products with or without reinforcing steel.
- (2:E2-3) Where general waste associated with the manufacture of bricks or pavers on the licensed place is disposed of on the premises (other than as permitted by another schedule of this environmental authority), the holder of this environmental authority must monitor and record:
- (a) the date, quantity and type of waste disposed; and
 - (b) the location of disposal of the waste; and
 - (c) the method of disposal of the waste.
- (2:E2-4) Appropriate signs must be prominently displayed at the waste disposal area or appropriate written instructions must be given to all persons responsible for depositing waste:
- The signs or written instructions must at least indicate:
- (i) the types of waste that may be disposed;
 - (ii) the types of waste which must not be disposed;
 - (iii) the location where the wastes must be deposited within the general waste disposal area, and
 - (iv) that open burning of waste is prohibited.
- (2:E2-5) Wastes must not be deposited beyond the boundaries of the waste disposal area.
- (2:E2-6) Regulated waste must not be stored or disposed of or deposited in the waste disposal area.

Security

- (2:E3-1) The holder of this environmental authority must prevent any unauthorised disposal of waste on or in the licensed place.
- (2:E3-2) The holder of this environmental authority must ensure that all access gates are locked when the licensed place is unattended.

END OF CONDITIONS FOR PART 2 SCHEDULE E

Part 2 Schedule F - Land

Release of Contaminants to Land

- (2:F1-1) There must be no release nor likelihood of release of any contaminants to land that may cause environmental harm or contribute to contamination of such land.

END OF CONDITIONS FOR PART 2 SCHEDULE F

Part 2 Schedule G - Community

Refer to Part 2 Schedule G of this authority.

END OF CONDITIONS FOR PART 2 SCHEDULE G

END OF PART 2

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RTI Act 2009

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PART 3 - ENVIRONMENTAL AUTHORITY (MINING LEASE) (Section 258)

This part is for the carrying out of an environmental authority (mining activities) for a mining lease under chapter 5, parts 1, 2 and 6 of the Environmental Protection Act 1994. The conditions in this Part of this Integrated Environmental Authority are in addition to those contained in all of Part 4 of this Integrated Environmental Authority.

Part 3 Schedule A - General

Financial Assurance

- (3:A1-1) Provide a financial assurance in the amount and form required by the administering authority prior to the commencement of activities proposed under this environmental authority.

NOTE: The calculation of financial assurance for condition (3:A1-1) must be in accordance with Guideline 17 and may include a performance discount. The amount is defined as the maximum total rehabilitation cost for complete rehabilitation of all disturbed areas, which may vary on an annual basis due to progressive rehabilitation. The amount required for the financial assurance must be the highest Total Rehabilitation Cost calculated for any year of the Plan of Operations and calculated using the formula: (Financial Assurance = Highest Total Annual Rehabilitation Cost x Percentage Required)

- (3:A1-2) The financial assurance is to remain in force until the administering authority is satisfied that no claim on the assurance is likely.

NOTE: Where progressive rehabilitation is completed and acceptable to the administering authority, progressive reductions to the amount of financial assurance will be applicable where rehabilitation has been completed in accordance with the acceptance criteria defined within this environmental authority.

END OF CONDITIONS FOR PART 3 SCHEDULE A

Part 3 Schedule B - Air

Refer to Part 4 Schedule B of this Integrated Authority.

END OF CONDITIONS FOR PART 3 SCHEDULE B

Part 3 Schedule C - Water

Release to waters

- (3:C1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Part 3 Schedule C - Table 1 (at the locations depicted in Appendix 1 Figures 1, 2, 3 and 4) and comply with the contaminant limits defined in Part 4 Schedule C - Table 2.

Part 3 Schedule C - Table 1 (Water monitoring locations and frequency)

*Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)				
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"
R4	Background for points R2 and R5	510500	6951200	When points R2 and/or R5 are sampled
R2	Discharge	510880	6951600	Each Pumped Release
R5	Discharge	511470	6952600	"Event Release" and each pumped release
Burbank Lease (ML1152)				
B1	Discharge	513890	6949050	"Event Release"
Redland Bay Lease (ML50035)				
RB1	Discharge	526590	6943600	"Event Release"
RB2	Discharge	526350	6943600	"Event Release"
RB3	Discharge	526160	6943250	"Event Release"
Oxley Lease (ML1167)				
O1	Discharge	497350	6951000	Each Pumped Release

* Refer to Appendix 1 Figures 1, 2, 3 and 4 for monitoring locations.

Part 3 Schedule C - Table 2 (Contaminant release limits)

Monitoring Point	Parameter	Minimum	Maximum
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)			
R2 and R5	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R4*
R3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*
Burbank Lease (ML1152)			
B1	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50
Redland Bay Lease (ML50035)			
RB1, RB2, RB3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50
Oxley Lease (ML1167)			
O1	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50

* for the same monitoring event

Part 3 Schedule D - Noise and vibration

Noise nuisance

- (3:D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (3:D1-2) All noise from activities must not exceed the levels specified in Part 3 Schedule D - Table 2 at any noise affected premises.
- (3:D1-3) No mining activities may be undertaken outside of the hours for the sites listed in Part 3 Schedule 3 Table 1, unless the activities are solely for pollution control.

Part 3 Schedule D - Table 1: Operating Hours

Tenure(s) – mining leases	Location	Hours
1151, 1156, 1165, 50165, 50189	Rochedale	Mon-Fri 6am – 6pm; Sat 6am-5pm
1152	Burbank	Mon-Fri 7am – 5pm
50035	Redland Bay	Mon-Fri 7am – 6pm; Sat 7am-4pm
1167	Oxley	Mon-Fri 7am – 5pm
4578	Swanbank	Mon-Sat daylight hours
50115	New Chum	Mon-Sat daylight hours

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Part 3 Schedule D - Table 1 (Noise limits)

Noise level dB(A) measured as	Monday to Saturday	
	6am - 7am	7am - 6pm
	Noise measured at a 'Noise sensitive place'	
L _{A10} , adj, 10 mins	b/g+3	b/g+5
L _{A1} , adj, 10 mins	b/g+5	b/g+10
	Noise measured at a 'Commercial place'	
L _{A10} , adj, 10 mins	b/g+8	b/g+10
L _{A1} , adj, 10 mins	b/g+10	b/g+15

Noise monitoring

(3:D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. 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; and
- location, date and time of recording.

(3:D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR PART 3 SCHEDULE D

Part 3 Schedule E - Waste

Refer to Part 4 Schedule E of this integrated authority.

END OF CONDITIONS FOR PART 3 SCHEDULE E

Part 3 Schedule F - Land

Rehabilitation landform criteria

(3:F1-1) All areas significantly disturbed by mining activities must be rehabilitated in accordance with Part 3 Schedule F – Table 1.

Part 3 Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule)

Tenure ID	Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
ROCHEDALE LEASES			
ML1151	Infrastructure (brick manufacturing and ancillary facilities)	22.5	Industrial

Tenure ID	Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
	Mine void	7.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	4.0	Native Ecosystem
ML1156	Mine void	31.5	Industrial
	Sediment traps / water basins	2.0	Industrial or Wetland Type 1
	Amenity banks / buffers		Native Ecosystem
ML1165	Mine void	5.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	0.8	Native Ecosystem
ML50165	Mine void	3.7	Wetland Type 2
	Amenity banks / buffers	3.2	Native ecosystem
ML50189	Mine void	5.2	Wetland Type 2
	Amenity banks / buffers	1.6	Native Ecosystem
BURBANK LEASE			
ML1152	Mine void	24	Native Ecosystem
	Sediment traps / water basins	0.6	Wetland Type 1
	Roads	1	No rehabilitation required - retain
	Buffer	8.8	Native Ecosystem
REDLAND BAY LEASE			
ML50035	Mine void	17.2	Native Ecosystem To be determined
	Sediment traps / water basins	1	Wetland Type 1
	Roads	0.8	No rehabilitation required - retain
	Buffer	4	Native Ecosystem
OXLEY LEASE			
ML1167	Mine void	7.8	Industrial
	Sediment traps / water basins	0.5	Wetland Type 1
	Roads	0.5	No rehabilitation required - retain
	Buffer	6.6	No rehabilitation required - retain / Residential
NEW CHUM LEASE			
ML50115	Mine voids	31.0	Industrial
	Spoil stockpiles	13	Industrial
	Roads	3.0	No rehabilitation required - retain
	Water Storages	1.5	No rehabilitation required - retain
SWANBANK LEASE			
ML4578	Mine voids	17.2	Industrial
	Stockpile areas	3.3	Industrial
	Spoil stockpiles	10	Industrial
	Roads / power line easements	3.3	No rehabilitation required - retain
	Water Storages	0.8	No rehabilitation required - retain

Buffer Zones

- (3:F6-1) There must be no mining activities conducted in the buffer zones or wildlife corridor areas identified in Appendix 1 Figures 1, 2, 3 and 4, other than for the construction or removal of amenity banks, environmental control works, and activities involved with access or provision of services to the lease areas.

Open Area and Progressive Rehabilitation

- (3:F7-1) The *open area* for each relevant mining lease must not exceed the area described in Part 3 Schedule F Table 2.

Part 3 Schedule F Table 2 – Open Area Limits

Tenure	Location	Open Area Limit (Ha)
ML 1152	Ford Road, Burbank	4
ML 50035	German Church Road Redland Bay	5 Ha within Area A of Appendix 1 Figure 2

- (3:F7-2) Subject to condition 3:F7-1, progressive rehabilitation must commence within three years of areas become available within the operational land.

Infrastructure

- (3:F8-1) All infrastructure, constructed by or for the environmental authority holder during the mining activities including water storage structures, must be removed from the site prior to mining lease surrender, except where agreed in writing by the post mining land owner / holder.

NOTE: This is not applicable where the landowner / holder is also the environmental authority holder.

END OF CONDITIONS FOR PART 3 SCHEDULE F

Part 3 Schedule G - Community

Refer to Part 4 Schedule G of this integrated authority

END OF CONDITIONS FOR PART 3 SCHEDULE F

END OF PART 4

PART 4 – CONDITIONS APPLICABLE TO BOTH PART 2 (LICENCES [WITHOUT DEVELOPMENT APPROVAL][Section 93]) AND PART 3 (ENVIRONMENTAL AUTHORITY [MINING LEASE] [Section 258])

Applicable Sites – Riverview and Rochedale Brick Manufacturing Plants and all mining leases.

This part contains conditions that are applicable to all locations and environmental authority types contained within Part 3 and Part 4 of this Integrated Authority.

Part 4 Schedule A - General conditions

Prevent and /or minimise likelihood of environmental harm

- (4:A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of Measures, Plant and Equipment

- (4:A2-1) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - maintain such measures, plant and equipment in a proper condition; and
 - operate such measures, plant and equipment in a proper manner.

Records

- (4:A3-1) Record, compile and keep all monitoring results required by Parts 2, 3 and 4 of this integrated authority and present this information to the administering authority when requested, in a specified format.

Storage and Handling of Flammable and Combustible Liquids

- (4:A4-1) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

Definitions

- (4:A5-1) Words and phrases used throughout this EA are defined in Part 4 Schedule H – Definitions. Where a definition for a term used in this EA is sought and the term is not defined within this EA, the definitions in the Environmental Protection Act 1994, its Regulations and Environmental Protection Policies must be used.

Integrated Environmental Management System (IEMS)

- (4:A6-1) Prior to the commencement of any environmentally relevant activity ('the activities') under this environmental authority, the holder of this environmental authority must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (4:A6-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
 - Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 - Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.
- (4:A6-3) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Part 4 Schedule B - Air

Dust nuisance

- (4:B1-1) Subject to Conditions (4:B1-2) and (4:B1-3) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.

- (4:B1-2) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.
- (4:B1-3) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (4:B1-1):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 a sensitive or commercial place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;
- or
- Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

NOTE: You must propose which monitoring method is appropriate in accordance with condition (4:B1-3) (a) or (b) or both.

Dust Control

- (4:B2-1) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (4:B2-2) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dust suppressants and wind breaks.
- (4:B2-3) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR PART 4 SCHEDULE B

Part 4 Schedule C - Water (refer Part 2+3)

Part 4 Schedule D - Noise and Vibration

Refer to Part 3 Schedule D of this integrated authority for mining activity conditions

Refer to Part 2 Schedule D of this integrated authority for non-mining conditions.

END OF CONDITIONS FOR PART 4 SCHEDULE D

Part 4 Schedule E – Waste

General

- (4:E1-1) The holder of this environmental authority must not:
- (i) burn waste at or on the licensed place; nor
 - (ii) allow waste to burn or be burnt at or on the licensed place; nor
 - (iii) remove waste from the licensed place and burn such waste elsewhere.

Off Site Movement

- (4:E2-1) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must 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).

- (4:E2-2) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Records

- (4:E3-1) Records must be maintained for a period of five (5) years for all wastes mentioned in this schedule.

Notification of Improper Disposal Of Regulated Waste

- (4:E4-1) If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or which is improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

END OF CONDITIONS FOR PART 4 SCHEDULE E

Part 4 Schedule F - Land

There are no conditions prescribed for this schedule.

END OF CONDITIONS FOR PART 4 SCHEDULE F

4 Schedule G – Community

R

Complaint response

- (4:G1-1) All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed and actions taken. This information must be made available for inspection by the administering authority on request.

END OF CONDITIONS FOR PART 4 SCHEDULE G

Part 4 Schedule H – Definitions

“acceptance criteria” means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

“airblast overpressure” means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

“ambient (or total) noise” at a place, means the level of noise at the place from all sources (near and far), measured as the Leq for an appropriate time interval.

“competent person” means a person with the demonstrated skill and knowledge required to carry out the task to a standard necessary for the reliance upon collected data or protection of the environment.

“authority” means environmental authority (mining activities) under the *Environmental Protection Act 1994*.

“blasting” means the use of explosive materials to fracture-

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse.

“commercial place” means a place used as an office or for business or commercial purposes, other than a place within the boundaries of the operational land.

“dam” means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.

“environmental authority holder” means the holder of this environmental authority.

“event release” means when water is released or at least quarterly, whichever is the lesser.

“flowable substance” means matter or mixture of materials which can be forced to or otherwise flow under any conditions possible in a situation. It includes water, other liquids or a mixture that includes water or any other liquid or suspended solids.

“hazardous waste” means any substance, whether liquid, solid or gaseous, derived by or resulting from, the processing of minerals that tends to destroy life or impair or endanger health.

“IEMS / Project EMOS” document titled “Environmental Management Overview Strategy (consolidating mining project numbers PJ50036, 50134 and 50150) incorporating Integrated Environmental Management System (mining, manufacturing and extractive industries). Prepared for The Austral Brick Company Pty Ltd. Prepared by Groundwork Environmental Management Services Pty Ltd. October 2002”.

“ $L_{A10, adj, 10 mins}$ ” 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.

“ $L_{A1, adj, 10 mins}$ ” 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

“ $L_{A, max adj, T}$ ” means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

“land” in the “land schedule” of this document means land excluding waters and the atmosphere.

“land capability” as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

“land suitability” as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

“land use” term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

“mandatory reporting level” means the volume below the spillway crest, equivalent to the lower of the AEP, 72 hour storm or the AEP wave allowance (AEP is the annual exceedence probability).

“mineral” means a substance which normally occurs naturally as part of the earth’s crust or is dissolved or suspended in water within or upon the earth’s crust and includes a substance which may be extracted from such a substance, and includes—

- (a) clay if mined for use for its ceramic properties, kaolin and bentonite;
- (b) foundry sand;
- (c) hydrocarbons and other substances or matter occurring in association with shale or coal and necessarily mined, extracted, produced or released by or in connection with mining for shale or coal or for the purpose of enhancing the safety of current or future mining operations for coal or the extraction or production of mineral oil therefrom;
- (d) limestone if mined for use for its chemical properties;
- (e) marble;
- (f) mineral oil or gas extracted or produced from shale or coal by in situ processes;
- (g) peat;
- (h) salt including brine;
- (i) shale from which mineral oil may be extracted or produced;
- (j) silica, including silica sand, if mined for use for its chemical properties;
- (k) rock mined in block or slab form for building or monumental purposes;

but does not include—

- (l) living matter;
- (m) petroleum within the meaning of the Petroleum Act 1923;
- (n) soil, sand, gravel or rock (other than rock mined in block or slab form for building or monumental purposes) to be used or to be supplied for use as such, whether intact or in broken form;
- (o) water.

“noxious” means harmful or injurious to health or physical well being, other than trivial harm.

R

“non-standard” means a mining operation that if in the opinion of the administering authority does not have a low risk of serious environmental harm and the activities can not comply with the criteria for standard mining activities prescribed in schedule 1A of the *Environmental Protection Regulation 1998*. The standard mining activity trigger criteria are as follows;

- the mining activities do not or will not cause more than 10 ha of land to be significantly disturbed at any one time;
- the mining activities do not or will not cause more than 5 ha of land to be significantly disturbed at any one time;
 - (a) in a riverine area;
 - (b) because of mine workings;
- the mining activities are not or will not be carried out in, or within 2 km of a category A *Environmentally Sensitive Area*;
- the mining activities are not or will not be carried out in, or within 1 km of a category B environmentally sensitive area;
- the mining activities do not include a level 1 environmentally relevant activity
- no more than 20 persons are carrying out or will, at any one time, carry out the mining activities;

“offensive” means causing reasonable offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive, other than trivial harm.

“open area” means those parts of the mining lease that are cleared in preparation for, or to conduct mining, but have not had *rehabilitation* commence. Open area excludes permanent roads and fixed plant.

“peak particle velocity (ppv)” means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms⁻¹).

“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.

“progressive rehabilitation” means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

“reference site” (or analogue site) may reflect the original location, adjacent area or another area where rehabilitation success has been completed for a similar biodiversity. Details of the reference site may be as photographs, computer generated images and vegetation models etc.

“rehabilitation” the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

“representative” means a sample set which covers the variance in monitoring or other data either due to natural changes or operational phases of the mining activities.

“residual void” means an open pit resulting from the removal of ore and/or waste rock which will remain following the cessation of all mining activities and completion of rehabilitation processes.

“self sustaining” means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

“significant disturbance” – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant environmental authority; or
 - ii. if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

R

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

“sensitive place” means;

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- an educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
- a public park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes which is not part of the mining activity and does not include employees accommodation or public roads.

“spillway” means passage or outlet from the dam through which surplus water flows.

“stable” means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

“trivial harm” means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5,000.

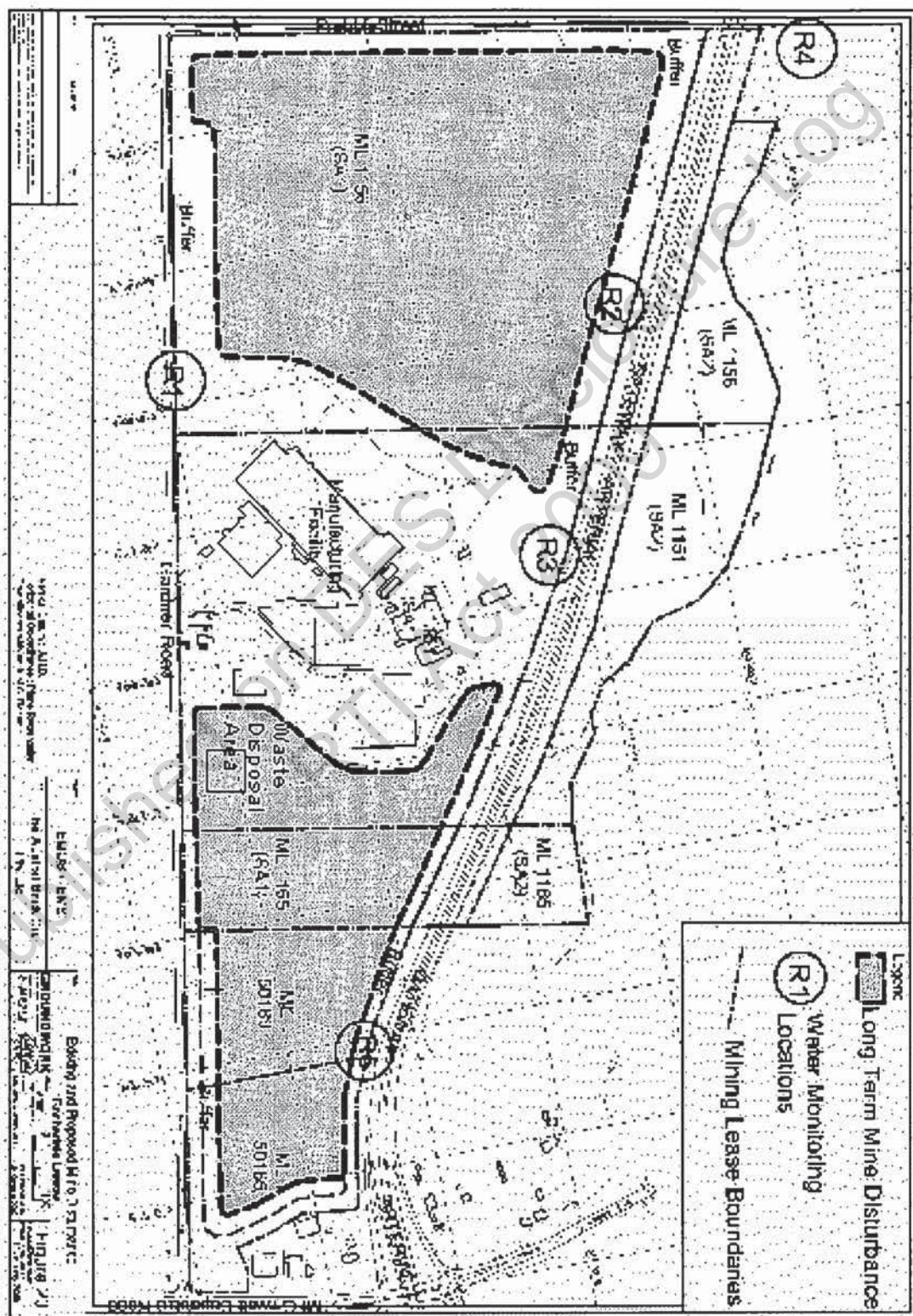
“waters” includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea) or any part thereof.

END OF CONDITIONS FOR PART 4 SCHEDULE I

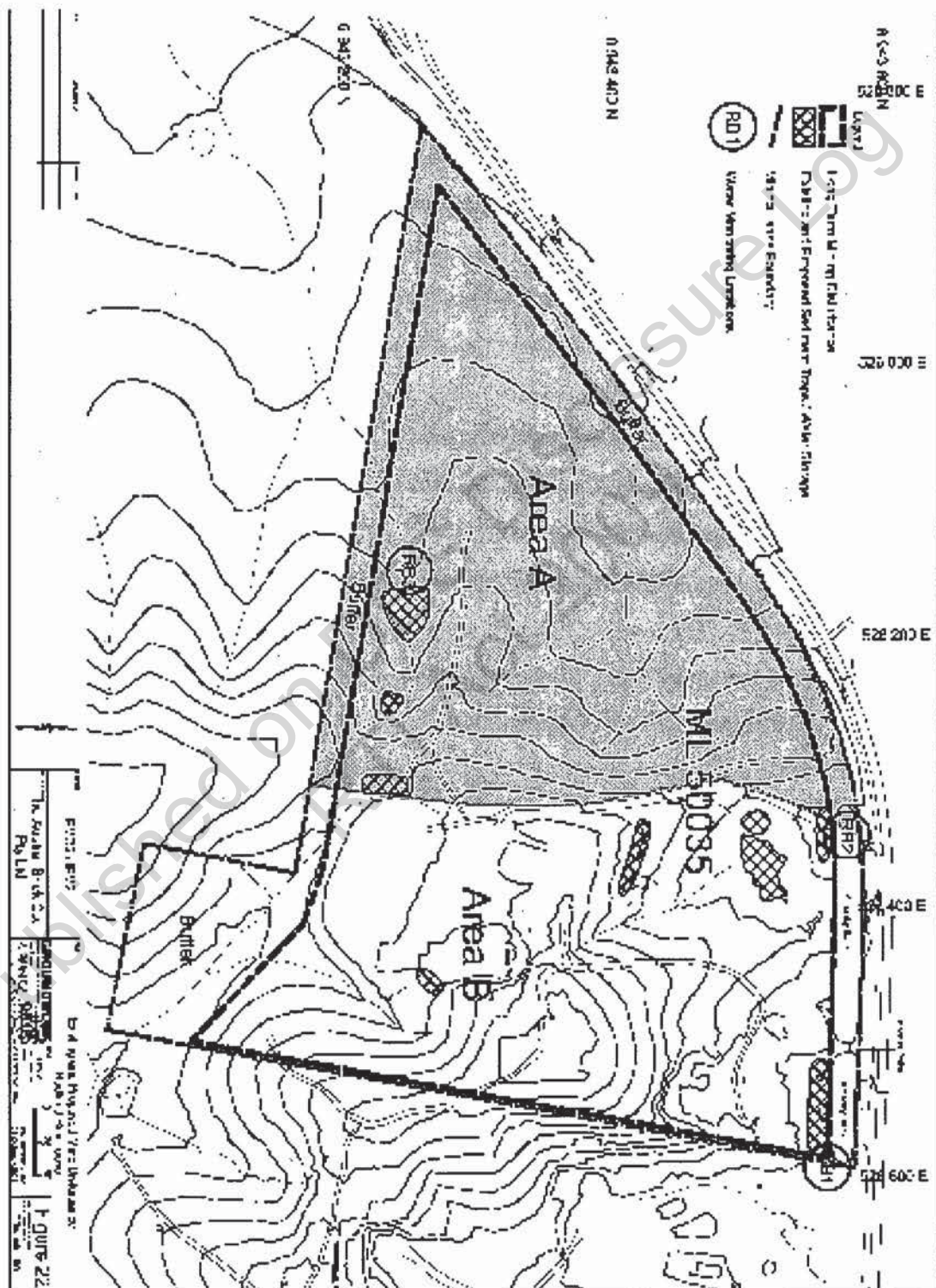
END OF PART 4

R

APPENDIX 1 – FIGURE 1
Rochedale Plant and Mining Leases – Waste Disposal Area, Water Monitoring
Locations and Buffer Zones

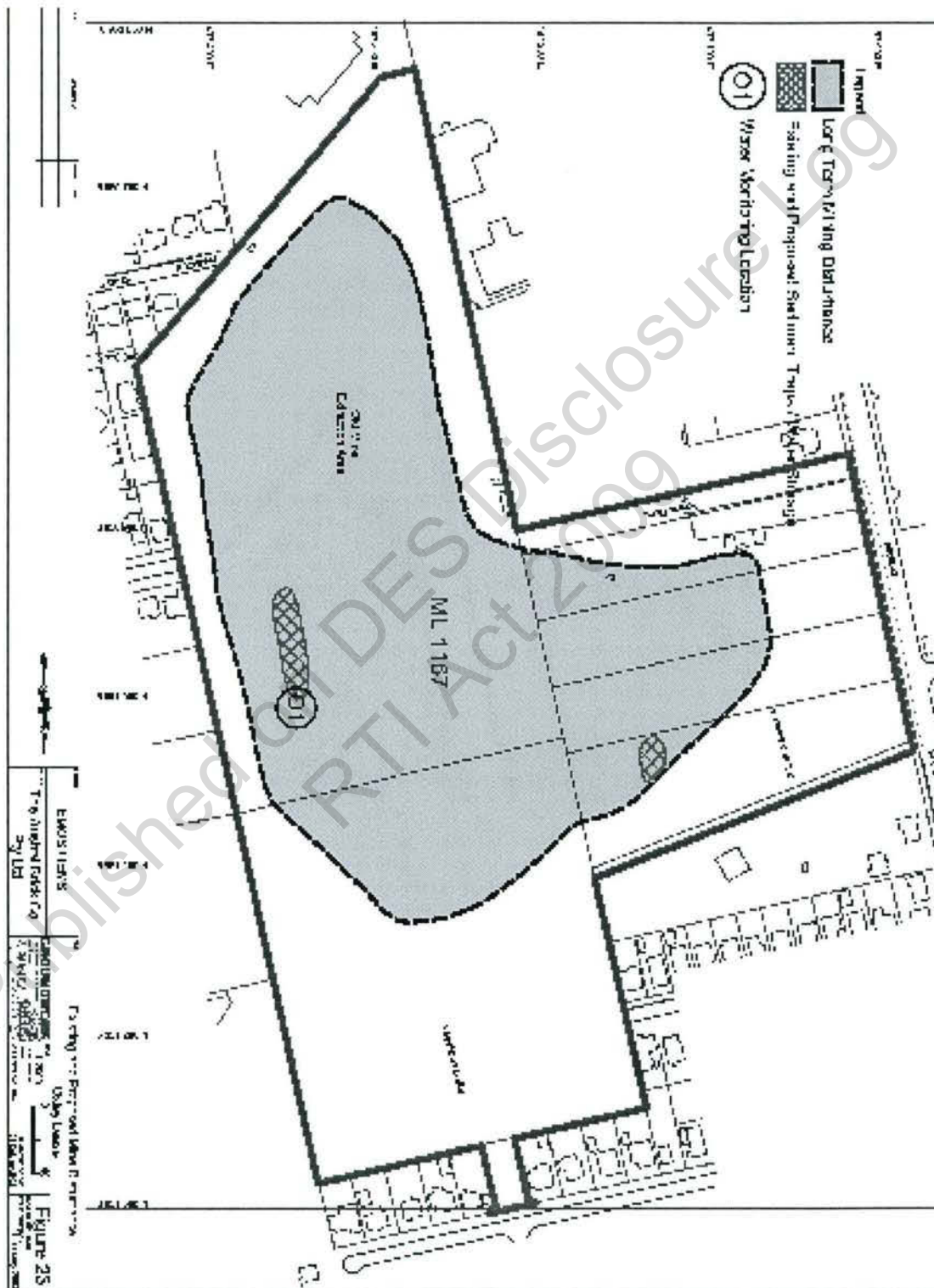


ML 50035 German Church Road Redland Bay – Monitoring Locations and Buffer Zones



[illegible]

APPENDIX 1 – FIGURE 4
ML 50035 German Church Road Redland Bay – Monitoring Locations and Buffer Zones



END OF INTEGRATED AUTHORITY

R



Notice requesting written agreement to the extension of decision making period

Section 3.3.6 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to section 3.3.6 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Matt Buchanan
Telephone : (07) 3224 58401
Your reference :
Our reference : STH3748

RECEIVED
20 MAR 2003

BY: _____

EPA SOUTHERN REGION			
Correspondence No.		Barcode No.	
STH2003/3842			
File No.		PART	FOLIO
STH3748		1	
Action Officer		Related Items	
Matt Buchanan			

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke,

Re: Application for development approval.

Following discussions concerning your development application, the Environmental Protection Agency, acting as assessment manager, request your written agreement to extend the decision making period by 15 business days.

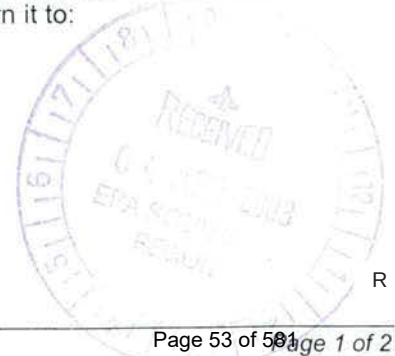
With your agreement, the new date that this period will end is now 17 April 2003.

Application information

Applicant: The Austral Brick Co. Pty Ltd
Application received by EPA: 19 December 2003
EPA no: SR0376DA
Description: 20(c) 22(c) Extracting rock or other material, Screening etc. materials
Street address of subject land: German Church Rd, Redland Bay
Location details: Lot 1 RP854704

The *Integrated Planning Act 1997* (section 3.3.6) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001



R



Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request/decision making period.

73(2)Irrelevant

Applicant signature

Jean Braga

Printed name of applicant

Operations Manager - Q.P.W.

Position of applicant

Should you require any further information please do not hesitate to contact Matt Buchanan on 3225 8401.

73(2)Irrelevant

27 March 2003

Signed

Date

Peter Smith

Acting Manager (Licensing)

Delegate of Administering Authority

Environmental Protection Act 1994

Published on DES Disclosure Log
RTI Act 2009

DEVELOPMENT APPROVAL APPLICATION

Application Number

SR0376DA

The Austral Brick Co Pty Ltd	
German Church Road Redland Bay	20(c) Extracting rock or other material 22(c) Screening etc material
Application Received	19/12/2003
Information request to be sent by	7/01/2003
Information Request sent	
Information Received	
Target Dates	
Assessment Start Date Application date + 10 Days	7/01/2003
Response Date Assessment Start Date + 20 Days Extended by written agreement - twice	17/04/2003
File Number	
Assessing Officer	

27. MAR. 2003 11:52

EPA SOUTHERN REGION

38494028 07 32258723

NO. 7578

P. 2



Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Southern Regional Office (Brisbane)
GPO Box 2771 BRISBANE QLD 4001
Phone: (07) 3224 5641 Fax: (07) 3226 8723
www.env.qld.gov.au ABN: 67221158786

Notice requesting written agreement to the extension of decision making period

Section 3.3.6 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to section 3.3.6 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Matt Buchanan
Telephone : (07) 3224 58401
Your reference :
Our reference : STH3748

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke,

Re: Application for development approval.

Following discussions concerning your development application, the Environmental Protection Agency, acting as assessment manager, request your written agreement to extend the decision making period by 15 business days.

With your agreement, the new date that this period will end is now 17 April 2003.

Application information

Applicant : The Austral Brick Co. Pty Ltd
Application received by EPA: 19 December 2003
EPA no: SR0376DA
Description: 20(c) 22(c) Extracting rock or other material, Screening etc. materials
Street address of subject land: German Church Rd, Redland Bay
Location details: Lot 1 RP854704

The *Integrated Planning Act 1997* (section 3.3.6) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001

27 MAR. 2003 11:52

EPA SOUTHERN REGION 07 32258723

NO. 7578

P. 3



Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Notice requesting agreement to
the extension of information request / decision making period.

Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request / decision making period.

73(2)Irrelevant

MR

Applicant signature

R. Clark

Printed name of applicant

GENERAL MANAGER

Position of applicant

Should you require any further information please do not hesitate to contact Matt Buchanan on 3225 8401.

73(2)Irrelevant

27 March 2003

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

273

R S A Cover Sheet

Type of Approval: SECTION 555 EXTENSION OF TIME

☒ Environmental Protection Act
☐ Noise EPP

☐ Integrated Planning Act
☐ Air EPP

☐ Environmental Protection Regulations
☐ Water EPP

Name: THE AUSTRAL BRICK CO PTY LTD

 SITE address: GERMAN CHURCH ROAD
 REDLAND BAY

Contact Officer: M. BUCHANAN

Licence No.: 11274/5R02484 FILE NUMBER: 5TH 3748

☒ Approved☐ Deferred☐ Not Approved

Decision: Approved as submitted

73(2) Irrelevant

Manager's Signature: Date Approved: 27/3/03 Date Posted: 27/3/03

Registered Post No. Date Faxed: 27/3/03

OFFICE USE ONLY**LICENCE ISSUE/REISSUE**
☐
☐
☐

Register updated

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 FILES**RSA NOT REQUIRING LICENCE ISSUE/REISSUE**
☒
☒

Letter sent to applicant

Register updated (date of decision, letter to applicant, and final tick)

IF ALL TICKED.....

RETURN FINAL COPIES
TO DISTRICT FILES

**Request for Statutory Approval
Application No. SR2484**

**Notice of Extension Of Time For Decision On Environmental Authority Under
Section 555 Of The *Environmental Protection Act 1994***

Subject: The Austral Brick Company Pty Ltd
Integrated Authority Application for various sites and activities
Including amendment application for mining activities

File No.: STH3748

Decision Due Date : 27 March 2003

Summary:

Austral applied for an Environmental Authority on 22 November 2002 for Environmentally Relevant Activities 17, 20(c), 22(c), 61, 75a and mining activities.

Austral have applied to integrate the authorities for all existing operations.

Further time is required for enable assessment of the application for amendment of a licence (without development approval) (SR363) received fully by the Environmental Protection Agency on February 2003. The approval of the Integrated Authority is pending assessment of the above-mentioned application to take effect.

Recommendation:

A Notice under Section 555 of the *Environmental Protection Act 1994* be sent to Austral to extend the statutory time to allow for assessment of the application for amendment to Licence no. SR363 .

The proposed extension is until **17 April 2003**.

Contact Officer:

Janet Pritchard
Senior Environmental Officer

73(2)Irrelevant

Matt Buchanan
Operations Manager - EPAct
Southern Region

73(2)Irrelevant

27/3/03



Notice of extension of decision period

Section 555 Environmental Protection Act 1994

This statutory notice is issued by the administering authority pursuant to section 555 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquires to : Matt Buchanan
Telephone : (07) 3225 8401
Your reference :
Our reference : STH3748

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke

Re: Application for an integrated authority by The Austral Brick Co. Pty Ltd to carry out Environmentally Relevant Activity 17 (fuel burning); 20 (c) (extraction of rock and other material); 22 (c) (screening etc materials); 61 (clay or ceramic products manufacturing) and 75(a)(vi)(waste disposal); Application for Amendment of Environmental Authority (Mining Activities) for mining leases 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50015, 50165 and 50189; and Application for an environmental authority (with development approval) to carry out Environmentally Relevant Activity 17 (fuel burning); 20 (c) (extraction of rock and other material); 22 (c) (screening etc materials); 61 (clay or ceramic products manufacturing) and 75(a)(vi)(waste disposal) on Lot 1 RP854704, German Church Road, Redland Bay.

The administering authority requires an extension of time to decide the above mentioned applications. A decision on the application will be made by 17 April 2003.

The extension of time is required for the following reasons:

- Further time is required for The Austral Brick Co. to review the draft licences and for any amendments to be incorporated into the final integrated authority.

You may apply to the administering authority for a review of this decision within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the Environmental Protection Act 1994 is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

73(2)Irrelevant

27 March 2003

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Fax



Queensland Government

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

To:	Rod Clarke – Austral Brick	Fax: 07 3849 4028
From:	Cathy Ufer, Southern Region	
Telephone:	(07) 3224 5097	Fax: (07) 3225 8723
E-mail:	cathy.ufer@epa.qld.gov.au	
Date:	27 March 2003	Pages: (including this page) 4
Subject:	Extension of time for decision on application	

Privacy and confidentiality notice

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* * * JOURNAL (27. MAR. 2003 11:12) * * *

TTI EPA SOUTHERN REGION 07 32258723

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: BATCH
M : MEMORY
S : STANDARD
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C : CONFIDENTIAL
L : SEND LATER
D : DETAIL
B : FAX ON DEMAND

\$: TRANSFER
@ : FORWARDING
F : FINE
* : PC

P : POLLING
E : ECM
> : REDUCTION
% : PC DIRECT

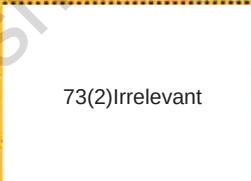
Application Number: SR2484

The Austral Brick Co Pty Ltd	
105 Gardner Road Rosedale 103 Riverview Road Riverview German Church Road Redland Bay Austel SE Qld Project	21(b) Mining activities 20(c) Extracting rock or other material 22(c) Screening etc materials 61 Clay or ceramic products manufacturing 17 Fuel burning 75(a)(vi) Waste disposal
Date Received	15/11/2003 <i>2</i>
Additional Information (S556) Date received + 10 business days	
Application Date Date received + 10 business days	
Decision Due Application date + 20 business days S555 RSA273	17/04/2003
Notification of Decision Decision date + 8 business days	2/05/2003
File Number	
Assessing Officer	

156

R S A Cover SheetType of Approval: SECTION 3.5.7-☐ Environmental Protection Act
☐ Noise EPP☒ Integrated Planning Act
☐ Air EPP☐ Environmental Protection Regulations
☐ Water EPPName: THE AUSTRAL BRICK COMPANY PTY LTDSITE address: GERMAN CHURCH ROAD
NEDLAND BAYContact Officer: M BUCHANANLicence No.: SR 0376 DA**FILE NUMBER:**STH 3748☒ Approved☐ Deferred☐ Not ApprovedDecision: Approved as submitted

73(2)Irrelevant

Manager's Signature: Date Approved: 25/2/03Date Posted: 26-2-03

Registered Post No.

Date Faxed: 26-2-03**OFFICE USE ONLY****LICENCE ISSUE/REISSUE**☐
☐
☐

Register updated

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 FILES**RSA NOT REQUIRING LICENCE ISSUE/REISSUE**☒
☒

Letter sent to applicant

Register updated (date of decision, letter to applicant, and final tick)

IF ALL TICKED.....

RETURN FINAL COPIES
TO DISTRICT FILES

**Request for Statutory Approval
Application No. SR0327DA**

**Notice of Extension Of Time For Decision On Environmental Authority Under
Section 3.5.7 Of The *Integrated Planning Act 1997***

Subject: The Austral Brick Company Pty Ltd
German Church Road, Redland Bay

c/- Allen Jermyn
Grandwork EMS Pty Ltd
Fax 3871 0021

File No.: STH3748

Decision Due Date: 25 February 2003

Summary:

Austral applied for a licence (with development approval) on 19 December 2002 for environmentally relevant activities 20(c) and 22 (c).

Austral have simultaneously applied for an integrated authority to incorporate 10 granted mining leases operating as four (4) mining projects, environmental relevant activities undertaken at two brick and paver manufacturing facilities (SR363 and SR1449) and the above mentioned environmental relevant activities.

Further time is required to reach agreement with the company on the content of the conditions of both the development application and the integrated authority.

Recommendation:

A Notice under Section 3.5.7 of the *Integrated Planning Act 1997* be sent to The Austral Brick Company Pty Ltd to extend the statutory time to allow for additional information to be provided.

The proposed extension is until **18 March 2003**.

73(2)Irrelevant

Contact Officer:

Matt Buchanan
Principal Environmental Officer

Lisa McMain
Operations Manager
Southern Region

73(2)Irrelevant

25/2/03



Notice requesting written agreement to the extension of decision making period

Section 3.5.7 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to section 3.3.6 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Matt Buchanan
Telephone : (07) 3224 6349
Your reference :
Our reference : STH3748

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Allen Jermyn,

Re: Application for development approval.

Following discussions concerning your development application, the Environmental Protection Agency, acting as assessment manager, request your written agreement to extend the decision making period by 15 business days.

With your agreement, the new date that this period will end is now 18 March 2003.

Application information

Applicant : The Austral Brick Co. Pty Ltd
Application received by EPA: 19 December 2003
EPA no: SR0376DA
Description: 20(c) 22(c) Extracting rock or other material, Screening etc. materials
Street address of subject land: German Church Rd, Redland Bay
Location details: Lot 1 RP854704

The *Integrated Planning Act 1997* (section 3.3.6) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001



Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request/decision making period.

Applicant signature

Printed name of applicant

Position of applicant

Should you require any further information please do not hesitate to contact Matthew Buchanan on 3224 6349.

Signed

25 February 2003

Date

Peter Smith
Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Published on DES Disclosure Log
RTI Act 2009



Notice requesting written agreement to the extension of decision making period

Section 3.5.7 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to section 3.3.6 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Matt Buchanan
Telephone : (07) 3224 6349
Your reference :
Our reference : STH3748/SR0376DA

The Austral Brick Co. Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Allen Jermyn,

Re: Application for development approval.

Following discussions concerning your development application, the Environmental Protection Agency, acting as assessment manager, request your written agreement to extend the decision making period by 15 business days.

With your agreement, the new date that this period will end is now 19 March 2003.

Application information

Applicant	The Austral Brick Co. Pty Ltd
Application received by EPA:	19 December 2003
EPA no:	SR0376DA
Description:	20(c) 22(c) Extracting rock or other material, Screening etc. materials
Street address of subject land:	German Church Rd, Redland Bay
Location details:	Lot 1 RP854704

The *Integrated Planning Act 1997* (section 3.5.7) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001



Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request/decision making period.

Applicant signature

Printed name of applicant

Position of applicant

Should you require any further information please do not hesitate to contact Matthew Buchanan on (07) 3224 6349.

73(2)Irrelevant

Signed

25 February 2003

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Published on DES Disclosure Log
RTI Act 2009

* * * JOURNAL (26. FEB. 2003 10:56) * * *

TTI EPA SOUTHERN REGION 07 32258723

(MANUAL PRINT)

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F : FINE
* : PC

P : POLLING
E : ECM
> : REDUCTION
% : PC DIRECT

DEVELOPMENT APPROVAL APPLICATION

Application Number

SR0376DA

The Austral Brick Co Pty Ltd	
German Church Road Redland Bay	20(c) Extracting rock or other material 22(c) Screening etc material
Application Received	19/12/2003
Information request to be sent by	7/01/2003
Information Request sent	
Information Received	
Target Dates	
Assessment Start Date Application date + 10 Days	7/01/2003
Response Date Assessment Start Date + 20 Days Extended by written agreement - twice	19/03/2003
File Number	
Assessing Officer	

R S A Cover Sheet

Type of Approval: SECTION 555 EXTENSION OF TIME
FOR DECISION ON APPLICATION

☒ Environmental Protection Act ☐ Integrated Planning Act ☐ Environmental Protection Regulations
☐ Noise EPP ☐ Air EPP ☐ Water EPP

Name: THE AUSTRAL BRICK CO. PTY LTD

SITE address: VARIOUS SITES AND ACTIVITIES
INCLUDING MINING

Contact Officer: J PRITCHARD

Licence No.: SR 2484 **FILE NUMBER:** STH 3748

☒ Approved ☐ Deferred ☐ Not Approved

Decision: Approved in principle

Manager's Signature: 73(2) Irrelevant Approved: 18/3/03 Date Posted: 19.3.03

Registered Post No. 18.3.03 Date Faxed: 18.3.03

OFFICE USE ONLY

LICENCE ISSUE/REISSUE	
☐ Register updated ☐ 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 FILES
RSA NOT REQUIRING LICENCE ISSUE/REISSUE	
☒ Letter sent to applicant ☒ Register updated (date of decision, letter to applicant, and final tick)	IF ALL TICKED..... RETURN FINAL COPIES TO DISTRICT FILES

**Request for Statutory Approval
Application No. SR2484**

**Notice of Extension Of Time For Decision On Environmental Authority Under
Section 555 Of The *Environmental Protection Act 1994***

Subject: The Austral Brick Company Pty Ltd
Integrated Authority Application for various sites and activities
Including amendment application for mining activities

File No.: STH3748

Decision Due Date : 18 March 2003

Summary:

Austral applied for an Environmental Authority on 22 November 2002 for Environmentally Relevant Activities 17, 20(c), 22(c), 61, 75a and mining activities.

Austral have applied to integrate the authorities for all existing operations.

Further time is required Austral to review the draft licences and for any amendments to be incorporated into the final integrated authority.

Recommendation:

A Notice under Section 555 of the *Environmental Protection Act 1994* be sent to Austral to extend the statutory time to allow for assessment of the application for amendment to Licence no. SR363 .

The proposed extension is until ^{March} ~~27 February~~ 2003.

Contact Officer:

Janet Pritchard
Senior Environmental Officer

73(2)Irrelevant

73(2)Irrelevant

17/3/03
Matt Buchanan
Operations Manager - EPAct
Southern Region

73(2)Irrelevant

18/3/03



Notice of extension of decision period

Section 555 Environmental Protection Act 1994

This statutory notice is issued by the administering authority pursuant to section 555 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquires to : Matt Buchanan
Telephone : (07) 3224 6349
Your reference :
Our reference : STH3748

The Austral Brick Co. Pty Ltd
105 Gardener Road
Rosedale QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
Taringa QLD 4068

Attention: Mr Rod Clarke

Re: Application for an integrated authority by The Austral Brick Co. Pty Ltd to carry out Environmentally Relevant Activity: 17 (fuel burning); 20 (c) (extraction of rock and other material); 22 (c) (screening etc materials); 61 (clay or ceramic products manufacturing) and 75(a)(vi)(waste disposal) and Application for Amendment of Environmental Authority (Mining Activities) for mining leases 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50015, 50165 and 50189.

The administering authority requires an extension of time to decide the above mentioned application. A decision on the application will be made by 27 March 2003.

The extension of time is required for the following reasons:

Further time is required for The Austral Brick Co. to review the draft licences and for any amendments to be incorporated into the final integrated authority.

DRAFT

Signed

17 March 2003

Date

Peter Smith
Manager (Licencing)
Delegate of Administering Authority
Environmental Protection Act 1994

R

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

521.

- (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) On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision-
 - (a) notice of the application (the "review notice");
 - (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, within 14 days after receiving the application-
 - (a) review the original decision;
 - (b) consider any submissions properly made by a recipient of the review notice; and
 - (c) 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 subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.



Stay of operation of original decisions

522.

- (1) If an application is made for review of an original decision, the applicant may immediately apply for a stay of the decision to-
 - (a) for an original decision mentioned in schedule 1, part 1 - the tribunal; or
 - (b) for an original decision mentioned in schedule 1, part 2 - the Court.
- (2) The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.
- (3) A stay may be given on conditions the tribunal or Court considers appropriate and has effect for the period stated by the tribunal or Court.
- (4) The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or Court allows the applicant to appeal against the review decision.

Who may appeal

531.

- (1) A dissatisfied person who is dissatisfied with a review decision, other than a review decision to which subdivision 1 applies, 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 521 does not apply may appeal against the decision to the Court.



Notice of extension of decision period

Section 555 *Environmental Protection Act 1994*

This statutory notice is issued by the administering authority pursuant to section 555 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquires to : Matt Buchanan
Telephone : (07) 3224 6349
Your reference :
Our reference : STH3748

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke

Re: Application for an integrated authority by The Austral Brick Co. Pty Ltd to carry out Environmentally Relevant Activity 17 (fuel burning); 20 (c) (extraction of rock and other material); 22 (c) (screening etc materials); 61 (clay or ceramic products manufacturing) and 75(a)(vi)(waste disposal) and Application for Amendment of Environmental Authority (Mining Activities) for mining leases 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50015, 50165 and 50189.

The administering authority requires an extension of time to decide the above mentioned application. A decision on the application will be made by 27 March 2003.

The extension of time is required for the following reasons:

Further time is required for The Austral Brick Co. to review the draft licences and for any amendments to be incorporated into the final integrated authority.

You may apply to the administering authority for a review of this decision within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the *Environmental Protection Act 1994* is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

73(2)Irrelevant

18 March 2003

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

521.

- (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) On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision-
 - (a) notice of the application (the "review notice");
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- (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, within 14 days after receiving the application-
 - (a) review the original decision;
 - (b) consider any submissions properly made by a recipient of the review notice; and
 - (c) 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 subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.



Stay of operation of original decisions

522.

- (1) If an application is made for review of an original decision, the applicant may immediately apply for a stay of the decision to-
 - (a) for an original decision mentioned in schedule 1, part 1 - the tribunal; or
 - (b) for an original decision mentioned in schedule 1, part 2 - the Court.
- (2) The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.
- (3) A stay may be given on conditions the tribunal or Court considers appropriate and has effect for the period stated by the tribunal or Court.
- (4) The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or Court allows the applicant to appeal against the review decision.

Who may appeal

531.

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- (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 521 does not apply may appeal against the decision to the Court.

* * * JOURNAL (18.MAR.2003 16:40) * * *

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F : FINE
* : PCP : POLLING
E : ECM
> : REDUCTION
% : PC DIRECT

232

R S A Cover Sheet

Type of Approval: SECTION 3.3.6
WRITTEN AGREEMENT TO EXTENSION

☐ Environmental Protection Act ☒ Integrated Planning Act ☐ Environmental Protection Regulations
☐ Noise EPP ☐ Air EPP ☐ Water EPP

Name: THE AUSTRAL BRICK CO Pty Ltd

SITE address: GERMAN CHURCH ROAD
REDLAND BAY

Contact Officer: J PRITCHARD

Licence No.: SR0376 DA **FILE NUMBER:** 5TH 3748

☒ Approved ☐ Deferred ☐ Not Approved

Decision: Approved as submitted

73(2)Irrelevant

Manager's Signature: [Signature] Date Approved: 18/3/03 Date Posted: 19.3.03

Registered Post No. Date Faxed:

OFFICE USE ONLY**LICENCE ISSUE/REISSUE**

- ☐ Register updated
☐ 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 FILES

RSA NOT REQUIRING LICENCE ISSUE/REISSUE

- ☒ Letter sent to applicant
☒ Register updated (date of decision, letter to applicant, and final tick)

IF ALL TICKED.....
RETURN FINAL COPIES
TO DISTRICT FILES

**Request for Statutory Approval
Application No. SR0327DA**

**Notice of Extension Of Time For Decision On Environmental Authority Under
Section 3.3.6 Of The *Integrated Planning Act 1997***

Subject: The Austral Brick Company Pty Ltd
German Church Road, Redland Bay

File No.: STH3748

Decision Due Date: 18 March 2003

Summary:

Austral applied for a licence (with development approval) on 19 December 2002 for environmentally relevant activities 20(c) and 22 (c).

Austral have simultaneously applied for an integrated authority to incorporate 10 granted mining leases operating as four (4) mining projects, environmental relevant activities undertaken at two brick and paver manufacturing facilities (SR363 and SR1449) and the above mentioned environmental relevant activities.

Further time is required for Austral to review the draft licences and for any amendments to be incorporated into the final integrated authority.

Recommendation:

A Notice under Section 3.3.6 of the *Integrated Planning Act 1997* be sent to The Austral Brick Company Pty Ltd to extend the statutory time to allow for additional information to be provided.

The proposed extension is until 27 March 2003.

73(2)Irrelevant

Contact Officer:

Janet Pritchard
Senior Environmental Officer

73(2)Irrelevant

73(2)Irrelevant

73(2)Irrelevant

Matt Buchanan
Acting Operations Manager
Southern Region



Notice requesting written agreement to the extension of decision making period

Section 3.3.6 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to section 3.3.6 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke,

Re: Application for development approval.

Following discussions concerning your development application, the Environmental Protection Agency, acting as assessment manager, request your written agreement to extend the decision making period by 7 business days.

With your agreement, the new date that this period will end is now 27 March 2003.

Application information

Applicant : The Austral Brick Co. Pty Ltd
Application received by EPA: 19 December 2003
EPA no: SR0376DA
Description: 20(c) 22(c) Extracting rock or other material, Screening etc. materials
Street address of subject land: German Church Rd, Redland Bay
Location details: Lot 1 RP854704

The *Integrated Planning Act 1997* (section 3.3.6) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001



Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request/decision making period.

Applicant signature

Printed name of applicant

Position of applicant

Should you require any further information please do not hesitate to contact Janet Pritchard on 3224 2763.

Signed

17 March 2003

Date

Peter Smith
Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994



Notice requesting written agreement to the extension of decision making period

Section 3.3.6 *Integrated Planning Act 1997*

This statutory notice is issued by the administering authority pursuant to section 3.3.6 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke,

Re: Application for development approval.

Following discussions concerning your development application, the Environmental Protection Agency, acting as assessment manager, request your written agreement to extend the decision making period by 7 business days.

With your agreement, the new date that this period will end is now 27 March 2003.

Application information

Applicant	The Austral Brick Co. Pty Ltd
Application received by EPA:	19 December 2003
EPA no:	SR0376DA
Description:	20(c) 22(c) Extracting rock or other material, Screening etc. materials
Street address of subject land:	German Church Rd, Redland Bay
Location details:	Lot 1 RP854704

The *Integrated Planning Act 1997* (section 3.3.6) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001



Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request/decision making period.

Applicant signature

Printed name of applicant

Position of applicant

Should you require any further information please do not hesitate to contact Janet Pritchard on 3224 2763.

73(2)Irrelevant

18 March 2003

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Published on DES Disclosure Log
RTI Act 2009

GROUNDWORKResources • Environment
Land Use**FACSIMILE
MESSAGE**

SM2003/2648

Signed Pritchard

URGENT

TO: JANET PRITCHARD

FROM: ALLEN JERMYN

DATE: 17/3/03

FAX NO. 3225 8723

REFERENCE:

NO. OF PAGES: 3 (including cover page)

RE: DA EXTENSION - SR 0376 DA.

MESSAGE:JANET: SIGNED AGREEMENT FOLLOWS
AS REQUESTED

Regardz

73(2) Irrelevant

admin/stationary/fax hw

17. MAR. 2003 17:08

EPA SOUTHERN REGION 07 32258723

NO. 7516 P. 2



Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Southern Regional Office (Brisbane)
GPO Box 2771 BRISBANE QLD 4001
Phone: (07) 3224 5641 Fax: (07) 3225 8723
www.env.qld.gov.au ABN: 87221158786

Notice requesting written agreement to the extension of decision making period

Section 3.3.6 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to section 3.3.6 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke,

Re: Application for development approval.

Following discussions concerning your development application, the Environmental Protection Agency, acting as assessment manager, request your written agreement to extend the decision making period by 7 business days.

With your agreement, the new date that this period will end is now 27 March 2003.

Application information

Applicant: The Austral Brick Co. Pty Ltd
Application received by EPA: 19 December 2003
EPA no: SR0376DA
Description: 20(c) 22(c) Extracting rock or other material, Screening etc. materials
Street address of subject land: German Church Rd, Redland Bay
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The *Integrated Planning Act 1997* (section 3.3.6) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001

17. MAR. 2003 17:08

EPA SOUTHERN REGION 07 32258723

NO. 7516 P. 3



Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Notice requesting agreement to
the extension of information request / decision making period.

Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request/decision making period.

73(2) Irrelevant

Applicant signature

THE AUSTRAL BRICK CO PTY LTD

Printed name of applicant

17/3/03.

AUTHORISED AGENT FOR
THE AUSTRAL BRICK CO
PTY LTD.

Position of applicant

Should you require any further information please do not hesitate to contact Janet Pritchard on 3224 2763.

17 March 2003

Date

Signed

Peter Smith
Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

06/01

Page 2 of 2

157

R S A Cover Sheet

Type of Approval: SECTION 335(2) - EXTENSION OF TIME FOR
DECISION ON APPLICATION

☒ Environmental Protection Act ☐ Integrated Planning Act ☐ Environmental Protection Regulations
☐ Noise EPP ☐ Air EPP ☐ Water EPP

Name: THE AUSTRAL BRICK COMPANY PTY LTD

SITE address: 105 GARDNER ROAD ROCHEDALE
103 RIVERVIEW ROAD RIVERVIEW
GERMAN CHURCH ROAD REDLAND BAY
AUSTAL SF QLD PROTECT

Contact Officer: M. BUCHANAN

Licence No.: SR 2484 **FILE NUMBER:** STH 3748

☒ Approved ☐ Deferred ☐ Not Approved

Decision: Approved as submitted

73(2) Irrelevant

Manager's Signature: [Signature] Approved: 25/2/03 Date Posted: 26.2.03
 Registered Post No. Date Faxed: 26.2.03

OFFICE USE ONLY

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

**Request for Statutory Approval
Application No. SR2484**

**Notice of Extension Of Time For Decision On Environmental Authority Under
Section 555 Of The *Environmental Protection Act 1994***

Subject: The Austral Brick Company Pty Ltd
Integrated Authority Application for various sites and activities
Amendment application for mining activities
Application for environmental authority (with development approval)

File No.: STH3748

Decision Due Date : 26 February 2003

Summary:

Austral applied for an Environmental Authority on 22 November 2002 for Environmentally Relevant Activities 17, 20(c), 22(c), 61, 75a and mining activities.

Austral have applied to integrate the authorities for all existing operations.

The conditions of the draft environmental authority have been substantially agreed between the company and the EPA, however further time is required to complete the negotiations on certain conditions.

Recommendation:

A Notice under Section 555 of the *Environmental Protection Act 1994* be sent to Austral to extend the statutory time to allow for assessment of the application.

The proposed extension is until **18 March 2003**.

Contact Officer:

Matt Buchanan
Principal Environmental Officer

73(2)Irrelevant

73(2)Irrelevant

73(2)Irrelevant

Lisa McMain
Operations Manager - EPAct
Southern Region



Notice of extension of decision period

Section 555 Environmental Protection Act 1994

This statutory notice is issued by the administering authority pursuant to section 555 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquires to : Matt Buchanan
Telephone : (07) 3224 6349
Your reference :
Our reference : STH3748/SR2484

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke

Re: Application for an integrated authority by The Austral Brick Company to carry out Environmentally Relevant Activities 17 Fuel burning; 20(c) Extracting rock or other material; 22(c) Screening etc materials; 61 Clay or ceramic products manufacturing and 75(a)(vi) Waste disposal and Application for Amendment of Environmental Authority (Mining Activities) for mining leases 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50015, 50165 and 50189.

The administering authority requires an extension of time to decide the above mentioned application. A decision on the application will be made by 19 March 2003.

The extension of time is required for the following reasons:

- To enable further time to continue negotiations about the proposed conditions of the Integrated Authority and associated development application (SR0376DA).

You may apply to the administering authority for a review of this decision within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the *Environmental Protection Act 1994* is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

73(2)Irrelevant

25 February 2003

Signed

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

521.

- (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) On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision-
 - (a) notice of the application (the "review notice");
 - (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, within 14 days after receiving the application-
 - (a) review the original decision;
 - (b) consider any submissions properly made by a recipient of the review notice; and
 - (c) 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 subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.

Stay of operation of original decisions

522.

- (1) If an application is made for review of an original decision, the applicant may immediately apply for a stay of the decision to-
 - (a) for an original decision mentioned in schedule 1, part 1 - the tribunal; or
 - (b) for an original decision mentioned in schedule 1, part 2 - the Court.
- (2) The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.
- (3) A stay may be given on conditions the tribunal or Court considers appropriate and has effect for the period stated by the tribunal or Court.
- (4) The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or Court allows the applicant to appeal against the review decision.

Who may appeal

531.

- (1) A dissatisfied person who is dissatisfied with a review decision, other than a review decision to which subdivision 1 applies, 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 521 does not apply may appeal against the decision to the Court.

* * * JOURNAL (26. FEB. 2003 9:38) * * *

TTI EPA SOUTHERN REGION 07 32258723

(MANUAL PRINT)

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: BATCH
M : MEMORY
S : STANDARD
!\$: REMOTE TRANSFER

C : CONFIDENTIAL
L : SEND LATER
D : DETAIL
B : FAX ON DEMAND

\$: TRANSFER
@ : FORWARDING
F : FINE
* : PC

P : POLLING
E : ECM
> : REDUCTION
% : PC DIRECT

Application Number: SR2484

The Austral Brick Co Pty Ltd	
105 Gardner Road Rosedale 103 Riverview Road Riverview German Church Road Redland Bay Austel SE Qld Project	21(b) Mining activities 20(c) Extracting rock or other material 22(c) Screening etc materials 61 Clay or ceramic products manufacturing 17 Fuel burning 75(a)(vi) Waste disposal
Date Received	15/11/2002
Additional Information (S556) Date received + 10 business days	
Application Date Date received + 10 business days	
Decision Due Application date + 20 business days S555 RSA157	19/03/2003
Notification of Decision Decision date + 8 business days	31/03/2003
File Number	
Assessing Officer	

Fax



Queensland Government

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

To:	Allen Jermyn	Fax:	38710021
From:	Matthew Buchanan, Southern Region		
Telephone:	(07) 3224 6349	Fax:	(07) 3225 8723
E-mail:	Matt.Buchanan@epa.qld.gov.au		
Date:	12 February 2003	Pages:	29 (including this page)
Subject:	Draft Integrated Authority		
Reference:	SR2482		

Allen

Please find attached a draft integrated authority for The Austral Brick Company.

The final rehabilitation outcomes / final land use on page 15 and 16 are still pending, while I await comment from our planning dept and local government where applicable. All conditions are subject to final approval from within EPA.

Please note that the conditions for the development approval for Redland Bay are not yet finalised but it is our intention to have them the same as the mining conditions where possible.

Your comments on the draft would be appreciated.

Regards

73(2)Irrelevant

12/2/03

Matthew Buchanan
EPA Southern Region (Mining and Extractive)
Environmental Protection Agency

cc.

The Austral Brick Company
Attn: Rod Clark
Fax: 38494028
For your comment.

Privacy and confidentiality notice

The information contained in this facsimile is intended for the named recipient/s only. It may contain privileged and confidential information and if you are not an intended recipient, you must not copy, distribute or take any action in reliance on it. If you have received this facsimile in error, please notify the sender.



Integrated Authority No. SR2484

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:**

The Austral Brick Company Pty Ltd
 105 Gardner Road
 ROCHEDALE QLD 4xxx

**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 dd/mm.

This integrated authority takes effect from

Signed

Date

Peter Smith
A/ Manager (Licensing)
 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.

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

Part 1: Licence (with development approval) (Section 86)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
Part 1 all schedules	20(c)	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 100,000t or more per year.	1	RP854704	Parish of Redland German Church Road REDLAND BAY
Part 1 all schedules	22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining authority) or by dredging using plant or equipment having a design capacity of 100,000 tonnes or more per year.	1	RP854704	Parish of Redland German Church Road REDLAND BAY

Part 2: Licences (without development approval) (Section 93)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
ROCHEDALE PLANT					
Part 2 all schedules Part 4 all schedules	17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
Part 2 all schedules Part 4 all schedules	61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
Part 2 all schedules Part 4 all schedules	75(a)(vi)	Waste disposal - operating a facility for disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of 50 000 t or more, but less than 75 000 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
RIVERVIEW PLANT					
Part 2 all schedules Part 4 all schedules	17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW
Part 2 all schedules Part 4 all schedules	22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining authority) or by dredging using plant or	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW

		equipment having a design capacity of 100,000 tonnes or more per year.			
Part 2 all schedules Part 4 all schedules	61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW

Part 3: Environmental authority (mining lease) (Section 258)

Applicable Part & Schedule(s)	ERA No.	ERA name	Mining Lease Number	Location
Part 3 all schedules Part 4 all schedules		Section 18(a) of the <i>Environmental Protection Act 1994</i> : Mining Activities	1167 1151 1152 1156 1165 50165 50189 50035 4578 50115	Douglas Street OXLEY Gardner Road ROCHEDALE Ford Road BURBANK Gardner Road ROCHEDALE Gardner Road ROCHEDALE Gardner Road ROCHEDALE Gardner Road ROCHEDALE German Church Road REDLAND BAY Patrick Street SWANBANK Whitwood Road NEW CHUM
		Schedule 6 of the <i>Environmental Protection Regulation 1998</i> . Item 11B mining activities, other than a standard mining activity, carried out using equipment and plant having a mineral ore throughput of more than 100,000t during a year but less than 500,000t a year.		

Part 4: Conditions common to Parts 2 and 3

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
ROCHEDALE PLANT, RIVERVIEW PLANT and ALL MINING LEASES					
Parts 2 and 3 – all schedules Part 4		All ERAs listed in Parts 2 and 3			All locations listed in Parts 2 and 3

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 integrated authority incorporates the following parts:

- Part 1 - Licence (with development approval)
- Part 2 - Licences (without development approval)
- Part 3 - Environmental authority (mining lease)
- Part 4 - Conditions applicable to both Part 2 (Licences [Without Development Approval][Section 93]) AND Part 3 (Environmental Authority [Mining Lease] [Section 258])

Each part consists of conditions relevant to various issues.



PART 1 - LICENCE(S) (WITH DEVELOPMENT APPROVAL) (Section 86)

Applicable Sites – German Church Road Extractive Operation only

This part and its conditions must be considered in conjunction with any conditions imposed on your development approval(s) granted under the Integrated Planning Act 1997 or its equivalent for the activities under this part.

Part 1 Schedule A - General conditions

- (1:A1-1) Provide a financial assurance in the amount and form and at a time required by the administering authority.

(1:A1-2) FA remains in force until

END OF CONDITIONS FOR SCHEDULE A

Part 1 Schedule I - Definitions

“Administering authority” means the Environmental Protection Agency or its successor.

END OF CONDITIONS FOR SCHEDULE I

Part 1 Schedule J - Site Plans

There are no conditions prescribed in this schedule.

END OF CONDITIONS FOR SCHEDULE J

END OF PART 1

PART 2 - LICENCE(S) (WITHOUT DEVELOPMENT APPROVAL) (Section 93)

Applicable Sites – Riverview and Rochedale Brick Manufacturing Plants

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. The conditions in this Part of this Integrated Environmental Authority are in addition to those contained in all of Part 4 of this Integrated Environmental Authority.

Part 2 Schedule A - General conditions

Refer to Part 4 Schedule A of this integrated authority.

END OF CONDITIONS FOR PART 2 SCHEDULE A

Part 2 Schedule B - Air

Nuisance

- (2:B1-2) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

The Release of Contaminants to the Atmosphere

- (2:B2-1) The release of contaminants to the atmosphere from a point source must only occur from those release points identified in Part 2 Schedule B - Table 1 and must be directed vertically upwards without any impedance or hindrance.
- (2:B2-2) Contaminants must be released to the atmosphere from a release point at a height and a flow rate not less than the corresponding height and velocity stated for that release point in Part 2 Schedule B - Table 1 and not more than the efflux temperature stated for that release point in Part 2 Schedule B - Table 1.
- (2:B2-3) Contaminants must not be released to the atmosphere from a release point at a mass emission rate/concentration, as measured at a monitoring point, in excess of that stated in Part 2 Schedule B - Table 1 and monitored not less frequently than Part 2 Schedule B Table 1.
- (2:B2-4) Monitoring provisions and monitoring points must be provided for all the release points listed in Part 2 Schedule B, Table 1. The monitoring provisions and monitoring points must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions".
- (2:B2-5) The holder of this environmental authority must conduct a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameters specified in Part 2 Schedule B, Table 1 and which complies with the following:
- (a) All determinations of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
 - (b) All determinations of the quality and quantity of contaminants released to the atmosphere must be made in accordance with methods prescribed in the Department of Environment Air Quality Sampling Manual, November 1997, or more recent editions or supplements to that document as such become available.
 - (c) The following tests must be performed for each required determination specified in Part 2 Schedule B, Table 1:
 - (i) gas velocity and volume flow rate;

- (ii) temperature; and
- (iii) water vapour concentration.
- (d) Where practicable, samples taken must be representative of the contaminants discharged when emissions are expected to be maximum,
- (e) During the sampling period the following additional information must be gathered:
 - (i) production rate;
 - (ii) equipment operating;
 - (iii) product made;
 - (iv) date of sampling;
 - (v) start and end time of sampling;
 - (vi) fuel rate;
 - (vii) fluoride concentration in the mixture of clay used before and after fired (Rochedale only); and
 - (viii) proportion of each raw clay used (Rochedale only).
- (f) Oxides of nitrogen must be calculated as NO^2 at a 7 percent oxygen level and total particulates must be determined where gas volume is calculated to 12 percent CO^2 .

Part 2 Schedule B - Table 1 (Release of contaminants)

Release point number	Minimum release height (metres)	Minimum velocity (m/sec)	Minimum efflux temp (°C)	Contaminant	Release Limit	Sampling frequency
Riverview Plant A1 - Swindell Dressler Tunnel Kiln	25	8	n/a	Concentration total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Concentration nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
Rochedale Plant A1 - Swindell Dressler Tunnel Kiln	30	8.7	126	Total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.35	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually
Rochedale Plant A2 - Ceric Tunnel Kiln	15	9.5	124	Total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.88	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually

Riverview Plant

- (2:B3-1) Total Fluoride emissions from the release point numbered A1 at the Riverview Plant must not result in Ground Level Concentrations (GLC's) in excess of 3.7 ug/m³ for an averaging time of 12 hours and 0.5 ug/m³ for an averaging time of 90 days, beyond the boundaries of the licensed place.
- (2:B3-2) For the purposes of checking conformity with condition 2:B3-1, the results of the Fluoride monitoring as required in Part 2 Schedule B - Table 1 must be expressed as ugHF/m³ and modelled using an Appropriate Air Pollution Dispersion Modelling Program to determine the Ground Level Concentrations for the 12 hour and 90 day averaging time.
- (2:B3-3) The only fuel to be used in the Swindell Dressler Tunnel Kiln is natural gas.
- (2:B3-4) There must be no visible emission from release point number A1.

Rochedale Plant

- (2:B4-1) The only fuel to be used in the Swindell Dressler Tunnel Kiln (A1) and the Ceric Tunnel Kiln (A2) is natural gas.

- (2:B4-2) There must be no visible emission from release point numbers A1 or A2.
- (2:B4-3) The holder of this environmental authority must conduct a vegetation survey to detect chemical fumigation when there is non-compliance with any limit in Part 2 Schedule B – Table 1 and/or with the fluoride mass emission rate in Part 2 Schedule B – Table 1, or within three (3) years of the last vegetation survey submitted to the administering authority.
- (2:B4-4) The vegetation survey required by condition 2:B4-3 must be conducted at Boorabbin Picnic Ground, along Stackpole Street, F R Caterson Park, along Mt Petrie Road, Gardner Road and Prebble Street.
- (2:B4-5) A person or body possessing appropriate experience and qualifications must perform the vegetation survey required by condition 2:B4-3 of this environmental authority.
- (2:B4-5) The holder of this environmental authority must ensure the data collected by conditions 2:B2-5 and 2:B4-3 of this environmental authority is analysed and interpreted to assess the nature and extent of any environmental impact of the environmentally relevant activity. The data, analysis and assessment must be submitted to the administering authority within three (3) months of the completion of any vegetation survey required by condition 2:B4-3.

END OF CONDITIONS FOR PART 2 SCHEDULE B

Part 2 Schedule C - Water

Release to waters – Rochedale Plant only

- (2:B1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Part 2 Schedule C - Table 1 and comply with the contaminant limits defined in Part 2 Schedule C - Table 2.

Part 2 Schedule C - Table 1 (Water monitoring locations and frequency)

Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"

Part 2 Schedule C - Table 2 (Discharge contaminant limits)

Monitoring Point	Parameter	Minimum	Maximum
R3	pH	6.5	9
	Dissolved oxygen (mg/L)	6	-
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*

Stormwater Management Plan – Rochedale Plant Only

- (2:B2-1) The holder of this environmental authority must have developed and implemented an effective and appropriate Stormwater Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from the contamination of stormwater at the licensed place.
- (2:B2-2) The Stormwater Management Plan must address at least the following matters:
- a) prevention of incident stormwater and stormwater runoff from contacting wastes or contaminants; and
 - b) diversion of upstream runoff away from areas containing wastes or contaminants; and
 - c) minimisation of the size of contaminated areas; and
 - d) cleaning of contaminated areas without water; and
 - e) installation and maintenance of pollution control equipment such as oil separators, silt and rubbish traps, and stormwater diversion systems; and
 - f) installation and maintenance of sediment control measures for stormwater such as by means of coagulation, sedimentation, dissolved air flotation, settling basins or other suitable means; and
 - g) paving and roofing of contaminated areas; and
 - h) revegetation of exposed or disturbed areas; and
 - i) diversion of upstream runoff from exposed or disturbed areas and stockpiles; and
 - j) sampling and monitoring of stormwater discharges from the licensed place to waters for parameters including the following:
 - i. total dissolved solids,
 - ii. suspended solids,
 - iii. pH, and
 - iv. dissolved oxygen.

Sedimentation Basin (Riverview Plant Only)

- (2:B3-1) The sedimentation basin is to be constructed in accordance with a design given in correspondence dated 28 January 1993 from WBM Pty Ltd to Brick and Pipe Industries Pty Ltd.
- (2:B3-2) Stormwater runoff in excess to the design storage capacity is to bypass the sedimentation basin.
- (2:B3-3) The design storage capacity of the sedimentation basin is to be regained as soon as practicable after the end of a storm event in readiness for the next event.

END OF CONDITIONS FOR PART 2 SCHEDULE C

Part 2 Schedule D - Noise and Vibration

Refer to Part 2 Schedule D of this authority.

END OF CONDITIONS FOR PART 2 SCHEDULE E

Part 2 Schedule E – Waste

The conditions of this Part 2 Schedule E Waste Schedule apply to the Rochedale Plant only, in addition to those conditions in Part 4 Schedule E.

Waste Management Plan (WMP)

- (2:E1-1) The holder of this environmental authority, must develop and implement an effective and appropriate Waste Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from all wastes produced at the licensed place.
- (2:E1-2) The Waste Management Plan must address at least the following matters:
- (a) the quantity and nature of each waste produced;
 - (b) the current method of disposal;
 - (c) proposed methods of pre-treatment or disposal;
 - (d) expected reduction in quantity of waste produced through waste minimisation and cleaner production;
 - (e) investigation and evaluation of alternative treatment options;
 - (f) areas to be set aside for the segregation and storage of recyclable solid wastes;
 - (g) where a no-cost recycling service is available, reasonable and practicable steps must be taken to ensure recyclable waste is not deposited in the general waste stream. Such steps may include, but are not limited to provision of receptacles; suitable signage; and promotion of awareness among staff of the recycling service.
 - (h) provisions for carrying out and submitting to the administering authority a waste audit within 12 months from the date of issue of this environmental authority and thereafter every five (5) years.
- (2:E1-3) A copy of the Waste Management Plan and subsequent amendments, must be kept at the licensed place and must be made available to any authorised person or the administering authority on request.
- (2:E1-4) The holder of this environmental authority must not implement a Waste Management Plan or amend a Waste Management Plan where such implementation or amendment would result in a contravention of any condition of this environmental authority.

On Site Waste Disposal

- (2:E2-1) The defined on site waste disposal area is described as "Waste Disposal Area" delineated on plan titled Site Layout Drawing No. 407.026A.
- (2:E2-2) Only the following general waste, which is generated by the brickworks operation, is to be disposed of at the Waste Disposal Area:
- (i) broken and reject bricks, pavers and other ceramic products;
 - (ii) timber;
 - (iii) plastic, paper and cardboard; and
 - (iv) concrete and concrete products with or without reinforcing steel.
- (2:E2-3) Where general waste associated with the manufacture of bricks or pavers on the licensed place is disposed of on the premises (other than as permitted by another schedule of this environmental authority), the holder of this environmental authority must monitor and record:
- (a) the date, quantity and type of waste disposed; and
 - (b) the location of disposal of the waste; and

(c) the method of disposal of the waste.

(2:E2-4) Appropriate signs must be prominently displayed at the waste disposal area or appropriate written instructions must be given to all persons responsible for depositing waste:

The signs or written instructions must at least indicate:

- (i) the types of waste that may be disposed;
- (ii) the types of waste which must not be disposed;
- (iii) the location where the wastes must be deposited within the general waste disposal area, and
- (iv) that open burning of waste is prohibited.

(2:E2-5) Wastes must not be deposited beyond the boundaries of the waste disposal area.

(2:E2-6) Regulated waste must not be stored or disposed of or deposited in the waste disposal area.

Security

(2:E3-1) The holder of this environmental authority must prevent any unauthorised disposal of waste on or in the licensed place.

(2:E3-2) The holder of this environmental authority must ensure that all access gates are locked when the licensed place is unattended.

END OF CONDITIONS FOR PART 2 SCHEDULE E

Part 2 Schedule F - Land

Release of Contaminants to Land

(2:F1-1) There must be no release nor likelihood of release of any contaminants to land that may cause environmental harm or contribute to contamination of such land.

END OF CONDITIONS FOR PART 2 SCHEDULE F

Part 2 Schedule G - Community

Refer to Part 2 Schedule G of this authority.

END OF CONDITIONS FOR PART 2 SCHEDULE G

END OF PART 2

PART 3 - ENVIRONMENTAL AUTHORITY (MINING LEASE) (Section 258)

This part is for the carrying out of an environmental authority (mining activities) for a mining lease under chapter 5, parts 1, 2 and 6 of the Environmental Protection Act 1994. The conditions in this Part of this Integrated Environmental Authority are in addition to those contained in all of Part 4 of this Integrated Environmental Authority.

Part 3 Schedule A - General

Financial Assurance

- (3:A1-1) Provide a financial assurance in the amount and form required by the administering authority prior to the commencement of activities proposed under this environmental authority.

NOTE: The calculation of financial assurance for condition (3:A1-1) must be in accordance with Guideline 17 and may include a performance discount. The amount is defined as the maximum total rehabilitation cost for complete rehabilitation of all disturbed areas, which may vary on an annual basis due to progressive rehabilitation. The amount required for the financial assurance must be the highest Total Rehabilitation Cost calculated for any year of the Plan of Operations and calculated using the formula: (Financial Assurance = Highest Total Annual Rehabilitation Cost x Percentage Required)

- (3:A1-2) The financial assurance is to remain in force until the administering authority is satisfied that no claim on the assurance is likely.

NOTE: Where progressive rehabilitation is completed and acceptable to the administering authority, progressive reductions to the amount of financial assurance will be applicable where rehabilitation has been completed in accordance with the acceptance criteria defined within this environmental authority.

END OF CONDITIONS FOR PART 3 SCHEDULE A

Part 3 Schedule B - Air

Refer to Part 4 Schedule B of this Integrated Authority.

END OF CONDITIONS FOR PART 3 SCHEDULE B

Part 3 Schedule C - Water

Release to waters

- (3:C1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Part 3 Schedule C - Table 1 and comply with the contaminant limits defined in Part 4 Schedule C - Table 2.

Part 3 Schedule C - Table 1 (Water monitoring locations and frequency)

Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)				
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"
R4	Background for points R2 and R6	510500	6951200	When points R2 and/or R6 are sampled
R2	Discharge	510880	6951600	Pumped Release
R5	Discharge	511470	6952600	"Event Release"
Burbank Lease (ML1152)				
B1	Discharge	513890	6949050	"Event Release"
Redland Bay Lease (ML50035)				
RB1	Discharge	526590	6943600	"Event Release"
RB2	Discharge	526350	6943600	"Event Release"
RB3	Discharge	526160	6943250	"Event Release"
Oxley Lease (ML1167)				
O1	Discharge	497350	6951000	Pumped Release

Part 3 Schedule C - Table 1 (Receiving water monitoring locations and frequency)

Monitoring Point	Parameter	Minimum	Maximum
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)			
R2 and R6	pH	6.5	9
	Dissolved oxygen (mg/L)	6	-
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R4*
R3	pH	6.5	9
	Dissolved oxygen (mg/L)	6	-
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*
Burbank Lease (ML1152)			
B1	pH	6.5	9
	Dissolved oxygen (mg/L)	6	-
	Total Suspended Solids (mg/L)	-	50
Redland Bay Lease (ML50035)			
RB1, RB2, RB3	pH	6.5	9
	Dissolved oxygen (mg/L)	6	-
	Total Suspended Solids (mg/L)	-	50
Oxley Lease (ML1167)			
O1	pH	6.5	9
	Dissolved oxygen (mg/L)	6	-
	Total Suspended Solids (mg/L)	-	50

* for the same monitoring event

Part 3 Schedule D - Noise and vibration

Refer to Part 4 Schedule D of this integrated authority.

END OF CONDITIONS FOR PART 3 SCHEDULE D

Part 3 Schedule E - Waste

Refer to Part 4 Schedule E of this integrated authority.

END OF CONDITIONS FOR PART 3 SCHEDULE E

Part 3 Schedule F - Land

Rehabilitation landform criteria

- (3:F1-1) All areas significantly disturbed by mining activities must be rehabilitated in accordance with Part 3 Schedule F – Table 1.

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Tenure ID	Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
SWANBANK LEASE			
ML4578	Mine voids	17.2	Industrial (Landfill)
	Stockpile areas	3.3	Industrial
	Spoil stockpiles	10	Industrial
	Roads / power line easements	3.3	No rehabilitation required - retain
	Water Storages	0.8	No rehabilitation required - retain

Rehabilitation Outcome – Industrial, Industrial (Landfill) or Residential

- (3:F2-1) Disturbed land nominated for industrial or residential rehabilitation outcome will be considered rehabilitated when the land is stabilised and does not, or will not have potential to cause environmental harm to the environmental values.
- (3:F2-2) Despite 3:F2-1, disturbed land and/or mine voids remaining at the end of mine life and nominated for the rehabilitation outcome of Industrial (landfill), will only be considered suitable for surrender when a development approval and environmental authority (with development approval) application (or applicable local government and environmental approvals relevant at the time) has been approved for the landfill activities.
- (3:F2-3) In the event of an unsuccessful development application (or other requirement at the time) for landfill, an application must be made by the holder of this environmental authority to nominate an alternative rehabilitation outcome.
- (3:F2-4) To remove any doubt, the nomination of the final land use of industrial, industrial (landfill) or residential in Part 3 Schedule F Table 1, does not negate any local or state government planning or approval requirements for the development of that land.

Rehabilitation Outcome – Native Ecosystem

- (3:F3-1) Areas that are to be rehabilitated to native ecosystem must comply with the following outcomes:
- achievement of a self sustaining native ecosystem with a species composition and distribution similar to the pre-mining species composition and distribution; and
 - the landform must be suitable to support the ecosystem in 3:F3-1 a), not impede pre-mining fauna corridors and be stable and non-polluting.
- (3:F3-2) Complete an investigation into rehabilitation of disturbed areas and submit a report to the administering authority proposing acceptance criteria to meet the outcomes in F3-1. A report on the investigation, which will propose acceptance criteria, must be submitted to the administering authority by 30 June 2005.

Part 3 Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule)

Tenure ID	Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
ROCHEDALE LEASES			
ML1151	Infrastructure (brick manufacturing and ancillary facilities)	22.5	Industrial
	Mine void	7.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	4.0	No rehabilitation required - retain
ML1156	Mine void	31.5	Industrial (Landfill) or Industrial
	Sediment traps / water basins	2.0	Industrial (Landfill) or Wetland Type 1
	Amenity banks / buffers		No rehabilitation required - retain
ML1165	Mine void	5.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	0.8	No rehabilitation required - retain
ML50165	Mine void	3.7	Wetland Type 2 (Native ecosystem?)
	Amenity banks / buffers	3.2	No rehabilitation required - retain
ML50189	Mine void	5.2	Wetland Type 2 (Native ecosystem?) SPPKC
	Amenity banks / buffers	1.6	No rehabilitation required - retain
BURBANK LEASE			
ML1152	Mine void	24	Native Ecosystem
	Sediment traps / water basins	0.6	Wetland Type 1
	Roads	1	No rehabilitation required - retain
	Buffer	8.8	No rehabilitation required - retain
REDLAND BAY LEASE			
ML50035	Mine void	17.2	Industrial (Native ecosystem?) SPPKC
	Sediment traps / water basins	1	Wetland Type 2
	Roads	0.8	No rehabilitation required - retain
	Buffer	4	No rehabilitation required - retain
OXLEY LEASE			
ML1167	Mine void	7.8	Industrial (Landfill) or Industrial
	Sediment traps / water basins	0.5	Wetland Type 1
	Roads	0.5	No rehabilitation required - retain
	Buffer	6.6	No rehabilitation required - retain / Residential
NEW CHUM LEASE			
ML50115	Mine voids	31.0	Industrial (Landfill)* or Industrial
	Spoil stockpiles	13	Industrial
	Roads	3.0	No rehabilitation required - retain
	Water Storages	1.5	No rehabilitation required - retain

Rehabilitation Outcome – Wetland Type 1 (rehabilitated sediment dams)

- (3:F4-1) Areas that are to be rehabilitated to wetland type 1 outcome will be considered rehabilitated when the dams are revegetated with species appropriate to filter contaminants from the water, and water discharges from the dams do not exceed 50mg/L total suspended solids.

Rehabilitation Outcome – Wetland Type 2 (water filled voids)

- (3:F5-1) Complete an investigation into rehabilitation of disturbed areas to wetland type 2 outcome and submit a report to the administering authority proposing acceptance criteria. A report on the investigation and proposals for acceptance criteria must address:
- a) water quality to be achieved in the water filled void;
 - b) water quality to be achieved for any discharges from the void; and
 - c) revegetation standards to be met for the fringes of the void.
- and the report must be submitted to the administering authority by 30 June 2005.

Buffer Zones

- (3:F6-1) There must be no mining activities conducted in the buffer zones or wildlife corridor areas identified in Figures 20, 21, 22 and 23 of the *Project EMOS*, other than for the construction or removal of amenity banks, environmental control works, and activities involved with access or provision of services to the lease areas.

Open Area and Progressive Rehabilitation

- (3:F7-1) The *open area* for each relevant mining lease must not exceed the area described in Schedule F Table 2.

Schedule F Table 2 – Open Area Limits

Tenure	Location	Open Area Limit (Ha)
ML 50189	Gardner Rd, Rochedale	2.5
ML 1152	Ford Road, Burbank	4
ML 50035	German Church Road Redland Bay	6

- (3:F7-2) Subject to condition 3:F7-1, progressive rehabilitation must commence within three years of areas become available within the operational land.

Infrastructure

- (3:F8-1) All infrastructure, constructed by or for the environmental authority holder during the mining activities including water storage structures, must be removed from the site prior to mining lease surrender, except where agreed in writing by the post mining land owner / holder.

NOTE: This is not applicable where the landowner / holder is also the environmental authority holder.

END OF CONDITIONS FOR PART 3 SCHEDULE F

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Part 3 Schedule G - Community

Refer to Part 4 Schedule G of this integrated authority

END OF CONDITIONS FOR PART 3 SCHEDULE F

END OF PART 4

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PART 4 – CONDITIONS APPLICABLE TO BOTH PART 2 (LICENCES [WITHOUT DEVELOPMENT APPROVAL][Section 93]) AND PART 3 (ENVIRONMENTAL AUTHORITY [MINING LEASE] [Section 258])

Applicable Sites – Riverview and Rochedale Brick Manufacturing Plants and all mining leases.

This part contains conditions that are applicable to all locations and environmental authority types contained within Part 3 and Part 4 of this Integrated Authority.

Part 4 Schedule A - General conditions

Prevent and /or minimise likelihood of environmental harm

- (4:A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of Measures, Plant and Equipment

- (4:A2-1) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - maintain such measures, plant and equipment in a proper condition; and
 - operate such measures, plant and equipment in a proper manner.

Records

- (4:A3-1) Record, compile and keep all monitoring results required by Parts 2, 3 and 4 of this integrated authority and present this information to the administering authority when requested, in a specified format.

Storage and Handling of Flammable and Combustible Liquids

- (4:A4-1) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

Definitions

- (4:A5-1) Words and phrases used throughout this EA are defined in Part 4 Schedule H – Definitions. Where a definition for a term used in this EA is sought and the term is not defined within this EA, the definitions in the Environmental Protection Act 1994, its Regulations and Environmental Protection Policies must be used.

Integrated Environmental Management System (IEMS)

- (4:A6-1) Prior to the commencement of any environmentally relevant activity ('the activities') under this environmental authority, the holder of this environmental authority must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (4:A6-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
 - Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 - Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.
- (4:A6-3) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Part 4 Schedule B - Air

Dust nuisance

- (4:B1-1) Subject to Conditions (4:B1-2) and (4:B1-3) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.
- (4:B1-2) When requested by the administering authority, dust and particulate monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of the authorised officer) of environmental nuisance at any sensitive or commercial place, and the results must be notified within 14 days to the administering authority following completion of monitoring.

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(4:B1-3) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (4:B1-1):

- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 a sensitive or commercial place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;
- or
- Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

NOTE: You must propose which monitoring method is appropriate in accordance with condition (4:B1-3) (a) or (b) or both.

(4:B1-4) If monitoring indicates exceedence of the relevant limits in Condition (4:B1-3), then the environmental authority holder must:

- a) address the complaint including the use of appropriate dispute resolution if required; or immediately implement dust abatement measures so that emissions of dust from the activity do not result in further environmental nuisance.

Dust Control

- (4:B2-1) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (4:B2-2) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dusts suppressants and wind breaks.
- (4:B2-3) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR PART 4 SCHEDULE B

Part 4 Schedule D - Noise and Vibration

Noise nuisance

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- (4:D1-1) Subject to Conditions (4:D1-2) and (4:D1-3) noise from the activities must not cause an environmental nuisance, at any sensitive or commercial place.
- (4:D1-2) When requested by the administering authority, noise monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of the authorised officer) of environmental nuisance at any sensitive or commercial place, and the results must be notified within 14 days to the administering authority following completion of monitoring.
- (4:D1-3) If the environmental authority holder can provide evidence through monitoring that the limits defined in Part 4 Schedule D - Table 1 and 2 inclusive, are not being exceeded then the holder is not in breach of Condition (4:D1-1). Monitoring must include:
- $L_{A, \max \text{ adj, T}}$; and
 - the level and frequency of occurrence of impulsive or tonal noise; and
 - atmospheric conditions including wind speed and direction; and
 - location, date and time of recording.
- (4:D1-4) If monitoring indicates exceedence of the limits in Part 4 Schedule D - Table 1 and 2, then the environmental authority holder must:
- address the complaint including the use of appropriate dispute resolution if required; or
 - immediately implement noise abatement measures so that emissions of noise from the activity do not result in further environmental nuisance.
- (4:D1-5) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

Part 4 Schedule D - Table 1 (Noise limits)

Noise level dB(A) measured as	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm - 10pm*	10pm - 7am*	9am - 6pm*	6pm - 10pm*	10pm - 9am*
Noise measured at a 'Noise sensitive place'						
L_{A10} , adj, 10 mins	b/g+5	b/g+5*	b/g+3*	b/g+5	b/g+5*	b/g+0*
L_{A1} , adj, 10 mins	b/g+10	b/g+10*	b/g+5*	b/g+10	b/g+10*	b/g+5*
Noise measured at a 'Commercial place'						
L_{A10} , adj, 10 mins	b/g+10	b/g+10*	b/g+8*	b/g+10	b/g+10*	b/g+5*
L_{A1} , adj, 10 mins	b/g+15	b/g+15*	b/g+10*	b/g+15	b/g+15*	b/g+10*

* denotes that the limits apply to the Riverview and Rochedale Manufacturing Plants only. Mining operations 7am-6pm Mon to Saturday only
Note: The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Manuals.

END OF CONDITIONS FOR PART 4 SCHEDULE D

R

Part 4 Schedule E – Waste

General

- (4:E1-1) The holder of this environmental authority must not:
- (i) burn waste at or on the licensed place; nor
 - (ii) allow waste to burn or be burnt at or on the licensed place; nor
 - (iii) remove waste from the licensed place and burn such waste elsewhere.

Off Site Movement

- (4:E2-1) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must 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).
- (4:E2-2) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Records

- (4:E3-1) Records must be maintained for a period of five (5) years for all wastes mentioned in this schedule.

Notification of Improper Disposal Of Regulated Waste

- (4:E4-1) If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or which is improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

END OF CONDITIONS FOR PART 4 SCHEDULE E

Part 4 Schedule F - Land

There are no conditions prescribed for this schedule.

END OF CONDITIONS FOR PART 4 SCHEDULE F

Part 4 Schedule G – Community

Complaint response

- (4:G1-1) All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed and actions taken. This information must be made available for inspection by the administering authority on request.

END OF CONDITIONS FOR PART 4 SCHEDULE G

Part 4 Schedule H – Definitions

“acceptance criteria” means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

“airblast overpressure” means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

“ambient (or total) noise” at a place, means the level of noise at the place from all sources (near and far), measured as the Leq for an appropriate time interval.

“competent person” means a person with the demonstrated skill and knowledge required to carry out the task to a standard necessary for the reliance upon collected data or protection of the environment.

“authority” means environmental authority (mining activities) under the *Environmental Protection Act 1994*.

“blasting” means the use of explosive materials to fracture-

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse.

“commercial place” means a place used as an office or for business or commercial purposes, other than a place within the boundaries of the operational land.

“dam” means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.

“environmental authority holder” means the holder of this environmental authority.

“flowable substance” means matter or mixture of materials which can be forced to or otherwise flow under any conditions possible in a situation. It includes water, other liquids or a mixture that includes water or any other liquid or suspended solids.

“hazardous waste” means any substance, whether liquid, solid or gaseous, derived by or resulting from, the processing of minerals that tends to destroy life or impair or endanger health.

“ $L_{A 10, \text{adj}, 10 \text{ mins}}$ ” 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.

“ $L_{A 1, \text{adj}, 10 \text{ mins}}$ ” 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

“**L_{A, max adj, T}**” means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

“**land**” in the “land schedule” of this document means land excluding waters and the atmosphere.

“**land capability**” as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

“**land suitability**” as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

“**land use**” term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

“**mandatory reporting level**” means the volume below the spillway crest, equivalent to the lower of the AEP, 72 hour storm or the AEP wave allowance (AEP is the annual exceedence probability).

“**mineral**” means a substance which normally occurs naturally as part of the earth's crust or is dissolved or suspended in water within or upon the earth's crust and includes a substance which may be extracted from such a substance, and includes—

- (a) clay if mined for use for its ceramic properties, kaolin and bentonite;
- (b) foundry sand;
- (c) hydrocarbons and other substances or matter occurring in association with shale or coal and necessarily mined, extracted, produced or released by or in connection with mining for shale or coal or for the purpose of enhancing the safety of current or future mining operations for coal or the extraction or production of mineral oil therefrom;
- (d) limestone if mined for use for its chemical properties;
- (e) marble;
- (f) mineral oil or gas extracted or produced from shale or coal by in situ processes;
- (g) peat;
- (h) salt including brine;
- (i) shale from which mineral oil may be extracted or produced;
- (j) silica, including silica sand, if mined for use for its chemical properties;
- (k) rock mined in block or slab form for building or monumental purposes;

but does not include—

- (l) living matter;
- (m) petroleum within the meaning of the Petroleum Act 1923;
- (n) soil, sand, gravel or rock (other than rock mined in block or slab form for building or monumental purposes) to be used or to be supplied for use as such, whether intact or in broken form;
- (o) water.

“**noxious**” means harmful or injurious to health or physical well being, other than trivial harm.

“**non-standard**” means a mining operation that if in the opinion of the administering authority does not have a low risk of serious environmental harm and the activities can not comply with the criteria for standard mining activities prescribed in schedule 1A of the *Environmental Protection Regulation 1998*. The standard mining activity trigger criteria are as follows;

- the mining activities do not or will not cause more than 10 ha of land to be significantly disturbed at any one time;
- the mining activities do not or will not cause more than 5 ha of land to be significantly disturbed at any one time;
 - (a) in a riverine area;
 - (b) because of mine workings;

- the mining activities are not or will not be carried out in, or within 2 km of a category A *Environmentally Sensitive Area*;
- the mining activities are not or will not be carried out in, or within 1 km of a category B environmentally sensitive area;
- the mining activities do not include a level 1 environmentally relevant activity
- no more than 20 persons are carrying out or will, at any one time, carry out the mining activities;

“offensive” means causing reasonable offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive, other than trivial harm.

“open area” means those parts of the mining lease that are cleared in preparation for, or to conduct mining, but have not had *rehabilitation* commence. Open area excludes permanent roads and fixed plant.

“peak particle velocity (ppv)” means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms^{-1}).

“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.

“progressive rehabilitation” means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

“project EMOS” – the project EMOS is a document titled “Environmental Management Overview Strategy (consolidating mining project numbers PJ50036, 50134 and 50150) incorporating Integrated Environmental Management System (mining, manufacturing and extractive industries). Prepared for The Austral Brick Company Pty Ltd. Prepared by Groundwork Environmental Management Services Pty Ltd. October 2002”.

“reference site” (or analogue site) may reflect the original location, adjacent area or another area where rehabilitation success has been completed for a similar biodiversity. Details of the reference site may be as photographs, computer generated images and vegetation models etc.

“rehabilitation” the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

“representative” means a sample set which covers the variance in monitoring or other data either due to natural changes or operational phases of the mining activities.

“residual void” means an open pit resulting from the removal of ore and/or waste rock which will remain following the cessation of all mining activities and completion of rehabilitation processes.

“self sustaining” means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

“significant disturbance” – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant environmental authority; or
 - ii. if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

“sensitive place” means;

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- an educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
- a public park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes which is not part of the mining activity and does not include employees accommodation or public roads.

“spillway” means passage or outlet from the dam through which surplus water flows.

“stable” means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

“trivial harm” means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5,000.

“waters” includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea) or any part thereof.

END OF CONDITIONS FOR PART 4 SCHEDULE I

END OF PART 4

R



END OF INTEGRATED AUTHORITY

Published on DES Disclosure Log
RTI Act 2009



File note

Date: 3 March 2003

File name: STH3748

Subject: Vibration conditions set in SR0376DA

Subject:

On setting conditions for the draft of licence SR0376 DA Janet Pritchard (EPA) contacted Murray Saunders via telephone (date early February) of Redland Shire Council to clarify the process of approval for Austral Bricks to undertake blasting at Lot 1 RP854704 (the proposed site related to SR0376DA).

Murray informed Janet that Austral Bricks would have to be in compliance with the Consent Order (28 March 1991) which states that the Appellants shall not undertake blasting without written permission from the council. Murray thought that it was reasonable to have vibration conditions within the environmental authority and that would become relevant if blasting was permitted by the Council.



Notice requesting written agreement to the extension of decision making period

Section 3.5.7 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to section 3.5.7 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748/SR0376DA



The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke,

Re: Application for development approval.

Following discussions concerning your development application, the Environmental Protection Agency, acting as assessment manager, request your written agreement to extend the decision making period by 15 business days.

With your agreement, the new date that this period will end is now 26 February 2003.

Application information

Applicant : The Austral Brick Co. Pty Ltd
Application received by EPA: 19 December 2003
EPA no: SR0376DA
Description: 20(c) 22(c) Extracting rock or other material, Screening etc. materials
Street address of subject land: German Church Rd, Redland Bay
Location details: Lot 1 RP854704

The *Integrated Planning Act 1997* (section 3.5.7) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001



R



Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request/decision making period.

73(2)Irrelevant

Applicant signature

Mr R Clark

Printed name of applicant

General Manager

Position of applicant

Should you require any further information please do not hesitate to contact Janet Pritchard on 3224 2763.

73(2)Irrelevant

4 February 2003

Signed 73(2)Irrelevant

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

R

96

R S A Cover SheetType of Approval: SECTION 3.5.1

☐ Environmental Protection Act ☒ Integrated Planning Act ☐ Environmental Protection Regulations
☐ Noise EPP ☐ Air EPP ☐ Water EPP

Name: THE AUSTRAL BRICK COMPANY PTY LTDSITE address: GERMAN CHURCH ROAD
REDLAND BAYContact Officer: J PROCHANDLicence No.: SR0376DA FILE NUMBER: STH 3748☒ Approved☐ Deferred☐ Not ApprovedDecision: Approved as submitted

73(2)Irrelevant

Manager's Signature: [Signature] Approved: 5/2/03 Date Posted: 6/2/03Registered Post No. [Blank] Date Faxed: 5/2/03**OFFICE USE ONLY**

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

**Request for Statutory Approval
Application No. SR0327DA**

**Notice of Extension Of Time For Decision On Environmental Authority Under
Section 3.3.6 Of The *Integrated Planning Act 1997***

Subject: The Austral Brick Company Pty Ltd
German Church Road, Redland Bay

File No.: STH3748

Decision Due Date: 5 February 2003

Summary:

Austral applied for a licence (with development approval) on 19 December 2002 for environmentally relevant activities 20(c) and 22 (c).

Austral have simultaneously applied for an integrated authority to incorporate 10 granted mining leases operating as four (4) mining projects, environmental relevant activities undertaken at two brick and paver manufacturing facilities (SR363 and SR1449) and the above mentioned environmental relevant activities.

Further time is required for the approval of the amendment of licence (SR363) to take effect to enable finalisation of the integrated authority. To enable the integrated authority and the application for a licence (with development approval) to be decided on the same day, further time is also required for time of decision on the environmental authority for ERA 20(c) and 22(c).

Recommendation:

A Notice under Section 3.3.6 of the *Integrated Planning Act 1997* be sent to The Austral Brick Company Pty Ltd to extend the statutory time to allow for additional information to be provided.

73(2)Irrelevant

The proposed extension is until **26 February 2003**.

Contact Officer:

Janet Pritchard
Senior Environmental Officer

Lisa McMain
Operations Manager
Southern Region

73(2)Irrelevant

5/2/03



Notice requesting written agreement to the extension of decision making period

Section 3.3.6 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to section 3.3.6 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke,

Re: Application for development approval.

Following discussions concerning your development application, the Environmental Protection Agency, acting as assessment manager, request your written agreement to extend the decision making period by 15 business days.

With your agreement, the new date that this period will end is now 26 February 2003.

Application information

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Application received by EPA:	19 December 2003
EPA no:	SR0376DA
Description:	20(c) 22(c) Extracting rock or other material, Screening etc. materials
Street address of subject land:	German Church Rd, Redland Bay
Location details:	Lot 1 RP854704

The *Integrated Planning Act 1997* (section 3.3.6) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001

R

Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request/decision making period.

Applicant signature

Printed name of applicant

Position of applicant

Should you require any further information please do not hesitate to contact Janet Pritchard on 3224 2763.

Signed

4 February 2003

Date

Peter Smith
Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994



Notice requesting written agreement to the extension of decision making period

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GPO Box 2771
BRISBANE QLD 4001



Applicant agreement

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Applicant signature

Printed name of applicant

Position of applicant

Should you require any further information please do not hesitate to contact Janet Pritchard on 3224 2763.

Signed

4 February 2003

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Published on DES Disclosure Log
RTI Act 2009



Notice requesting written agreement to the extension of decision making period

Section 3.5.7 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to section 3.5.7 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748/SR0376DA

The Austral Brick Co. Pty Ltd
105 Gardener Road
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Location details:	Lot 1 RP854704

The *Integrated Planning Act 1997* (section 3.5.7) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001



Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request/decision making period.

Applicant signature

Printed name of applicant

Position of applicant

Should you require any further information please do not hesitate to contact Janet Pritchard on 3224 2763.

73(2)Irrelevant

4 February 2003

Signed

73(2)Irrelevant

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Published on DES Disclosure Log
RTI Act 2009

Fax



Queensland Government

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

To: Allen Jermyn – Groundworks EMS Pty Ltd **Fax:** (07) 3871 0021

From: Karen Francis

Telephone: (07) 3225 1062 **Fax:** (07) 3225 8723

E-mail:

Date: 5 February 2003 **Pages:** 3 (including this page)

Subject: Notice of Requesting written agreement to the extension of decision making period for The Austral Brick Co Pty Ltd

Privacy and confidentiality notice

The information contained in this facsimile is intended for the named recipient/s only. It may contain privileged and confidential information and if you are not an intended recipient, you must not copy, distribute or take any action in reliance on it. If you have received this facsimile in error, please notify the sender.

* * * JOURNAL (5. FEB. 2003 15:16) * * *

TTI EPA SOUTHERN REGION 07 32258723

(MANUAL PRINT)

(T X)	DATE	TIME	ADDRESS	MODE	TIME	PAGE	RESULT	PERS. NAME	FILE
	23. JAN.	17:13		G3ESM	0:26"	P. 3	OK		7260
		17:14		G3ESM	0:35"	P. 4	OK		7261
		17:54		G3ESM	1:10"	P. 4	OK		7263
	24. JAN.	8:58		G3ESM	0:40"	P. 1	OK		7264
		9:56		G3ESM	0:40"	P. 2	OK		7265
		10:43		G3ESM	0:41"	P. 2	OK		7266
		10:53		G3ESM	7:27"	P. 29	OK		7267
		13:24		G3ESM	0:35"	P. 4	OK		7268
	28. JAN.	15:23		G3ESM	1:30"	P. 6	OK		7269
	29. JAN.	9:48		G3ESM	1:08"	P. 4	OK		7270
		12:00		G3ESM	0:36"	P. 4	OK		7271
		14:34		G3ESM	1:28"	P. 4	OK		7274
		14:36		G3ESM#	1:42"	P. 3	OK		7272
		14:37		G3ESM#	1:05"	P. 3	OK		7273
		14:58		G3ESM	1:23"	P. 5	OK		7275
		16:11		G3ESM	2:39"	P. 10	OK		7276
		16:52		G3ESM	0:42"	P. 4	OK		7278
	30. JAN.	7:57		G3ESM	4:52"	P. 14	OK		7279
		9:02		G3ESM	0:40"	P. 5	OK		7280
		9:03		G3ESM	2:01"	P. 5	OK		7281
		9:55		G3SM	1:22"	P. 2	OK		7282
		12:44		G3ESM	2:02"	P. 7	OK		7283
		14:48		G3ESM	1:27"	P. 2	OK		7284
		15:08		G3ESM	1:53"	P. 6	OK		7285
		15:47		G3ESM	0:29"	P. 1	OK		7286
		16:29	73(2)Irrelevant	G3ESM	1:12"	P. 9	OK		7287
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		9:15		G3ESM	0:44"	P. 1	OK		7289
	31. JAN.	10:24		G3ESM	1:40"	P. 11	OK		7290
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		12:51		G3ESM	4:08"	P. 9	OK		7295
		15:44		G3SM	1:03"	P. 1	OK		7296
		16:49		G3ESM	0:15"	P. 1	OK		7297
	3. FEB.	9:12		G3ESM	0:17"	P. 1	OK		7299
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C : CONFIDENTIAL
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RX

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\$: TRANSFER
@ : FORWARDING
F : FINE
* : PC

P : POLLING
E : ECM
> : REDUCTION
% : PC DIRECT

DEVELOPMENT APPROVAL APPLICATION

Application Number

SR0376DA

The Austral Brick Co
Pty Ltd

German Church Road
Redland Bay

20(c) Extracting rock or
other material
22(c) Screening etc
material

Application Received

19/12/2003

Information request to be
sent by

7/01/2003

Information Request sent

Information Received

Target Dates

Assessment Start Date

Application date + 10 Days

7/01/2003

Response Date

Assessment Start Date + 20 Days

Extended by written agreement

26/02/2003

File Number

Assessing Officer

101

R S A Cover Sheet

Type of Approval: SECTION 53(2) - EXTENSION OF TIME
FOR DECISION ON APPLICATION

☒ Environmental Protection Act ☐ Integrated Planning Act ☐ Environmental Protection Regulations
☐ Noise EPP ☐ Air EPP ☐ Water EPP

Name: THE AUSTRAL BRICK COMPANY PTY LTD

SITE address: 105 GARDNER ROAD ROCHFORD
103 RIVERVIEW ROAD RIVERVIEW
GERMAN CHURCH ROAD REDLAND CAY
AUSTRAL SE QLD PROJECT

Contact Officer: J PROCHAND

Licence No.: SR 2484 **FILE NUMBER:** STH 3748

☒ Approved ☐ Deferred ☐ Not Approved

Decision: Approved as submitted

73(2) Irrelevant

Manager's Signature: [Signature] Approved: 5/2/03 Date Posted: 6/2/03
 Registered Post No. N/A Date Faxed: 5/2/03

OFFICE USE ONLY

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

**Request for Statutory Approval
Application No. SR2484**

**Notice of Extension Of Time For Decision On Environmental Authority Under
Section 555 Of The *Environmental Protection Act 1994***

Subject: The Austral Brick Company Pty Ltd
Integrated Authority Application for various sites and activities
Including amendment application for mining activities

File No.: STH3748

Decision Due Date : 5 February 2003

Summary:

Austral applied for an Environmental Authority on 22 November 2002 for Environmentally Relevant Activities 17, 20(c), 22(c), 61, 75a and mining activities.

Austral have applied to integrate the authorities for all existing operations.

Further time is required for enable assessment of the application for amendment of a licence (without development approval) (SR363) received fully by the Environmental Protection Agency on February 2003. The approval of the Integrated Authority is pending assessment of the above-mentioned application to take effect.

Recommendation:

A Notice under Section 555 of the *Environmental Protection Act 1994* be sent to Austral to extend the statutory time to allow for assessment of the application for amendment to Licence no. SR363 .

The proposed extension is until **26 February 2003**.

Contact Officer:

Janet Pritchard
Senior Environmental Officer

Lisa McMain
Operations Manager - EPAct
Southern Region

73(2)Irrelevant

5/2/03

+ personal licence

73(2)Irrelevant

5/2/03

R



Notice of extension of decision period

Section 555 Environmental Protection Act 1994

This statutory notice is issued by the administering authority pursuant to section 555 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquires to : Matt Buchanan
Telephone : (07) 3224 6349
Your reference :
Our reference : STH3748/SR2484

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke

Re: Application for an integrated authority by The Austral Brick Company to carry out Environmentally Relevant Activities 17 (fuel burning); 20(c) (extraction of rock or other material); 22(c)(screening etc materials); 61 (clay or ceramic products manufacturing) and 75(a)(vi)(waste disposal) and Application for Amendment of Environmental Authority (Mining Activities) for mining leases 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50015, 50165 and 50189.

The administering authority requires an extension of time to decide the above-mentioned application. A decision on the application will be made by 26 February 2003.

The extension of time is required for the following reasons:

To enable assessment of the application for amendment of a licence (without development approval) (SR363) received fully by the Environmental Protection Agency on February 2003. The Integrated Authority is pending approval of the above-mentioned application taking effect. The personal licence (Section 86) will be incorporated into the Integrated Authority.

You may apply to the administering authority for a review of this decision within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the *Environmental Protection Act 1994* is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

73(2)Irrelevant

5 February 2003

Signed

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

521.

- (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) On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision-
 - (a) notice of the application (the "review notice");
 - (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, within 14 days after receiving the application-
 - (a) review the original decision;
 - (b) consider any submissions properly made by a recipient of the review notice; and
 - (c) 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 subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.

Stay of operation of original decisions

522.

- (1) If an application is made for review of an original decision, the applicant may immediately apply for a stay of the decision to-
 - (a) for an original decision mentioned in schedule 1, part 1 - the tribunal; or
 - (b) for an original decision mentioned in schedule 1, part 2 - the Court.
- (2) The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.
- (3) A stay may be given on conditions the tribunal or Court considers appropriate and has effect for the period stated by the tribunal or Court.
- (4) The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or Court allows the applicant to appeal against the review decision.

Who may appeal

531.

- (1) A dissatisfied person who is dissatisfied with a review decision, other than a review decision to which subdivision 1 applies, 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 521 does not apply may appeal against the decision to the Court.

Fax



Queensland Government

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

To: Rod Clarke

Fax: 07 3849 4028

From: Cathy Ufer, Southern Region

Telephone: (07) 3224 5097

Fax: (07) 3225 8723

E-mail: cathy.ufer@epa.qld.gov.au

Date: 5 February 2003

Pages: 4(including this page)

Subject: Extension of time for decision on application

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* * * JOURNAL (5. FEB. 2003 15:23) * * *

TTI EPA SOUTHERN REGION 07 32258723

(MANUAL PRINT)

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@ : FORWARDING
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* : PC

P : POLLING
E : ECM
> : REDUCTION
% : PC DIRECT

Application Number: SR2484

The Austral Brick Co Pty Ltd	
105 Gardner Road Rochedale 103 Riverview Road Riverview German Church Road Redland Bay Austel SE QLD Project	21(b) Mining activities 20(c) Extracting rock or other material 22(c) Screening etc materials 61 Clay or ceramic products manufacturing 17 Fuel burning 75(a)(vi) Waste disposal
Date Received	15/11/2002
Additional Information (S556) Date received + 10 business days	
Application Date Date received + 10 business days	
Decision Due Application date + 20 business days S555 RSA101	26/02/2003
Notification of Decision Decision date + 8 business days	10/03/2003
File Number	
Assessing Officer	

R

DEVELOPMENT APPROVAL APPLICATION

Application Number

SR0376DA

The Austral Brick Co Pty Ltd	
German Church Road Redland Bay	20(c) Extracting rock or other material 22(c) Screening etc material
Application Received	19/12/2003
Information request to be sent by	7/01/2003
Information Request sent	
Information Received	
Target Dates	
Assessment Start Date Application date + 10 Days	7/01/2003
Response Date Assessment Start Date + 20 Days	5/02/2003
File Number	
Assessing Officer	

1054

R S A Cover SheetType of Approval: SECTION 55(2) - EXTENSION OF TIME FOR
DECISION ON APPLICATION☒ Environmental Protection Act ☐ Integrated Planning Act ☐ Environmental Protection Regulations
☐ Noise EPP ☐ Air EPP ☐ Water EPPName: THE AUSTRAL BRICK COMPANYSITE address: INTEGRATED AUTHORITY - COMBINE
EXISTING COMBINE SR 363 SR 1449 + A
NUMBER OF MINING LEASESContact Officer: M BUCHANANLicence No.: SR 2484 FILE NUMBER: STH 3748☒ Approved ☐ Deferred ☐ Not ApprovedDecision: Approved on submissionManager's Signature: 73(2) IrrelevantDate Approved: 13/12/02 Date Posted: 13/12/02Registered Post No. _____ Date Faxed: 13/12/02**OFFICE USE ONLY**

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

**Request for Statutory Approval
Application No. SR2484**

**Notice of Extension Of Time For Decision On Environmental Authority Under
Section 555 Of The *Environmental Protection Act 1994***

Subject : The Austral Brick Company
Integrated Authority Application for various site and activities
Including amendment application for mining activities

File No. : STH3748

Decision Due Date : 13 December 2002

Summary:

Austral applied for an Environmental Authority on 22 November 2002 for Environmentally Relevant Activities 17, 20(c), 22(c), 61, 75a and mining activities.

Austral have applied to integrate the authorities for all existing operations.

Further time is required so the amendment application and integrated authority application can be decided on the same day.

Recommendation:

A Notice under Section 555 of the *Environmental Protection Act 1994* be sent to Austral to extend the statutory time to allow for a decision on the two applications to be made on the same day.

The proposed extension is until **10 January 2003**.

Contact Officer:

Matt Buchanan
Principal Environmental Officer

73(2)Irrelevant

Lisa McMain
Operations Manager - EPAct
Southern Region

73(2)Irrelevant

13/12/02



Notice of extension of decision period

Section 555 *Environmental Protection Act 1994*

This statutory notice is issued by the administering authority pursuant to section 555 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquires to : Matthew Buchanan
Telephone : 07 3224 6349
Your reference :
Our reference : SR2484

The Austral Brick Company
105 Gardner Road
ROCHEDALE QLD 4123

Attention: Mr Jim Brennan

Re: Application for an integrated authority by The Austral Brick Company to carry out Environmentally Relevant Activities 17 (fuel burning); 20(c) (extraction of rock or other material); 22(c)(screening etc materials); 61 (clay or ceramic products manufacturing) and 75(a)(vi)(waste disposal) and Application for Amendment of Environmental Authority (Mining Activities) for mining leases 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50015, 50165 and 50189.

The administering authority requires an extension of time to decide the above mentioned applications. A decision on the applications will be made by 10 January 2003.

The extension of time is required for the following reasons:

To allow for the integrated authority application and amendment application (mining activities) to be decided on the same day.

You may apply to the administering authority for a review of this decision within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the *Environmental Protection Act 1994* is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

13 December 2002

Signed

Date

Kyle Roberts
A/ Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

R

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

521.

- (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) On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision-
 - (a) notice of the application (the "review notice");
 - (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, within 14 days after receiving the application-
 - (a) review the original decision;
 - (b) consider any submissions properly made by a recipient of the review notice; and
 - (c) 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 subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.



Stay of operation of original decisions

522.

- (1) If an application is made for review of an original decision, the applicant may immediately apply for a stay of the decision to-
 - (a) for an original decision mentioned in schedule 1, part 1 - the tribunal; or
 - (b) for an original decision mentioned in schedule 1, part 2 - the Court.
- (2) The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.
- (3) A stay may be given on conditions the tribunal or Court considers appropriate and has effect for the period stated by the tribunal or Court.
- (4) The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or Court allows the applicant to appeal against the review decision.

Who may appeal

531.

- (1) A dissatisfied person who is dissatisfied with a review decision, other than a review decision to which subdivision 1 applies, 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 521 does not apply may appeal against the decision to the Court.

Fax



Queensland Government

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

To: Jim Brennan – The Austral Brick Company
Pty Ltd

Fax: (07) 3849 4028

From: Matt Buchanan

Telephone: (07) 3224 6349

Fax: (07) 3225 8723

E-mail:

Date: 13 December 2002

Pages: 4 (including this page)

Subject:

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* * * JOURNAL (13. DEC. 2002 13:53) * * *

TTI EPA SOUTHERN REGION 07 32258723

(MANUAL PRINT)

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6. DEC.	15:35			G3ES	0:55"	P. 2	OK		7051
	8:26			G3ESM	1:02"	P. 3	OK		7052
	9:15			G3ESM	0:42"	P. 2	OK		7053
	9:48			G3ESM	2:03"	P. 4	OK		7054
	9:56			G3ESM	0:35"	P. 1	OK		7055
	15:42			G3ESM	0:53"	P. 3	OK		7056
	16:56			G3ESM	5:23"	P. 18	OK		7057
	17:03			G3ESM	5:07"	P. 17	OK		7059
	17:11			G3ESM	0:47"	P. 5	OK		7060
	17:18			G3ESM	1:25"	P. 5	OK		7061
9. DEC.	8:39		73(2)Irrelevant	G3ESM	1:13"	P. 2	OK		7062
	8:50			G3ESM	7:23"	P. 23	OK		7063
	11:16			G3ES	0:27"	P. 1	OK		7064
	11:26			G3ESM	3:22"	P. 11	OK		7065
	14:35			G3ESM	2:25"	P. 8	OK		7068
10. DEC.	16:15			G3SM	0:31"	P. 1	OK		7069
	10:17			G3SM	0:49"	P. 1	E		7070
	10:24			G3SM	2:15"	P. 3	OK		7070
	12:09			G3ESM	0:24"	P. 2	OK		7071
	13:27			G3ES	0:38"	P. 1	OK		7072
	15:21			G3SM	2:36"	P. 4	OK		7073
1. DEC.	17:01			G3ESM	0:24"	P. 3	OK		7074
	9:22			G3ESM	0:17"	P. 1	OK		7075
	10:08			G3ESM	0:36"	P. 3	E		7076
	10:09			G3ESM	1:52"	P. 4	OK		7077
	10:15			G3ESM	0:17"	P. 2	OK		7076
	10:22			G3ESM	0:40"	P. 4	OK		7078
	13:57			G3SM	5:36"	P. 14	OK		7080
12. DEC.	14:03			G3ESM	7:39"	P. 14	OK		7079
	8:35			G3ESM	1:10"	P. 1	OK		7081
13. DEC.	15:06			G3ESM	0:58"	P. 2	OK		7084
	8:18			G3ESM	0:37"	P. 1	OK		7085
	9:34			G3ESM	0:22"	P. 1	OK		7086
	13:25			G3ESM	3:22"	P. 18	OK		7087
	13:52			G3ESM	0:37"	P. 4	OK		7088

(R . .)	DATE	TIME	ADDRESS	MODE	TIME	PAGE	RESULT	PERS. NAME	FILE
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TX 032672

: BATCH
M : MEMORY
S : STANDARD
!\$: REMOTE TRANSFER

C : CONFIDENTIAL
L : SEND LATER
D : DETAIL
B : FAX ON DEMAND

RX

000006

\$: TRANSFER
@ : FORWARDING
F : FINE
* : PC

P : POLLING
E : ECM
> : REDUCTION
% : PC DIRECT



Notice of extension of decision period

Section 555 Environmental Protection Act 1994

This statutory notice is issued by the administering authority pursuant to section 555 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquires to : Matthew Buchanan
Telephone : 07 3224 6349
Your reference :
Our reference : STH3748/SR2484

The Austral Brick Company
105 Gardner Road
ROCHEDALE QLD 4123

Attention: Mr Jim Brennan

Re: Application for an integrated authority by The Austral Brick Company to carry out Environmentally Relevant Activities 17 - fuel burning; 20(c) - extraction of rock or other material; 22(c) - screening etc materials; 61 - clay or ceramic products manufacturing; 75(a)(vi) - waste disposal and Application for Amendment of Environmental Authority (Mining Activities) for mining leases 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50015, 50165 and 50189.

The administering authority requires an extension of time to decide the above mentioned applications. A decision on the applications will be made by 15 January 2003.

The extension of time is required for the following reasons:

To allow for the integrated authority application and amendment application (mining activities) to be decided on the same day.

You may apply to the administering authority for a review of this decision within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the *Environmental Protection Act 1994* is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

73(2)Irrelevant

73(2)Irrelevant

13/12/02
Date

Kyle Robb
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

521.

- (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) On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision-
 - (a) notice of the application (the "review notice");
 - (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, within 14 days after receiving the application-
 - (a) review the original decision;
 - (b) consider any submissions properly made by a recipient of the review notice; and
 - (c) 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 subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.



Stay of operation of original decisions

522.

- (1) If an application is made for review of an original decision, the applicant may immediately apply for a stay of the decision to-
 - (a) for an original decision mentioned in schedule 1, part 1 - the tribunal; or
 - (b) for an original decision mentioned in schedule 1, part 2 - the Court.
- (2) The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.
- (3) A stay may be given on conditions the tribunal or Court considers appropriate and has effect for the period stated by the tribunal or Court.
- (4) The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or Court allows the applicant to appeal against the review decision.

Who may appeal

531.

- (1) A dissatisfied person who is dissatisfied with a review decision, other than a review decision to which subdivision 1 applies, 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 521 does not apply may appeal against the decision to the Court.

Application Number: SR2484

The Austral Brick Co Pty Ltd	
105 Gardner Road Rochedale 103 Riverview Road Riverview German Church Road Redland Bay Austral SE Queensland Project	21(b) Mining activities 20(c) Extracting rock or other material 22(c) Screening etc materials 61 Clay or ceramic products manufacturing 17 Fuel burning 75(a)(vi) Waste disposal
Date Received	15/11/2002
Additional Information (S556)	25/11/2002
Additional Time (S555)	21/12/2002
Application Date	29/11/2002
Decision Due S555 RSA1054	15/01/2003
Notification of Decision	25/01/2003
File Number	
Assessing Officer	

Amendment to convert transitional mining licence

EA No.	ML1151	ML50015
	ML1152	ML50165
Austral Brick Co Pty Ltd	ML1156	ML50189
Austal SE Queensland Project	ML1165	
	ML1167	
	ML4578	
	ML50035	

Date received	15/11/2002		
Response required by	15/01/2003	10 Business days	Extended

Published on DES Disclosure Log
RTI Act 2009

11 December, 2002

Matthew Buchanan
Environmental Protection Agency
PO Box 2771
BRISBANE QLD 4001

Your Ref:
Our Ref: Env-Man-0630
File No: **C1173/P145490**
Contact: Murray Saunders 3829 8875

Dear Mr Buchanan,

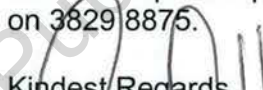
In response to your letter dated the 18th of November 2002 regarding the application by the Austral Brick Company Pty Ltd to undertake Extractive Industry on property described as Lot 1 on RP854704 Council offers the following advice:

1. The Local Government Court of Queensland issued a consent order approval for extractive industry over the German Church Road site on the 28th of March 1991 subject to a range of conditions. Provided the Applicant is continuing operations in accordance with the conditions of the consent order no additional application is required to Redland Shire Council.

The Applicant should note that these conditions include the annual reporting to Council of the succeeding works to be carried out on site as specified in Condition 2 of the consent order.

2. The Applicant should be advised that only activities outlined in the consent order are approved and any additional modifications, upgrades or increases in intensity may require further application to Council. Similarly if at any stage the extractive industry use is abandoned the consent order is considered to have lapsed and new application must be made to Council prior to the commencement of works.

Thank you for the opportunity to comment on this application and should you have any additional queries please contact Murray Saunders of the Environmental Management Unit on 3829 8875.


Kindest Regards

73(2)Irrelevant

Lex Smith
Manager – Environmental Management

*Murray Saunders (ECC) advised
that EPA would be Assessment
Manager.*

73(2)Irrelevant





Enquiries Matthew Buchanan
Telephone (07) 3224 6349
Your reference
Our reference

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

18 November 2002

Murray Saunders
Redlands Shire Council
PO Box 21
CLEVELAND QLD 4163

Dear Mr Saunders

**Application by The Austral Brick Co. Pty Ltd for ERAs 20(c) and 22(c) on RP854704
German Church Road, Redland Bay**

The Austral Brick Company (Austral) have submitted an Integrated Authority application to the EPA to integrate mining, manufacturing and extractive activities conducted by the company throughout the greater Brisbane area. Part of the integrated authority application includes an Application for Environmental Authority (with development approval) for a proposed extractive operation on German Church Road.

Please find the application form and supporting documentation attached. Please note that the supporting documentation (EMOS incorporating Integrated Environmental Management System) also includes other Austral operations that are for existing activities.

Please assess the German Church Road extractive operation proposal according to the *Integrated Planning Act 1997*. Please call me on 3224 6349 if you have any queries.

Yours sincerely

73(2)Irrelevant

18/11/02

Matthew Buchanan
Principal Environmental Officer (Mining and Extractive)



COPY

Section 248(3), 249, 555 *Environmental Protection Act 1994*
**Notice of assessment level decision,
Environmental Impact Statement (EIS) decision
and extension of decision period**

This statutory notice is issued by the administering authority pursuant to section 249 of the Environmental Protection Act 1994, to advise you of an assessment level decision regarding your application to amend a non-standard environmental authority (mining activities) and to advise you that an Environmental Impact Statement (EIS) is not required..

The Austral Brick Co. Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

Our reference: MLs 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50115, 50165, and 50189

Attention: Mr Jim Brennan, Operations Manager

Dear Mr Brennan

Re: **Application for Amendment of Environmental Authority (Mining Activities) for MLs MLs 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50115, 50165 and 50189 by Claypave Pty Ltd**

Thank you for the above mentioned application for amendment of environmental authorities T1274, T1275, T1277, T1285, T1286, T2241, T3429, T3483, T3582, M7375, SR363 and SR1449.

The assessment level decision is that, were the amendment made, the level of environmental harm caused is unlikely to be significantly increased. An EIS is not required for the proposed amendment.

The assessment level and EIS decisions were made by the Environmental Protection Agency in accordance with section 246 of the *Environmental Protection Act 1994*.

You are further advised that the Administering Authority requires an extension of time to decide either to grant or refuse the above application. The decision will be made by 24 January 2003.

You may apply to the Administering Authority for a review of these decisions within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the *Environmental Protection Act 1994* is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

Yours sincerely

73(2)Irrelevant

John Lane
Environmental Protection Agency
22 November 2002

Enquiries:
Licence and Permit Coordination Unit
PO Box 155 Brisbane Albert St
160 Ann St
BRISBANE ALBERT ST BC QLD 4002
Phone 1300 368 326
Fax (07) 3115 9600

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

521.

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- (2) The application must-
 - (a) be made in the approved form to the administering authority within-
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 - (c) make a decision (the "review decision") to-
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 - (a) include the reasons for the review decision; and
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- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.

Stay of operation of original decisions

522.

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Checklist - EIS Trigger Criteria

Page 1 of 3

MLs 1151, 1152, 1156, 1165,
1167, 4578, 50035, 50115,
50165, and 50189

For all non-standard applications, the administering authority must decide whether an environmental impact statement (EIS) is required for the project (s60YQ).

An EIS will be required if any of the following trigger criteria are met. If no criteria are triggered, this does not provide an exemption from having to prepare an EIS if the administering authority considers that there may be a significant environmental impact, or there is a high level of uncertainty about the possible impacts, or there is a high level of public interest in the proposal (see "Mining Industry Impact Assessment – Policies and Guidelines").

For exploration permits or mineral development licences, the current policy is not to require an EIS.

For each question, indicate whether the answer is "yes" (column A), or "no" (column B).

Criterion	A	B
1. Will the project have a significant impact on <u>Category A</u> and <u>Category B</u> environmentally sensitive areas?	☐ Y	☒ N
2. Will the project involve mining in a marine area?	☐ Y	☒ N
3. Will the project involve mining less than 500 m landward from mean high water?	☐ Y	☒ N
4. Will the project require the construction of more than 150 new dwelling units?	☐ Y	☒ N
5. Will the project include an activity that would otherwise be a <u>Level 1 environmentally relevant activity</u> with an annual fee of greater than \$4000?	☒ Y	☐ N
6. Will the project involve the mining of more than 2 million tonnes of mineral or run of mine ore per year?	☐ Y	☒ N
7. Will the project involve the abstraction of more than 2 million m ³ of water per year from natural surface or groundwater sources?	☐ Y	☒ N
8. Will the project result in more than 25 ha remaining post mining in a non-beneficial land capability where an acceptable alternative is considered feasible?	☐ Y	☐ N
9. Will the project involve any non-standard mining activity less than 2 km from town?	☐ Y	☒ N
10. Will the project contain a referable dam?	☐ Y	☐ N
11. Will the project include mining for uranium or asbestos?	☐ Y	☒ N
12. Will the project trigger a Commonwealth interest in matters of national environmental significance to the extent that an EIS would be required under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> ?	☐ Y	☒ N

Recommendation

After completing the list above, mark which of the following applies:

- (a) If there is a marked box in column A, an EIS is required (unless the application is for an extension to an existing project, and does not constitute a significant increase in environmental harm). Proceed through the non-standard assessment process with an EIS ☒
- (b) If all boxes in Column B are marked, an EIS is not required. Proceed through the non-standard application process without an EIS. ☐

Please Note: The application is for conversion (amendment) of Transitional Authorities to Non-Standard EA. The applicant also applied for an Integrated Authority to include non-mining ERAs on the same licence. The information available does not suggest any changes to the activities as a result of the amendment.

Assessing Officer Name: A Rahman

Delegate: John Lane

73(2)Irrelevant

Date: 21/11/02

Date: 22/11/02

CATEGORY A ENVIRONMENTALLY SENSITIVE AREAS
(as defined in Schedule 1 of the *Environmental Protection Regulation 2000*)

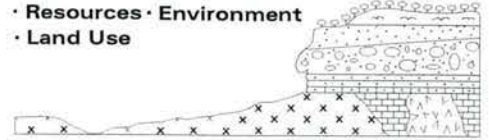
LAND AREA CLASSIFICATION	ADMINISTERING LEGISLATION	REGULATOR
National Parks (Aboriginal Land)	Nature Conservation Act 1992 and Aboriginal Land Act 1991	Dept. of Natural Resources
National Parks (Torres Strait Islander Land)	Nature Conservation Act 1992 and Torres Strait Islander Land Act 1991	Dept. of Natural Resources
National Parks	Nature Conservation Act 1992	Environmental Protection Agency
National Parks (Scientific)	Nature Conservation Act 1992	Environmental Protection Agency
National Parks (Recovery)		
Conservation Parks	Nature Conservation Act 1992	Environmental Protection Agency
Wet Tropics	Wet Tropics World Heritage Protection and Management Act 1993	Wet Tropics Management Authority
Constructed Water Reservoirs	Mineral Resources Act 1989 Mineral Resources Regulation 1990 Schedule 4 (in part)	Department of Mines and Energy
Great Barrier Reef Marine Park Region under Queensland legislation (other than general use zones)	Great Barrier Reef Marine Park Act 1975 (Cwlth) Marine Parks Act 1982 (Qld)	Great Barrier Reef Marine Park Authority Environmental Protection Agency

CATEGORY B ENVIRONMENTALLY SENSITIVE AREAS

(as defined in Schedule 2 of the *Environmental Protection Regulation 2000*)

(based on s3(3) of the *Mineral Resources Act 1989*, and some of the Restricted Areas listed in Schedule 4 of the *Mineral Resources Regulation 1990*)

LAND AREA CLASSIFICATION	ADMINISTERING LEGISLATION	REGULATOR
Protected Areas other than those in Appendix F or Appendix H (for example, Coordinated Conservation Areas, Wilderness Areas, World Heritage Management Areas, International Agreement Areas)	Nature Conservation Act 1992	Environmental Protection Agency
Areas of Critical Habitat or of Major Interest identified under a Conservation Plan and Areas subject to an Interim Conservation Order	Nature Conservation Act 1992	Environmental Protection Agency
Areas subject to International Conventions: Conservation Status of Migratory Species of Wild Animals; Wetlands of Importance Especially as Waterfowl Habitat (Ramsar); Protection of World Cultural and Natural Heritage.		Environmental Protection Agency
Endangered regional ecosystems and areas of high nature conservation value	Nil (Vegetation Management Act 1999)	Environmental Protection Agency
Queensland Marine Parks (General Use Zones) and Marine Areas	Marine Parks Act 1982	Environmental Protection Agency
Registered Place, Protected Areas, Restricted Zones and Places of Cultural Heritage Significance	Qld Heritage Act 1992	Environmental Protection Agency
Designated Landscape Areas (except Stanbroke) and temporary designated landscape areas	Cultural Record (Landscapes Qld and Qld Estate) Act 1987	Environmental Protection Agency
Feature Protection Areas, State Forest Parks or State Forest Scientific Area	Forestry Act 1959	Department of Natural Resources
Fish Habitat Area and areas of marine plants (eg. mangroves)	Fisheries Act 1994	Department of Primary Industries



14 November 2002

REF: 562_098

The Manager
Licensing & Permitting Co-ordination Unit
Environmental Protection Agency
Ground Floor, 160 Ann Street
BRISBANE QLD 4000



Dear Sir

**INTEGRATED AUTHORITY APPLICATION
MINING, MANUFACTURING AND EXTRACTIVE INDUSTRY ACTIVITIES
THE AUSTRAL BRICK CO. PTY LTD**

Please find attached, in reference to The Austral Brick Co. Pty Ltd (Austral) Mining Projects (PJ 50036, PJ50128, PJ50134, PJ50150) the following:

- Common Applicant details for environmental authorities
- Application for an Integrated Authority
- Application for Amendment of a Licence (without development approval)
- IPA forms A & G
- Application for Amendment of a Licence/Level 1 Approval (without development approval)
- Common Application Details – Mining Tenement and Environmental Authority
- Application for Amendment of Environmental Authority (mining activities)
- cheque for **\$22 740.00** being for:

- Application fee for Integrated Authority	\$200.00
- Highest annual fee for all ERAs proposed under the Integrated Authority (mining activities (having a mineral ore throughput of more than 100 000 t but less than 500 000 t a year	\$12 380.00
- Application for licence (with development approval) for ERAs 20(c) and 22(c)	
• 2 x Application fees @ \$200.00	
• 2 x Annual fees @ \$4 880.00	\$10 160.00
TOTAL	\$22 740.00

R

Groundwork Environmental Management Services Pty Ltd

ACN 079 084 245 ABN 24 079 084 245

9 McInroy Street, Taringa Qld 4068 Australia

Ph: 07 3871 0411 Fax: 07 3871 0021 Email: info@groundwork.com.au www.groundwork.com.au

The purpose of the applications and associated documentation is the issue of an Integrated Authority for Austral's mining, brick manufacturing and extractive industry activities in the Brisbane-Ipswich area. The EPA, in correspondence dated 2 November 2001, has stated that an integrated application would be accepted for assessment.

EPA officer, Matt Buchanan, has been consulted and is familiar with Austral's operations and activities and the intent and scope of the Integrated Authority application.

Should it become apparent during the assessment process that issue of the Integrated Authority may not be possible prior to 30 December 2002, we request that the Application for Amendment of Environmental Authority (mining activities) be dealt with initially to facilitate issue of an Environmental Authority (mining activities) by 30 December 2002. Subsequent process for the Integrated Authority could follow.

Should there be any queries in relation to the applications and associated documentation, please contact Allen Jermyn on 3871 0411.

Yours faithfully
Groundwork EMS Pty Ltd

73(2)Irrelevant



D R KERSHAW

enc



Common applicant details for environmental authorities

Sections 82, 89, 109 and 311 Environmental Protection Act 1994

Important information for applicants

- This application form asks for common applicant details for all applications for environmental authorities. Details entered here will be considered as part of all applications for environmental authorities in accordance with sections 82, 89, 109 or 311 where those applications are submitted together with this form.
- You must complete all questions - incomplete forms will not be processed.
- Please number all attachments alphabetically (e.g. 'Attachment A' etc.).
- The guidance information provided on the left side and at the back of this document is intended to assist you to complete the application form. However, if you experience difficulties completing the form, please contact your local Environmental Protection Agency (EPA) office (details at the back of this form).

FOR OFFICE USE ONLY

Date received:	File ref:
Correct AA Yes ☐	Complete form Yes ☐
Entered by (sign):	(date):

Guide

The applicant is the legal entity intending to carry out the activity. Please read 'Guide for Question 1' at the back of this form.

If the applicant is a company, local government or government department, appoint a person who is authorised to act on behalf of the applicant (e.g. Director, CEO, or Manager of the applicant organisation).

If the applicant is a partnership, body corporate or an incorporated association, appoint a person who is authorised to act on behalf of the applicant using the attached 'Appointment of appointed signatory' form.

All bodies registered under Corporations Law will have an Australian Company Number (ACN), except some foreign bodies which will have an Australian Registered Body Number (ARBN). The ANZSIC code is used by the Australian Bureau of Statistics and will be displayed in the public register.

The applicant's street address is required for the legal serving of notices and must not be a post office box. If the applicant is not an individual (e.g. a company or corporation), you must enter the address of the applicant's **registered office**.

1 Applicant name

Name
THE AUSTRAL BRICK CO. PTY LTD

2 Trading name

Name

3 Appointed signatory

Name
JIM BRENNAN

4 ACN / ARBN and ANZSIC Code (if applicable)

ACN / ARBN	ANZSIC Code
ACN 000005550	

5 Applicant address and contact details

Street address / Registered office address	
105 Gardner Road	
Rosedale Qld 4123	
Telephone	Fax
07 3347 2111	07 3849 4028
E-mail	





The name and address provided here may be in any form (including post office box).

Providing details here may be appropriate for several reasons - for example, the registered office address of the applicant may be located interstate and sometimes correspondence and information is not forwarded to the place where the activity is carried out.

One of the factors that the administering authority considers when deciding an application for an EA is the suitability of the applicant to hold an EA. Suitability enquiries may be made by the EPA.

Where an applicant is a company, Question 7 must be answered for the company and the principal executive officer (ie chief executive officer or managing director) of the company.

6 If you would like us to send copies of notices to another person or office location, please provide those details below.

Contact name Groundwork EMS Pty Ltd	
Address 9 McInroy Street Taringa Qld 4068	
Telephone 07 3871 0411	Fax 07 3871 0021
E-mail info@groundwork.com.au	

7 Are you (ie the applicant) aware of any matters which may affect your suitability to hold an environmental authority?

The EPA may investigate an applicant to ensure the person is suitable to hold an environmental authority, including, but not limited to, any convictions for environmental offences or suspension or cancellation of an environmental authority.

- ☐ Yes → Please attach a brief statement outlining the matters.
- ☒ No → Go to question 8.

Attachment



Please read carefully through the acknowledgment opposite before signing. Note that this form must be signed by the 'appointed signatory' nominated on the first page of this form.

You may apply for exemption from disclosing information contained in a document submitted, or proposed to be submitted with this application (see section 564 of the Act). Please note that this may not prevent information from being disclosed.

For details of EPA administrative access arrangements, please contact the EPA Freedom of Information Unit, PO Box 155 Brisbane Albert Street QLD 4002.

As at June 2001 the current value of each penalty unit is \$75. Please note that this is subject to change.

Thank you for the time you have spent completing this form. Please forward your completed form and all attached information to an EPA office near you (a list of offices is attached for your information).

8 Acknowledgment

I/We The Austral Brick Co. Pty Ltd
Printed name of applicant

- acknowledge that all information provided on or with this application form may be made available, subject to the provisions of the *Freedom of Information Act 1992*, and/or EPA administrative access arrangements.

9 Signature

I, JIM BRENNAN
Printed name of applicant/appointed signatory

- am the applicant or the appointed signatory and commit the applicant in all matters relevant to this application. I am aware that under section 480 of the *Environmental Protection Act 1994*, it is an offence to give the administering authority information that I know is false or misleading in any material particular. The maximum penalty for such action is 165 penalty units for an individual, or 825 penalty units where the applicant is a corporation (section 181B (3) of the *Penalties and Sentences Act 1992*).

73(2) Irrelevant 14-11-02
Signature of applicant/appointed signatory Date
73(2) Irrelevant

OPERATIONS MANAGER.

Position of signatory (e.g. Director, manager, owner, partner, CEO etc.)

Reminder:

Completion of this form only does not constitute an application for an environmental authority. You must also attach completed applications for one or more of the following types of environmental authorities as relevant to your circumstances:

- **section 82** - Application for a licence (with development approval);
- **sections 89 and 100** - Application for a licence (without development approval) or level 2 approval;
- **sections 89 and 100** - Application for a licence (without development approval) or level 2 approval - **streamlined licence**
- **section 109** - Application to convert a licence to a level 1 approval; or
- **chapter 4 and section 311** - Application for an integrated authority.

If the EPA is the assessment manager under the Integrated Development Assessment System (IDAS), you must also submit IDAS Form 1 Parts A & G.

Appointment of appointed signatory

This part needs to be completed if the applicant is a partnership, body corporate or an incorporated association.

We, being joint applicants listed below, hereby appoint

Printed name of appointed signatory

as the appointed signatory for

Printed name of partnership/body corporate/incorporated association

for this application for environmental authority and other related matters to this environmental authority with the administering authority.

List all joint applicants

Applicant name		
Signatory name & position	Signature	Date
Applicant name		
Signatory name & position	Signature	Date
Applicant name		
Signatory name & position	Signature	Date
Applicant name		
Signatory name & position	Signature	Date

The EPA may accept an application made for all the joint applicants by a person who is a joint applicant if satisfied the person is authorised as a signatory to make the application for each of the joint applicants. In deciding an application, the EPA must consider any suitability report obtained for the application.

The joint applicants may at any time, by signed notice to the administering authority, cancel the appointment of the authorised signatory.

Guidance information for applicants

Guide for Question 1 - Applicant name

The 'applicant' is the legal entity intending to carry out the environmentally relevant activities. A business name or trading name is not necessarily a legal entity. Please follow the guide below:

Where the applicant is:	Please provide:
A company	Full company name, for example Acme Pty Ltd. Please attach separately the names of directors, and attach a certified extract of Australian Security Commission (ASC) registration documents. If the applicant is a foreign company please also include the place of incorporation or formation in the attachment.
A partnership	Full names of all partners (Michael James Smith and Mary Jane Smith). Please attach a certified copy of a birth certificate for each partner. You are also required to fill out the 'Appointment of appointed signatory' form with this application.
A sole trader/individual	Full name of proprietor/individual (Mary Jane Smith). Please attach a certified copy of a birth certificate for the proprietor/ individual.
A local government	Full name of local government (Esk Shire Council).
A government department	Full name of government department and operating section (Department of Public Works, Operation Section).
A body corporate	The full name of the body corporate and attach a list of names and addresses of all executive members of the body corporate. You are also required to fill out the 'Appointment of appointed signatory' form with this application.
An incorporated association	Full name of the incorporated association and attach a list of names and addresses of all executive members of the incorporated association. You are also required to fill out the 'Appointment of appointed signatory' form with this application.

List of Environmentally Relevant Activities (ERAs)

The table below outlines the numbers, names, levels, administering authorities, and annual fees for each ERA. Please note that all fees listed are subject to change. The following fees have been **excluded from GST** by the Commonwealth Government.

Key :

L = Level of Environmentally Relevant Activity

AA = Administering Authority

EPA = Environmental Protection Agency

DPI = Department of Primary Industries

LG = Local Government

ENVIRONMENTALLY RELEVANT ACTIVITY (INCLUDING THRESHOLDS)	L	AA	Annual Fees(\$)
Aquacultural and agricultural activities		EPA	
1. Aquaculture—cultivating or holding marine, estuarine or freshwater organisms (other than molluscs) in ponds or tanks or in enclosures in waters (the "impoundments")—			
(a) if the total area of the impoundments is 5 ha or more and no wastes are released to waters	2		-
(b) if the total area of the impoundments is less than 5 ha and wastes are released to waters	1		500
(c) if the total area of the impoundments is 5 ha or more but less than 10 ha and wastes are released to waters	1		1000
(d) if the total area of the impoundments is 10 ha or more but less than 20 ha and wastes are released to waters	1		2000
(e) if the total area of the impoundments is 20 ha or more and wastes are released to waters	1		3300
2. Cattle feedlotting—feeding cattle prepared or manufactured stockfeed at levels greater than necessary for survival in a confined area having a capacity of—		DPI	
(a) 150 or less standard cattle units	2		-
(b) more than 150, but less than 500, standard cattle units	1		500
(c) 500 or more, but less than 1 000 standard cattle units	1		625
(d) 1 000 or more standard cattle units	1		2000
3. Pig farming—farming pigs in a piggery having a capacity of—		DPI	

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ENVIRONMENTALLY RELEVANT ACTIVITY (INCLUDING THRESHOLDS)	L	AA	Annual Fees(\$)
(a) less than 5 000 standard pig units	2		
(b) 5 000 standard pig units or more	1		500
4. Poultry farming—farming poultry, including egg and fertile egg production, the rearing of hatchlings, starter pullets, layers and poultry for meat in facilities having a total holding capacity of—		LG	
(a) more than 1 000 birds but less than 200 000 birds	2		
(b) 200 000 birds or more	1		400
Chemical, coal and petroleum products activities			
5. Alcohol distilling—commercially distilling alcohol in works having a design production capacity of more than 2 500 l per year	1	EPA	5540
6. Chemical manufacturing, processing or mixing—manufacturing or processing an inorganic chemical, organic chemical or chemical product, or mixing inorganic chemicals, organic chemicals or chemical products (other than mixing non-combustible or non-flammable chemicals or chemical products by dilution with water), in a plant or works having a design production capacity of—			
(a) 200 t or more but less than 20 000 t per year	1	EPA	4420
(b) 20 000 t or more but less than 100 000 t per year	1		5200
(c) 100 000 or more tonnes per year	1		5820
7. Chemical storage—storing chemicals (other than crude oil, natural gas and petroleum products), including ozone depleting substances, gases or dangerous goods under the dangerous goods code in containers having a design storage volume of—			
(a) more than 10 m ³ but less than 1 000 m ³	2	EPA	
(b) 1 000 m ³ or more	1		1740
8. Coke producing—producing, quenching, cutting, crushing or grading coke.	1	EPA	4260
9. Gas producing—commercially producing hydrocarbon gas by any method, including the reforming of hydrocarbon gas, but not including collecting hydrocarbon gas in carrying out an activity under item 15 or 75.	1	EPA	4420
10. Paint manufacturing—manufacturing—			
(a) organic solvent based paint in works having a design capacity of—			
(i) 10 000 l or more, but less than 1 000 000 l, per year	1	EPA	600
(ii) 1 000 000 l or more, but less than 100 000 000 l, per year	1		1740
(iii) 100 000 000 l or more per year	1		5200
(b) water based paint in works having a design capacity of more than 10 000 l per year	2		
11. Crude oil or petroleum product storing—storing crude oil or a petroleum product in tanks or containers having a combined total storage capacity of—			
(a) 10 000 l or more but less than 500 000 l	2	LG	
(b) 500 000 l or more	1	EPA	1740
12. Oil refining or processing—refining or processing crude oil or shale oil in works having a design production capacity of—			
(a) less than 500 000 l per year	1	EPA	2054
(b) 500 000 l or more, but less than 150 000 000 l, per year	1		5200
(c) 150 000 000 l or more per year	1		20540
13. Fuel gas refining or processing—refining or processing of fuel gas in works having a design production capacity at standard temperature and pressure of—			
(a) less than 200 000 000 cubic metres per year	2	EPA	
(b) 200 000 000 cubic metres or more per year	1		20540
Community infrastructure and services			
14. Crematorium—cremating human, pet or animal remains	1	LG	400
15. Sewage treatment—operating—			
(a) a standard sewage treatment works having a peak design capacity to treat sewage of 21 or more equivalent persons but less than 100 equivalent persons	1	EPA	500
(b) a standard sewage treatment works having a peak design capacity to treat sewage of 100 or more equivalent persons but less than 1 500 equivalent persons	1		1500
(c) a standard sewage treatment works having a peak design capacity to treat sewage of 1 500 or more equivalent persons but less than 4 000 equivalent persons	1		1980
(d) a standard sewage treatment works having a peak design capacity to treat sewage of 4 000 or more equivalent persons but less than 10 000 equivalent persons	1		3960
(e) a standard sewage treatment works having a peak design capacity to treat sewage of 10 000 or more equivalent persons but less than 50 000 equivalent persons	1		7920
(f) a standard sewage treatment works having a peak design capacity to treat sewage of 50 000 or more average persons but less than 100 000 equivalent persons	1		10140
(g) a standard sewage treatment works having a peak design capacity to treat sewage of 100 000 or more equivalent persons	1		15210
(h) a special sewage treatment works having a peak design capacity to treat sewage of 21 or more equivalent persons	1		500
Electricity, fuel burning and water supply activities			
16. Municipal water treatment plant—treating water for domestic use (other than treatment that only involves disinfection)	2	EPA	
17. Fuel burning—any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	1	EPA	3000
18. Power station—generating power by consuming fuel at a rated capacity of 10 MW electrical or more—			
(a) if the fuel used is natural gas	1	EPA	4420
(b) for any other fuel	1		14940
Extractive activities and mining			
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—			
(a) not more than 5 000 t per year	1	EPA	700
(b) 5 000 t or more, but less than 100 000 t, per year	1		3960
(c) 100 000 t or more per year	1		4880
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—			
(a) not more than 5 000 t per year	2	LG	
(b) 5 000 t or more, but less than 100 000 t, per year	1	EPA	3960
(c) 100 000 t or more per year	1	EPA	4880

ENVIRONMENTALLY RELEVANT ACTIVITY (INCLUDING THRESHOLDS)	L	AA	Annual Fees(\$)
21. Mining activities, other than a standard mining activity, carried out using equipment and plant— (a) having a mineral ore throughput of less than 100 000 t during a year (b) having a mineral ore throughput of more than 100 000 t during a year but less than 500 000 t a year (c) having a mineral ore throughput of 500 000 t or more during a year or if mineral ores mined are chemically processed to produce concentrates.			4 880 12 380 16 340
21A. Mining activities, other than a standard mining activity, involving drilling, costeaning or pitting or geophysical surveys causing significant disturbance.			700
21B. Mining activities, other than a standard mining activity, investigating the potential development of a mineral resource by large bulk sampling, exploratory shaft, adit or open pit construction.			3 960
21C. Exploring for or mining minerals under a prospecting petroleum permit, authority to prospect, petroleum lease or pipeline licence granted under the <i>Petroleum Act 1923</i>.	2		-
21D. Exploring for or mining minerals under a licence, permit, pipeline licence, primary licence, secondary licence or special prospecting authority granted under the <i>Petroleum (Submerged Lands) Act 1982</i>.	2		-
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— (a) more than 50 t but less than 5 000 t per year (b) 5 000 t or more, but less than 100 000 t, per year (c) 100 000 t or more per year	2 1 1	LG EPA EPA	- 3960 4880
Fabricated metal product activities			
23. Abrasive blasting—commercially cleaning equipment or structures using a stream of abrasives— (a) if the activity is carried out at a permanent location (b) if the activity is an itinerant activity (EXEMPT FROM IDAS) (c) if the activity is carried out at a permanent location and includes an itinerant activity	1 1 1	LG	400 650 650
24. Boiler making or engineering—commercial boiler making, electrical machine manufacturing or building or assembly of agricultural equipment, motor vehicles, trains, trams or heavy machinery.	2	LG	-
25. Metal surface coating—commercial spray painting (other than spray painting motor vehicles), powder coating, enamelling, electroplating, anodising or galvanising in works having an annual throughput of metal products of— (a) less than 2 000 t (b) 2 000 t or more but less than 10 000 t (c) 10 000 t or more but less than 30 000 t (d) 30 000 t or more	1 1 1 1	LG LG EPA EPA	450 600 1200 2800
26. Metal forming—pressing, forging, extending, extruding or rolling metal, forming metal into plate, wire or rods or fabricating sheet metal	2	LG	-
27. Metal recovery—commercially operating a scrap metal yard or dismantling automotive or mechanical equipment, including debonding brake or clutch components.	1	LG	500
28. Motor vehicle workshop—operating a workshop or mobile workshop in the course of which motor vehicle mechanical or panel repairs are carried out in the course of a commercial or municipal enterprise (other than on a farm or under a mining tenement) or on a commercial basis.	1	LG	500
Food processing			
29. Beverage production—commercially producing— (a) any non-alcoholic beverage in works having a production output of— (i) 200 000 l or more, but less than 2 000 000 l, per year (ii) 2 000 000 l or more, but less than 14 500 000 l, per year (iii) 14 500 000 l or more per year (b) any beer or other alcoholic beverage in works having a design production capacity of more than 400 000 l per year	1 1 1 1	EPA	715 1430 2860 4740
30. Edible oil processing—commercial vegetable oil or oilseed processing in works having a design production capacity of 1 000 t or more per year.	1	EPA	3740
31. Flour milling—commercial processing of grain crops by crushing, grinding, milling, separating or sizing in works having a design production capacity of 1 000 t or more per year.	2	EPA	-
32. Meat processing—slaughtering animals for commercially producing meat or meat products for human consumption, or processing (other than smoking mentioned in item 35) or packaging of meat or meat products for human consumption— (a) if an integral part of the activity involves the operation of a rendering plant with a design production capacity of more than 300 t per year—in works (other than a retail butcher shop) having a design production capacity of— (i) 1 000 t or more but less than 3 000 t per year (ii) 3 000 t or more but less than 6 000 t per year (iii) 6 000 t or more per year (b) if paragraph (a) does not apply—in works (other than a retail butcher shop) having a design production capacity of— (i) 1 000 t or more but less than 3 000 t per year (ii) 3 000 t or more but less than 6 000 t per year (iii) 6 000 t or more per year	1 1 1 1 1 1 1	EPA	1000 3000 6020 875 2600 5200
33. Milk processing—separating, evaporating or processing milk (other than on a farm) or manufacturing evaporated or condensed milk, cheese, butter, ice cream or other dairy product in works having a design production capacity of 200 t or more per year.	1	EPA	4100
34. Seafood processing—commercially processing seafood, including removing the scales, gills, intestines or shells, filleting, chilling, freezing or packaging seafood in works having a design production capacity of more than 100 t per year.	1	EPA	2840
35. Smoking, drying or curing works—smoking, drying or curing meat, fish or other edible products by applying heat, smoke or other dehydration method in works (other than a retail butcher shop or chicken outlet) having a design production capacity of 200 t or more per year.	2	EPA	-
36. Sugar milling or refining—crushing sugar cane or manufacturing sugar or sugar cane products from sugar cane (other than on a farm).	1	EPA	10160
37. Bottling or canning—bottling or canning food (other than a type of activity mentioned in items 29 to 36) in works having a design production capacity of 200 t or more per year.	1	EPA	4440
Land development and construction activities			
38. Land development (this ERA has not been commenced)	2	LG	-
39. Constructing premises or civil engineering structures—constructing or demolishing— (a) residential premises (this ERA has not been commenced) (b) bridges, roads or other engineering structures (this ERA has not been commenced)	2 2	LG	- -

ENVIRONMENTALLY RELEVANT ACTIVITY (INCLUDING THRESHOLDS)	L	AA	Annual Fees(\$)
Metal products activities			
40. Metal foundry—commercially producing metal castings—			
(a) using ferrous metals in works having an average annual metal tonnage output of—	2	EPA	-
(i) less than 20 t	1		300
(ii) 20 t or more but less than 100 t	1		500
(iii) 100 t or more but less than 300 t	1		1350
(iv) 300 t or more but less than 1 000 t	1		2600
(v) 1 000 t or more but less than 5 000 t	1		3600
(vi) 5 000 t or more but less than 10 000 t	1		5400
(vii) 10 000 t or more	2		-
(b) using non-permanent moulds and non-ferrous metals in works having an average annual metal tonnage output of—	2		-
(i) less than 20 t	1		300
(ii) 20 t or more but less than 100 t	1		500
(iii) 100 t or more but less than 200 t	1		1200
(iv) 200 t or more but less than 1 000 t	1		1800
(v) 1 000 t or more but less than 5 000 t	1		2400
(vi) 5 000 t or more	2		-
(c) using permanent moulds and non-ferrous metals in works.	2		-
41. Metal works—commercially smelting or processing ores or ore concentrates to produce metal in works having a design production capacity of—			
(a) more than 10 t but less than 100 t per year	1	EPA	9860
(b) 100 t or more per year but less than 10 000 t per year	1		12380
(c) 10 000 t or more per year	1		16340
42. Mineral processing—commercially processing, classification, mixing or concentration of mineral ores to produce mineral concentrates in works having a design production capacity of—			
(a) more than 1 000 t but less than 100 000 t per year	1	EPA	3140
(b) more than 100 000 t per year	1		16340
Miscellaneous activities			
43. Animal housing—commercially operating a boarding or breeding kennel, dog pound, greyhound training facility or veterinary clinic in which animals are boarded other than overnight for treatment.	2	LG	-
44. Battery manufacturing—manufacturing batteries of any kind.	1	EPA	1880
45. Crushing, milling or grinding—processing products (other than agricultural products and materials mentioned in item 22), including, for example, uncured rubber and chemicals, by crushing or grinding or milling in works having a design production capacity of 5 000 t or more per year.	2	EPA	-
46. Mushroom growing substrate manufacturing—commercially manufacturing substrate for mushroom growing.	1	EPA	400
47. Pet, stock or aquaculture food manufacturing—commercially manufacturing or processing pet, stock or aquaculture food (other than an abattoir, slaughter house, rendering works or animal glue or gelatine works).	1	LG	500
48. Plaster manufacturing—manufacturing or processing plaster in works having a design production capacity of 200 t or more per year.	1	EPA	3000
49. Pulp or paper manufacturing—manufacturing pulp or paper in works having a design production capacity of more than 100 t per year.	1	EPA	6180
50. Rendering operation—commercially processing or extracting substances, including, for example, fat, tallow, derivatives of fat or tallow or proteinaceous matter, from animal wastes or by-products (other than an operation using wastes solely derived from an activity mentioned in item 32(a) or 47) in works having a design production capacity of—			
(a) more than 10 t but less than 300 t per year	2	EPA	-
(b) 300 t or more per year	1		6020
51. Plastic manufacturing—commercially manufacturing plastic or plastic products in works having a design production capacity of—			
(a) more than 1 t but less than 5 t per year	1	LG	300
(b) 5 t or more per year	1		450
52. Printing—commercially screen printing or printing (other than photocopying and photographic printing), including advertising material, magazines, newspapers, packaging and stationery.	2	LG	-
53. Soil conditioner manufacturing—commercially manufacturing soil conditioners (other than spent mushroom growing substrate by a mushroom grower) by receiving and blending, storing, processing, drying or composting organic material or organic waste, including, for example, animal manures, sewage, septic sludges and domestic waste, in works having a design production capacity of 200 t or more per year.	1	EPA	400
54. Tanning—commercially operating a tannery or works for curing animal skins or hides, or commercially finishing leather.	1	EPA	4740
55. Textile manufacturing—commercial carpet manufacturing, wool scouring or carbonising, cotton milling, or textile bleaching, dyeing or finishing.	1	EPA	4740
56. Tobacco processing—processing tobacco (other than drying tobacco on a tobacco farm) or manufacturing products from tobacco or a tobacco derivative	1	EPA	3340
57. Tyre manufacturing or retreading—			
(a) tyre manufacturing	1	EPA	1800
(b) tyre retreading	1		500
Non-metallic mineral product manufacture			
58. Asbestos products manufacturing—manufacturing an asbestos product.	1	EPA	800
59. Asphalt manufacturing—manufacturing asphalt	2	LG	-
60. Cement manufacturing—manufacturing cement	1	EPA	7620
61. Clay or ceramic products manufacturing—manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	1	EPA	4740
62. Concrete batching—producing concrete or a concrete product by mixing cement, sand, rock, aggregate or other similar materials in works having a design production capacity of more than 100 t per year.	1	LG	650
63. Glass or glass fibre manufacturing—manufacturing glass or glass fibre in works having a design capacity of more than 200 t per year	1	EPA	4740
64. Mineral wool or ceramic fibre manufacturing—manufacturing mineral wool or ceramic fibre	1	EPA	2680

ENVIRONMENTALLY RELEVANT ACTIVITY (INCLUDING THRESHOLDS)	L	AA	Annual Fees(\$)
Recreational and sporting activities			
65. Motor racing—			
(a) conducting motor races other than international motor races	2	LG	-
(b) conducting an international motor races	2	EPA	-
Sawmilling, woodchipping and wooden product manufacturing			
66. Chemically treating timber—commercially treating timber for preservation using chemicals, including, for example, copper, chromium, arsenic, borax and creosote.	1	EPA	2860
67. Sawmilling or woodchipping—sawing, cutting, chipping, compressing, milling or machining logs, drying logs in a kiln or manufacturing secondary wooden products, in a mill or works having a design production capacity of—			
(a) 500 t or more but less than 5 000 t per year	1	EPA	300
(b) 5 000 t or more but less than 10 000 t per year	1		500
(c) 10 000 t or more but less than 20 000 t per year	1		700
(d) 20 000 t or more per year	1		800
68. Wooden product manufacturing—commercially manufacturing or fabricating (other than as mentioned in items 66 and 67) a wooden product, including, for example, a product made by a cabinet-maker, joiner or other woodworker, in a facility having a design production capacity of more than 1 t per year.	2	LG	-
Transport and maritime services			
69. Boat maintaining or repairing facility—operating a commercial facility for maintaining or repairing any type of boat or inboard or outboard marine engine	1	LG	650
70. Helipoint—operating a facility for landing helicopters (other than a facility forming part of an aerodrome used for general aviation or for sole use in emergency circumstances)	2	LG	-
71. Port—operating a port (other than an airport) under the <i>Transport Infrastructure Act 1994</i> (EXEMPT FROM IDAS)	2	EPA	-
72. Railway facility—operating any railway facility for refuelling and maintaining or repairing rolling stock.	1	EPA	5040
73. Marina or seaplane mooring—operating a commercial marina or facility for mooring seaplanes, including any land-based buildings or works used in association with the marina or mooring—			
(a) for less than 20 berths or moorings	2	LG	-
(b) for 20 or more berths or moorings but less than 100 berths or moorings	1		300
(c) for 100 or more berths or moorings	1		500
74. Stockpiling, loading or unloading goods in bulk—commercially loading, unloading or stockpiling materials or goods, in association with an activity mentioned in item 71, using a crane, conveyor, pump or other similar way at a rate of more than 100 t per day	1	EPA	3000
Waste management			
75. Waste disposal—operating a facility for—			
(a) disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of—		EPA	
(i) more than 50 t but not more than 2 000 t per year	1		500
(ii) 2 000 t or more, but less than 5 000 t, per year	1		750
(iii) 5 000 t or more, but less than 10 000 t, per year	1		1000
(iv) 10 000 t or more, but less than 20 000 t, per year	1		1500
(v) 20 000 t or more, but less than 50 000 t, per year	1		2000
(vi) 50 000 t or more, but less than 75 000 t, per year	1		2500
(vii) 75 000 t or more, but less than 100 000 t, per year	1		5000
(viii) 100 000 t or more, but less than 200 000 t, per year	1		7500
(ix) 200 000 t or more per year	1		10000
(b) disposing of regulated waste (other than limited regulated waste) whether alone or in combination with any waste mentioned in paragraph (a), if the facility is designed to receive waste at the rate of—			
(i) less than 50 000 t per year	1		3000
(ii) 50 000 t or more, but less than 100 000 t, per year	1		5220
(iii) 100 000 t or more, but less than 200 000 t, per year	1		7500
(iv) 200 000 t or more per year	1		10000
76. Incinerating waste—operating a waste incineration facility for incinerating—			
(a) vegetation	2	LG	-
(b) clean paper or cardboard	2	LG	-
(c) general waste (other than vegetation or clean paper or cardboard) whether alone or in combination with vegetation or clean paper or cardboard, designed to incinerate waste at the rate of—			
(i) not more than 5 000 tonnes per year	1	EPA	2280
(ii) 5 000 tonnes or more per year	1	EPA	5000
(d) infectious substances or quarantine waste	1	EPA	4750
(e) regulated waste (other than waste mentioned in paragraph (d))	1	EPA	6000
77. Battery recycling—operating a facility for receiving and recycling or reprocessing any kind of battery	2	EPA	-
78. Chemical or oil recycling—operating a facility for receiving and commercially recycling or reprocessing used chemicals, oils or solvents to produce saleable products	1	EPA	3820
79. Drum reconditioning—operating a facility for receiving and commercially reconditioning metal or plastic drums	2	EPA	-
80. Tyre recycling—operating a facility for receiving and commercially recycling or reprocessing tyres (other than retreading tyres).	2	EPA	-
81. Recycling or reprocessing regulated waste—operating a facility for receiving and recycling or reprocessing regulated waste (other than waste recycled or reprocessed under item 32(a), 46, 47, 50, 53 or 77 to 80) to produce saleable products.	1	EPA	2280
82. Waste transfer station—operating a waste transfer station designed to receive waste at the rate of 20 000 t or more of waste per year	1	EPA	900
83. Regulated waste transport—transporting regulated waste commercially or in quantities of more than 250 kg in a load—			
(a) for tyres	2	EPA	-
(b) for other regulated waste—			
(i) for 1 or more licensed vehicles but not more than 35 licensed vehicles	1		400 (plus 100 for each vehicle)
(ii) for 36 or more licensed vehicles	1		4000
(EXEMPT FROM IDAS)			
84. Regulated waste storage—operating a facility for receiving and storing—			
(a) more than 500 tyres in whole or equivalent parts (other than tyres stored for recycling or reprocessing under item 80)	1	EPA	1400
(b) other regulated waste, other than waste stored—	1		2000

ENVIRONMENTALLY RELEVANT ACTIVITY (INCLUDING THRESHOLDS)	L	AA	Annual Fees(\$)
(i) on a farm for use as a soil conditioner or fertiliser in carrying out an agricultural activity; or (ii) for use in manufacturing a saleable product under another item of this schedule; or (iii) for incineration under item 76; or (iv) recycling, reprocessing or reconditioning under items 77 to 79 or 81			
85. Regulated waste treatment—operating a facility for receiving and treating regulated waste to render it less or non-hazardous, other than by— (a) manufacturing a saleable product under another item of this schedule; or (b) incineration under item 76; or (c) recycling, reprocessing or reconditioning under items 77 to 79 or 81	1	EPA	4750

List of application fees

This table should be used in conjunction with the list of Environmentally Relevant Activities (ERA) table above. Please note that all fees listed are subject to change. The following fees have been **excluded from GST** by the Commonwealth Government.

Application Type	Fee
Application for a licence (with development approval) - section 82 of the EP Act	\$200 plus an amount equal to the annual licence fee for the activity (see list of Environmentally Relevant Activities (ERAs) table above)
Application for a licence (without development approval) or level 2 approval - sections 89 and 100 of the EP Act	\$200 plus an amount equal to the annual licence fee for the activity (see list of Environmentally Relevant Activities (ERAs) table above)
Application to convert a licence to a level 1 approval - section 109 of the EP Act	\$200
Application for an integrated authority - Chapter 4 and section 311 of the EP Act	\$200 plus an amount equal to the higher or highest annual licence fee for the activities (see list of Environmentally Relevant Activities (ERAs) table above)

List of EPA Offices that accept applications

Brisbane District Office
288 Edward Street
GPO Box 2771
Brisbane QLD 4001
Telephone (07) 3224 5641
Facsimile (07) 3225 8723

Bundaberg District Office
46 Quay Street
PO Box 1735
Bundaberg QLD 4670
Tel: (07) 4131 1600
Fax: (07) 4131 1620

Cairns District Office
2-4 McLeod Street
PO Box 2066
Cairns QLD 4870
Tel: (07) 4046 6602
Fax: (07) 4046 6606

Emerald District Office
99 Hospital Road
PO Box 906
Emerald, QLD 4720
Tel: (07) 4982 4555
Fax: (07) 4982 2568

Gladstone District Office
136 Goondoon Street
PO Box 5065
Gladstone QLD 4680
Tel: (07) 4971 6500
Fax: (07) 4972 1993

Gold Coast District Office
Kabool Road West Burleigh
PO Box 3454
Burleigh Town LPO QLD 4220
Tel: (07) 5535 3855
Fax: (07) 5576 3975

Mackay District Office
Cnr Wood and River Streets
PO Box 623
Mackay QLD 4740
Tel: (07) 4944 7812
Fax: (07) 4944 7811

Maryborough District Office
Cnr Lennox and Alice Streets
PO Box 101
Maryborough QLD 4650
Tel: (07) 4121 1800
Fax: (07) 4121 1650

Mt Isa District Office
Suite 30, Level 1
Mount Isa House
Cnr Camooweal and Mary Streets
PO Box 2316
Mt Isa QLD 4825
Tel: (07) 47447888
Fax: (07) 47447800

Rockhampton District Office
Cnr Yaamba and Yeppoon Roads
North Rockhampton
PO Box 3130
Rockhampton Shopping Fair
QLD 4701
Tel: (07) 4936 0376
Fax: (07) 4936 0375

Sunshine Coast District Office
Mayfield House, 29 The Esplanade
PO Box 168
Cotton Tree QLD 4558
Tel: (07) 5443 8940
Fax: (07) 5443 8942

Toowoomba District Office
158 Hume Street
PO Box 731
Toowoomba QLD 4350
Tel: (07) 4639 4599
Fax: (07) 4639 4524

Townsville District Office
Cape Pallarenda
PO Box 5391
Townsville MC QLD 4810
Tel: (07) 4722 5211
Fax: (07) 4722 5222

For general information, visit the EPA on the Internet: www.env.qld.gov.au or you can contact:

Division of Environmental Operations
160 Ann Street
PO Box 155 Brisbane Albert Street QLD 4002
Tel: 1800 501 087
Fax: (07) 3227 7677

Naturally Queensland Information Centre
Ground Floor, 160 Ann Street
PO Box 155 Brisbane Albert Street QLD 4002
Tel: (07) 3227 8185 / (07) 3227 8186
Fax: (07) 3227 8749



Application for an integrated authority

Section 311 Environmental Protection Act 1994

Important Information for applicants

- The form 'Common applicant details for environmental authorities' must accompany this form.
- This form is to be used to apply for an integrated authority to carry out multiple Environmentally Relevant Activities (ERAs) at the same site, or the same ERA in different places, or multiple ERAs at different places.
- Please number all attachments alphabetically and sequentially (e.g. 'Attachment A' etc.).
- The guidance information on the left side of this document is intended to help you to complete the application form. However, if you experience difficulties completing the form, please contact your local Environmental Protection Agency (EPA) office (details attached at the back of the form 'Common applicant details for environmental authorities').

FOR OFFICE USE ONLY

Date received:		File ref:
Correct AA Yes ☐	Complete form Yes ☐	Correct fee Yes ☐
Entered by (sign):		(date):

The 'applicant' and the 'appointed signatory' must be the same as those nominated on the form 'Common applicant details for environmental authorities'

1 Applicant name

Name THE AUSTRAL BRICK CO. PTY LTD ACN 000 005 550
--

2 Trading name

Name The Austral Brick Co. Pty Ltd

3 Appointed signatory

Name Jim Brennan

4 Is this form accompanied the completed form 'Common applicant details for environmental authorities'?

- ☒ Yes
- ☐ No → The form 'Common applicant details for environmental authorities' must be completed and submitted with this application form.

5 This application for an integrated authority must be accompanied by a written submission detailing how you propose to manage the environmental impacts of carrying out the Environmentally Relevant Activities (ERAs) in the form of an Integrated Environmental Management System (an IEMS submission).

Attach IEMS submission with your application.

Note: applications for an integrated authority submitted without an IEMS submission will not be accepted.

Attachment
A

6 Please attach a description of how the day to day management of carrying out of your ERAs will be undertaken in an integrated way.

Attachment
A

For information on how to prepare an IEMS, see the EPA's publication 'Guideline - Integrated authorities: Preparing an Integrated Environmental Management System (IEMS submission)' to support an integrated authority application.

To decide whether to grant the applicant an integrated authority, the EPA will consider the criteria outlined in the Operational Policy EPACT.311 (available from your local EPA office).



7 Please attach a description of how the ERAs are operationally related to one another.

Attachment
A

8 Which situation best describes your application (please tick):

- ☐ → You currently carry out more than one ERA under separate environmental authorities and are applying to combine these into a integrated authority?
- ☒ → You currently carry out one or more ERAs under separate environmental authority(ies) or an existing integrated authority; and
(i) you are applying to have one or more new ERAs licensed; and
(ii) you wish to combine all of these ERAs into an integrated authority.
- ☐ → You are applying to carry out more than one new ERA and you wish to combine these ERAs into an integrated authority.
- ☐ → You are applying to carry out one or more ERA(s) on an itinerant basis at different places.

9 Please tick the type(s) of environmental authorities for which this application relates:

(a) one or more licences requiring development approval?

- ☒ Yes → This is called a "licence (with development approval)". You must submit the form "Application for a licence (with development approval) - Section 82, Environmental Protection Act 1994" with this integrated authority application.

Attachment
1

(b) one or more licences (including provisional licences without development approval)?

- ☒ Yes → These are called "licence (without development approval)" or "provisional licence". You must submit the form, "Application for a licence (without development approval) or level 2 approval - Sections 89 and 100, Environmental Protection Act 1994" with this integrated authority application.

Attachment
2

(c) one or more approvals to carry out a level 2 environmentally relevant activity(ies), that do not, require development approval?

- ☐ Yes → This is called a "level 2 approval". You must submit the form "Application for a licence (without development approval) or level 2 approval - Sections 89 and 100, Environmental Protection Act 1994" with this integrated authority application.

Attachment

(d) one or more approvals that have been converted from a licence (with development approval) or licence (without development approval) to a level 1 approval?

- ☐ Yes → These are called "level 1 approval (with development approval/s)" or "level 1 approval (without development approval/s)". You must submit the form "Application for conversion of a licence to a level 1 approval - Section 109, Environmental Protection Act 1994" with this integrated authority application.

Attachment

In accordance with the Environmental Protection Act 1994, section 312(2)(b), you must submit applications for each type of ERA you would like to combine into the integrated authority.

If you already hold environmental authorities from the EPA and you would like to include those environmental authorities in the new integrated authority, your application for the integrated authority would need to include an application form for each of those ERAs, covered by the s of environmental authorities you already hold.

Application forms may be obtained from your local EPA office.

Application for amendment of a licence / level 1 approval, Section 117



(e) one or more environmental authorities for carrying out prospecting for a mineral under the *Mineral Resources Act 1989*?

Attachment

☐ Yes → This is called an "environmental authority (prospecting)". You must submit the form "Application for environmental authority (prospecting) - Section 154, *Environmental Protection Act 1994*" with this integrated authority application.

(f) one or more environmental authorities to carry out a mining claim under the *Mineral Resources Act 1989*?

Attachment

☐ Yes → This is called an "environmental authority (mining claim)". You must submit the form "Application for environmental authority (mining claim) - Section 154, *Environmental Protection Act 1994*" with this integrated authority application.

(g) one or more environmental authorities to carry out mineral exploration under the *Mineral Resources Act 1989*?

Attachment

☐ Yes → This is called an "environmental authority (exploration)". You must submit the forms "Common application details - mining tenement and environmental authority" and "Application for environmental authority (exploration) - Section 154, *Environmental Protection Act 1994*" with this integrated authority application.

(h) one or more environmental authorities to carry out mineral development under the *Mineral Resources Act 1989*?

Attachment

☐ Yes → This is called an "environmental authority (mineral development)". You must submit the forms "Common application details - mining tenement and environmental authority" and "Application for environmental authority (mineral development) - Section 154, *Environmental Protection Act 1994*" with this integrated authority application.

(i) one or more environmental authorities to carry out a mining lease under the *Mineral Resources Act 1989*?

Attachment

☒ Yes → This is called an "environmental authority (mining lease)". You must submit the forms "Common application details - mining tenement and environmental authority" and "Application for Amendment to environmental authority (mining lease) - Section 154, *Environmental Protection Act 1994*" with this integrated authority application.

R



**10 You may provide supporting information for ERAs which are already
licensed or approved as follows:**

(please tick the method by which you will provide the information)

- ☐ Submission of updated supporting documentation for the activities (as requested in the original application forms).

Attachment

OR

- ☒ If there have been no changes to the carrying out of the activities, it is requested that the administering authority consider all information previously submitted in relation to the relevant applications for environmental authorities. This option should not be used unless the material is still relevant and current.

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RTI Act 2009

11 Complete the table below for the ERAs and/or environmental authorities that you propose to be incorporated into the integrated authority.

If this space is insufficient, please attach further information.

Attachment

Ensure that you include all relevant subsections of the ERA number. For example, ERA 17(b).

For existing environmental authorities, please record in the first column the type of environmental authority as:

- Licence (with development approval);
- Licence (without development approval);
- Provisional licence;
- Level 2 approval;
- Level 1 approval (with development approval);
- Level 1 approval (without development approval);
- Environmental authority (prospecting);
- Environmental authority (mining claim);
- Environmental authority (exploration);
- Environmental authority (mineral development); or
- Environmental authority (mining lease).

Type of environmental authority	ERA number	ERA name	Current licence or approval number for the ERAs (if relevant)	Street address	Lot(s)	Plan(s)
				Note: Refer to TABLES 1, 2 and 3 of ATTACHMENT A "Environmental Management Overview Strategy (consolidating Mining Project Nos. PJ 50036, 50128, 50134 and 50150), incorporating Integrated Environmental Management System (Mining, Manufacturing & Extractive Industry Activities" dated October 2002 (doc. ref. 562_090.doc)		

R

Published on DES Disclosure Log
RTI Act 2009



Please read carefully through the acknowledgment opposite before signing. Note that this form must be signed by the applicant or the appointed signatory nominated on the "Common applicant details for environmental authorities" form.

You may apply for exemption from disclosing information contained in a document submitted, or proposed to be submitted with this application (see section 564 of the Act). Please note that this may not prevent information from being disclosed.

or details of EPA administrative access arrangements, please contact the EPA Freedom of Information Unit, PO Box 155 Brisbane Albert Street QLD 4002.

As at June 2001 the current value of each penalty unit is \$75. Please note that this is subject to change.

Thank you for the time you have spent completing this form. Please forward your completed form and all attached information to an EPA office near you (a list of offices is attached for your information).

If you already hold environmental authorities from the EPA and you would like to include those environmental authorities in the new integrated authority, your application for the integrated authority would need to include an application form for each of these ERAs, covered by the types of environmental authorities you already hold.

12 Acknowledgment

I / We THE AUSTRAL BRICK COMPANY
Printed name of applicant

- apply for an integrated authority for the activities listed in this form and have attached the relevant forms to support my application; and
- enclose the prescribed fee of \$..... and
- acknowledge that all information provided on or with this application form may be made available, subject to the provisions of the *Freedom of Information Act 1992*, and/or EPA administrative access arrangements.

13 Signature

I, JIM BRENNAN
Printed name of applicant/appointed signatory

- am the applicant or the appointed signatory and commit the applicant in all matters relevant to this application. I am aware that under section 480 of the *Environmental Protection Act 1994*, it is an offence to give the administering authority information that I know is false or misleading in any material particular. The maximum penalty for such action is 165 penalty units for an individual, or 825 penalty units where the applicant is a corporation (section 181B (3) of the *Penalties and Sentences Act 1992*).

73(2)Irrelevant
Signature of applicant/appointed signatory
73(2)Irrelevant

14-11-02.
Date

OPERATIONS MANAGER.
Position of signatory (e.g. director, manager, owner, partner, CEO etc.)



SR2484
ABN: 8722 115 8786

Application for a licence (with development approval)

Section 82 Environmental Protection Act 1994

Important information for applicants

- 'Common applicant details for environmental authorities' must accompany this form.
- When applying for a licence (with development approval), you should either have an existing development approval, or have applied for a development approval by completing 'Form 1 Development Application - IDAS' which should be submitted to the relevant local government.
- Please number all attachments alphabetically (e.g. 'Attachment A' etc.).
- The guidance information provided on the left side of this document is intended to assist you to complete the application form. However, if you experience difficulties completing the form, please contact your local Environmental Protection Agency (EPA) office (details attached at the back of the 'Common applicant details for environmental authorities' form).

FOR OFFICE USE ONLY

Date received:		File ref:	
Correct AA Yes ☐	Complete form Yes ☐	Correct fee Yes ☐	
Entered by (sign):		(date):	

Guide

The 'applicant' and the 'appointed signatory' must be the same as those nominated on the 'Common applicant details for environmental authorities' form.

1 Applicant name

Name THE AUSTRAL BRICK CO. PTY LTD (ACN 000 005 550)
--

2 Trading name

Name

3 Appointed signatory

Name Jim Brennan

4 Is this form accompanied by a completed 'Common applicant details for environmental authorities' form?

☒ Yes

☐ No → The common details form must be completed and submitted with this application form.





The street address of the place at which the ERA(s) will be carried out may be required for on-site meetings or inspections. The real property description (lot, plan), is legally required.

Sources of property information include:

- Rates notices;
- Certificates of Title;
- Department of Natural Resources and Mines.

Information about your development application will be listed on the 'Acknowledgement notice' issued by the local authority.

If a development approval has already been issued or you are currently already undertaking the ERA/ERAs, you will be required to submit an application fee with this application. If, however, you have lodged an application for development approval but it has not yet been issued (and the ERA has not yet commenced), no fee applies to this application.

5 Environmentally Relevant Activity (ERA)

Development approvals are usually issued for one or more activities to be carried out on one land parcel (lot).

Please complete the table below, ensuring that you include all relevant sub-sections of the ERA number(s), and all relevant real property description information.

Street address	German Church Road, Redland Bay
Lot	1
Plan	RP854704
Local government	Redlands Shire Council

ERA number(s)	ERA name(s)
20(c)	Extractive Rock or Other Material
22(c)	Screening etc. Materials

6 Has an application for development approval been lodged for the ERA(s) listed above?

** Not applicable - refer Question 7 below*

- ☐ Yes → Please complete the table below.
- ☐ No → You are advised to lodge your application for development approval prior to, or at the same time as you lodge this application form.

Assessment manager	Phone
Application reference number	Fax

7 Has a development approval been issued for the ERA(s) listed in Question 4?

- ☒ Yes → Tick: ☐ Preliminary approval; or ☐ Development permit

☐ No

** Consent Orders of local Government Court of Qld of July 1986 & March 1991*
** Refer attachment 2 to ATTACHMENT A (EMOS/IEMS doc.)*

8 Does a current environmental authority exist for the lot listed in Question 4?

- ☒ Yes → Enter the environmental authority number: T3492

☐ No

** For mining activities conducted on ML N° 50035*



Please read carefully through the acknowledgment opposite before signing. Note that this form must be signed by the applicant or the appointed signatory nominated on the "Common applicant details for environmental authorities" form.

For information regarding fees, see the guidance information at the back of the 'Common applicant details for environmental authorities' form.

You may apply for exemption from disclosing information contained in a document submitted, or proposed to be submitted with this application (see section 564 of the Act). Please note that this may not prevent information from being disclosed.

For details of EPA administrative access arrangements, please contact the EPA Freedom of Information Unit, PO Box 155 Brisbane Albert Street QLD 4002.

As at June 2001 the current value of each penalty unit is \$75. Please note that this is subject to change.

Thank you for the time you have spent completing this form. Please forward your completed form and all attached information to an EPA office near you (a list of offices is attached for your information).

9 Acknowledgment

I / We The Austral Brick Co. Pty Ltd
Printed name of applicant

- apply for a licence (with development approval) and have an existing development approval, or have applied for development approval, for the ERA;
- enclose the prescribed fee (if applicable) of \$.....
- acknowledge that all information provided on or with this application form may be made available, subject to the provisions of the *Freedom of Information Act 1992*, and/or EPA administrative access arrangements.

10 Signature

I, JIM BRENNAN
Printed name of applicant/appointed signatory

- am the applicant or the appointed signatory and commit the applicant in all matters relevant to this application. I am aware that under section 480 of the *Environmental Protection Act 1994*, it is an offence to give the administering authority information that I know is false or misleading in any material particular. The maximum penalty for such action is 165 penalty units for an individual, or 825 penalty units where the applicant is a corporation (section 181B (3) of the *Penalties and Sentences Act 1992*).

73(2) Irrelevant
Sign f applicant/appointed signatory Date 14-11-02
73(2) Irrelevant
OPERATIONS MANAGER.
Position of signatory (e.g. Director, manager, owner, partner, CEO etc.)

Form 1 Development Application

idas INTEGRATED DEVELOPMENT
ASSESSMENT SYSTEM**PART A****Common details
for all applications**

The completion of all questions on Part A is mandatory for all applications. For further information refer to the guide for completing the application form available from the assessment manager or on the IPA website at www.ipa.qld.gov.au

1. Description of land The description must identify all land subject of the application including land/easements over which access is to be obtained. The lot & plan details (eg. SP / RP) are shown on title documents or a rates notice. If the plan is not registered by title, provide previous lot and plan details.	Street address (include no., street, suburb / locality & postcode) German Church Road Redland Bay Postcode 4165 Lot & plan details (Attach list if necessary) Shop / tenancy no. (If applicable) Storey / level (If applicable) Total area of land (m ² / ha) 23.01 ha In which local government area is the land situated? Redlands Shire Council
2. Proposal Provide details of the proposal (eg. new house / apartment building etc, demolition / removal of a house, extension to existing shop, new carport etc).	Details of the existing use of the land (Attach proposal report if necessary) Mining and Extractive Industry (refer ATTACHMENT A) Details of the proposal (Attach proposal report if necessary) Mining and Extractive Industry (refer ATTACHMENT A)
3. Other parts of the form completed Complete <u>all</u> other parts of the form applicable to your application.	What other parts of the form are attached (E.g. Part B : if the application involves assessment against the Building Act, Part D — if the application involves assessment against the planning scheme for material change of use, Part F — if the application involves reconfiguring a lot) Part G
4. Applicant details Clearly identify who is making the application. The applicant need not be the owner of the land. In signing and lodging this application, the applicant is responsible for ensuring the information provided is true. The assessment manager, any referral agency and the Chief Executive (where applicable) will rely on this information when assessing the application. If the applicant is a company, a contact person must be shown. All correspondence will be mailed to this address.	Name The Austral Brick Co. Pty Ltd Signature Date Contact person Mr Jim Brennan Phone no. 3347 2111 Mobile no. 73(2)Irrelevant Fax no. 3849 4028 Email address Postal address 105 Gardner Road, Rochedale Postcode 4123
5. Consent of land owner/s Completion of this question is only required if the applicant is not the owner or the person authorised to sign as the owner. Completion of this section provides the owner's consent to the lodgement of this application. If there are multiple owners, the consent of each owner is required. If the owner is a company refer to Guide 1.	Name (In full) (Attach list if necessary) Applicant is owner Signature/s (Or if a company, the ACN plus signature/s or company seal & signatures) Date 73(2)Irrelevant . FOR THE AUSTRAL BRICK COMPANY. 14-11-02. Contact

OFFICE USE ONLY (applicable to assessment manager, alternative assessment manager and private certifier)

FEE (\$)	DATE RECEIVED	RECEIVING OFFICER'S NAME/S	REFERENCE NUMBER/S
----------	---------------	----------------------------	--------------------

Notification of Engagement of Private Certifier (Optional format for private certifiers)

To _____ Council, I have been engaged as a private certifier for the building work referred to in this application.

Date of engagement: / / Accreditation Number: _____

Name: _____ Signature: _____

Form 1 Development Application

idas INTEGRATED DEVELOPMENT
ASSESSMENT SYSTEMPART
GComplete if this application involves *assessment for an*
**Environmentally Relevant
Activity (ERA)**The completion of all questions on Part G of this form is *mandatory* for all development applications for a material change of use of premises for an ERA.**Nature of the ERA**To assist in completing this section, refer to the Environmental Protection Agency's (EPAs) Guideline No 1 IPA/EPA available on the EPAs website at <http://www.env.qld.gov.au> under Business and Industry / Environmental Guidelines / Integrated Planning Act, or contact the local government.To identify who the administering authority is for each ERA, refer to Schedule 1 of the *Environmental Protection Regulation 1998* or contact the EPA or local government.If the proposed ERA is a Level 1 activity, an application for an environmental authority under the *Environmental Protection Act 1994* is also required before the use starts. A fee saving is available if the applications are lodged together.

1. Identify each existing (if any) & proposed ERA(s) (eg. ERA 15) & its description (Attach list if necessary)

(1) ERA **20(c) Extracting Rock and Other Material****Existing Level** (If applicable)☐ Level 1 ☐ Level 2**Proposed Level** (Tick applicable box)☒ Level 1 ☐ Level 2**Existing Threshold** (If applicable)**Proposed Threshold**

100 000 tonnes or more pa

(2) ERA **22(c) Screening etc. materials****Existing Level** (If applicable)☐ Level 1 ☐ Level 2**Proposed Level** (Tick applicable box)☒ Level 1 ☐ Level 2**Existing Threshold** (If applicable)**Proposed Threshold**

100 000 tonnes or more pa

Referral triggers

If this application is for a material change of use for an ERA and clearing vegetation on freehold land only, it may trigger referral to an IDAS referral agency.

2. Does the application trigger referral to an IDAS referral agency? (Tick applicable box) (Use the Referrals Checklist to determine any possible referrals for this application).

☒ NO☒ YES *If yes, attach Referrals Checklist***Details of the land**

For further details regarding preparing a Proposal Report refer to Guide 7.

3. Plans and written information are required to accompany applications for ERAs. These plans & information are required to address the following matters regarding the land (Tick if accompanying this application) —

☒ A description of the existing environment (ie. maps of the land and surrounding area, zoning of the land and surrounding areas) *Attachment A*☒ Details of the distance to any watercourse, dam, bore etc on or adjoining the land. *Attachment A*☒ Details of any of the following types of materials currently stored on the land (i.e. flammable & combustible materials, chemicals, other hazardous substances) *Attachment A*☐ Details of the location of any acid sulphate soils within or adjoining the land**Details of the activity**

An application for an environmental relevant activity must be supported by enough information to enable the administering authority to decide the application, including, for example, relevant information about the likely risks to the environment, details of waste to be generated, and any waste minimisation strategy.

4. Plans and written information are required to accompany applications for ERAs. These plans & information are required to address the following matters regarding the proposal (Tick if accompanying this application) —

☒ A description of the activity (i.e. proposed operation and activities, discharge points, process details) *Attach. A*☒ Details of stormwater generation & disposal (i.e. stormwater management plans) *Attach. A*☒ Details of waste produced, including solid and liquid waste (i.e. waste management, waste minimisation plan, trade waste permit) *Attachment A*☒ Details of contaminant releases and their impacts on the receiving environment (i.e. discharge to waters, air, land; generation of noise, discharge of other contaminants) *Attachment A*☒ Details of any of the following types of materials proposed to be stored on the land (i.e. flammable & combustible materials, chemicals, other hazardous substances) *Attachment A*☒ Details of proposed hours of operation *Attachment A*☐ Details of business trading name.**Fee payable**

5. Provide details of the fee payable for each scheduled ERA(s) listed in Question 1 (Attach additional details if necessary)

\$4880 for each of 20(c) & 22(c) plus \$200 each application fee

Plans and documents

6. Is the application accompanied by: (Tick applicable box/es)

☐ Plans☐ Proposal report☒ Other (Specify) ATTACHMENT A (EMOS/IEMS document ref. 562_090.doc)*This application cannot be accepted by the assessment manager unless accompanied by Part A of the Development Application*

OFFICE USE ONLY (applicable to assessment manager and alternative assessment manager)

DATE RECEIVED REFERENCE NUMBER/S



Application for amendment of a licence/level 1 approval (without development approval)

Section 117 Environmental Protection Act 1994

Important information for applicants

- This application form must be used if the holder of a licence (without development approval) or a level 1 approval (without development approval) to carry out Environmentally Relevant Activities (ERAs), wishes to amend the authority.
- You must complete all questions - incomplete forms will not be processed.
- Please label all attachments alphabetically (e.g. 'Attachment A' etc.).
- The guidance information provided on the left side of this document is intended to assist you to complete the application form. However, if you experience difficulties completing the form, please contact your local Environmental Protection Agency (EPA) office (details at the back of this form).

FOR OFFICE USE ONLY

Date received:		File ref:	
Correct AA Yes ☐	Complete form Yes ☐	Correct fee Yes ☐	
Entered by (sign):		(date):	

Guide

The "applicant" is the current licence/level 1 approval holder who is applying to amend the authority. The name of the holder will be listed on the licence or level 1 approval.

If the applicant is a company, local government or government department, you should have appointed a person who is authorised to act on behalf of the applicant (e.g. Director, CEO, or manager of the applicant organisation) with your original application.

If the applicant is a partnership, body corporate or an incorporated association, you should have nominated a person who is authorised to act on behalf of the applicant using the attached 'Appointment of appointed signatory' form.

Public Notice

If you are required to carry out public notice of your application, the administering authority will send you a written notice and a guideline on how to comply with public notice responsibilities.

1 Applicant name

Name
THE AUSTRAL BRICK CO. PTY LTD
ACN 000 005 550

2 Appointed signatory

Name
Jim Brennan

3 Current licence/level 1 approval number:

Number
SR363 and SR1449

4 Describe the proposed amendment

If you require more space, please attach a separate signed statement.

Description
To include Licence Nos. SR363 and SR1449 in an Integrated Authority

5 Does this amendment relate to a licence for a level 1 Environmentally Relevant Activity (ERA)?

- ☒ Yes → You may be required to carry out public notification of your application.
- ☐ No → Go to Question 6.

Note: no public notification required - no change to existing licence conditions proposed



If you are unsure whether your proposal involves a material change in the scale or intensity of the ERA, please contact your local EPA office.

The information entered into this table will help the administering authority to determine any change in the contaminant releases, and also the significance of the change.

If the percentage of licensed quantity is 110% or more, this constitutes a 'material change of use' and you may be required to obtain development approval. Contact the relevant local authority or your local EPA office for advice.

If the proposed location or the proposed ERA has changed in any way (including an increase in the scale or intensity of the ERA) you may be required to apply for development approval in accordance with the Integrated Planning Act 1997 (IPA). Contact the relevant local authority or your local EPA office for advice.

6 Is there, or will there be any change to the scale or intensity of the ERA that will be a material change of use for the ERA and will require development assessment under the Integrated Planning Act 1997?

- ☐ Yes → You will be required to obtain development approval. Proceed no further with this application and contact the relevant local government or your local EPA office for advice.

Attachment

☒ No

7 Is there, or will there be any change to the contaminants released (as a result of the ERA) and/or their effect on the environment?

- ☐ Yes → Attach a description of the change to releases and their effect on the environment.
- ☒ No → Go to Question 8.

Attachment

8 Quantity of contaminants to be released

If you require more space (that is, more than 2 contaminants), attach additional information to the end of this form.

	Contaminant 1	Contaminant 2
Contaminant name	Refer to Conditions of Licence Nos. SR363 and SR1449 included	
Current quantity licensed to be released	as Attachments 3 and 4 to ATTACHMENT A EMOS/IEMS doc. (ref. 562_090)	
Proposed quantity to be released		
Percentage of licensed quantity (Proposed quantity x 100 / licensed quantity)		

9 Please tick the boxes below when you have attached the listed supporting information to your application. Only attach the following if they are relevant to your application.

- ☐ If the proposed location of the ERAs has changed, attach a copy of the site plan(s) for the place, and written permission from the holder(s) of copyright for the plan(s) for the EPA to reproduce all relevant information contained therein for the purpose of the Act.
- ☐ Description of any changes or proposed changes to the current ERA.
- ☐ Description of any changes to the environment in which the ERA is or will be conducted.
- ☐ Description of changes to an existing stormwater management plan (if applicable).
- ☐ Description of changes to an existing waste management program (if applicable).
- ☐ Copies of any environmental impact assessment or other relevant reports not previously supplied, including changes (if applicable).

Attachment

Attachment

Attachment

Attachment

Attachment

Attachment



Please read carefully through the acknowledgment opposite before signing. Note that this form must be signed by the applicant or the appointed signatory nominated on the "Common applicant details for environmental authorities" form.

As at March 2001, the current fee to amend a licence/level 1 approval is \$150. Please note that this is subject to change. The fees and charges associated with this application have been excluded from GST by the Commonwealth Government.

You may apply for exemption in disclosing information contained in a document submitted, or proposed to be submitted with this application (see section 564 of the Act).

For details of EPA administrative access arrangements, please contact the EPA Freedom of Information Unit, PO Box 155 Brisbane Albert Street QLD 4002.

As at March 2001 the current value of each penalty unit is \$75. Please note that this is subject to change.

Thank you for the time you have spent completing this form. Please forward your completed form and all attached information to an EPA office near you (a list of offices is attached for your information).

10 Acknowledgment

I / We The Austral Brick Co. Pty Ltd
Printed name of applicant

- apply for the amendment of licence/level 1 approval number SR 363 and SR 1449;
- enclose the prescribed application fee of \$ 150.00 ;
- understand and agree that all information provided on or with this application form may be made available, subject to the provisions of the *Freedom of Information Act 1992*, and/or EPA administrative access arrangements.

11 Signature

I, JIM BRENNAN

Printed name of applicant/appointed signatory

- I am the applicant or the appointed signatory and commit the applicant in all matters relevant to this application. I am aware that under section 480 of the *Environmental Protection Act 1994*, it is an offence to give the administering authority information that I know is false or misleading in any material particular. The maximum penalty for such action is 165 penalty units for an individual, or 825 penalty units where the applicant is a corporation (section 181B (3) of the *Penalties and Sentences Act 1992*).

73(2) Irrelevant

S of applicant/appointed signatory

73(2) Irrelevant

OPERATIONS MANAGER

Position of signatory (e.g. Director, manager, owner, partner, CEO etc.)

14-11-02

Date



Appointment of appointed signatory

This part needs to be completed if the applicant is a partnership, body corporate or an incorporated association.

We, being joint applicants listed below, hereby appoint

Printed name of appointed signatory

as the appointed signatory for

Printed name of partnership/body corporate/incorporated association

for this application for environmental authority and other related matters to this environmental authority with the administering authority.

List all joint applicants

Applicant name		
Signatory name & position	Signature	Date

Applicant name		
Signatory name & position	Signature	Date

Applicant name		
Signatory name & position	Signature	Date

Applicant name		
Signatory name & position	Signature	Date

The EPA may accept an application made for all the joint applicants by a person who is a joint applicant if satisfied the person is authorised as a signatory to make the application for each of the joint applicants. In deciding an application, the EPA must consider any suitability report obtained for the application.

The joint applicants may at any time, by signed notice to the administering authority, cancel the appointment of the authorised signatory.

Guidance information for applicants

Guide for Question 1 - Applicant name

The 'applicant' is the legal entity intending to carry out the environmentally relevant activities. A business name or trading name is not necessarily a legal entity. Please follow the guide below:

Where the applicant is:	Please provide:
A company	Full company name, for example Acme Pty Ltd. Please attach separately the names of directors, and attach a certified extract of Australian Security Commission (ASC) registration documents. If the applicant is a foreign company please also include the place of incorporation or formation in the attachment.
A partnership	Full names of all partners (Michael James Smith and Mary Jane Smith). Please attach a certified copy of a birth certificate for each partner. You are also required to fill out the 'Appointment of appointed signatory' form with this application.
sole trader/individual	Full name of proprietor/individual (Mary Jane Smith). Please attach a certified copy of a birth certificate for the proprietor/ individual.
A local government	Full name of local government (Esk Shire Council).
A government department	Full name of government department and operating section (Department of Public Works, Operation Section).
A body corporate	The full name of the body corporate and attach a list of names and addresses of all executive members of the body corporate. You are also required to fill out the 'Appointment of appointed signatory' form with this application.
An incorporated association	Full name of the incorporated association and attach a list of names and addresses of all executive members of the incorporated association. You are also required to fill out the 'Appointment of appointed signatory' form with this application.



List of EPA Offices

Cairns District Office
2-4 McLeod Street
PO Box 2066
Cairns QLD 4870
Tel: (07) 4046 6602
Fax: (07) 4046 6606

Central West District Office
(Emerald Office)
99 Hospital Road
Emerald,
PO Box 906 Emerald QLD 4720
Telephone (07) 4982 4555
Facsimile (07) 4982 2568

Gladstone District Office
136 Goondoon Street
PO Box 5065
Gladstone QLD 4680
Tel: (07) 4971 6500
Fax: (07) 4972 1993

Gold Coast District Office
Kabool Road West Burleigh
PO Box 3454
Burleigh Town LPO QLD 4220
Tel: (07) 5520 9600
Fax: (07) 5576 3975

Mackay District Office
Cnr Wood and River Streets
PO Box 623
Mackay QLD 4740
Tel: (07) 4944 7812
Fax: (07) 4944 7811

Mt Isa District Office
Suite 30, Level 1
Mount Isa House
Cnr Camooweal and Mary
Streets
PO Box 2316
Mt Isa QLD 4825
Tel: (07) 47447888
Fax: (07) 47447800

Northern Regional Office
(Townsville)
Cape Pallarenda
PO Box 5391
Townsville MC QLD 4810
Tel: (07) 4722 5211
Fax: (07) 4722 5222

Rockhampton District Office
Cnr Yaamba and Yeppoon Roads
North Rockhampton
PO Box 3130
Rockhampton Shopping Fair QLD
4701
Tel: (07) 4936 0509
Fax: (07) 4936 0508

Sunshine Coast District Office
Mayfield House, 29 The Esplanade
PO Box 168
Cotton Tree QLD 4558
Tel: (07) 5443 8940
Fax: (07) 5443 8942

Southern Regional Office (Brisbane)
288 Edward Street
GPO Box 2771
Brisbane QLD 4001
Telephone (07) 3224 5641
Facsimile (07) 3225 8723

Southwest District Office
(Toowoomba Office)
158 Hume Street
PO Box 731
Toowoomba QLD 4350
Tel: (07) 4639 4599
Fax: (07) 4639 4524

Wide Bay Burnett District Office
(Bundaberg Office)
46 Quay Street
PO Box 1735
Bundaberg QLD 4670
Tel: (07) 4131 1600
Fax: (07) 4131 1620

Wide Bay Burnett District Office
(Maryborough Office)
Fair Lennox and Alice Streets
PO Box 101
Maryborough QLD 4650
Tel: (07) 4121 1800
Fax: (07) 4121 1650

For general information, visit the EPA on the Internet: www.env.qld.gov.au or you can contact:

Naturally Queensland Information Centre
Ground Floor, 160 Ann Street
PO Box 155 Brisbane Albert Street QLD 4002
Tel: (07) 3227 8185 / (07) 3227 8186
Fax: (07) 3227 8749



Common application details - Mining tenement and environmental authority

Important information for applicants

This form asks for common applicant details for the application for a mining tenement (Mineral Resources Act 1989) and application for environmental authority [Chapter 5, Environmental Protection Act 1994 (EP Act)].

Details entered here will be considered as part of your application for the mining tenement and the environmental authority.

Please note: Information entered here would generally be available, upon request for public viewing and copying. However, you may apply for exemption from disclosing information contained in a document submitted, or proposed to be submitted with this application (pursuant to section 564 of the EP Act) by an Application for Disclosure Exemption form.

Guide

Where there is more than one applicant, please nominate one of the applicants to act on your behalf. The principal applicant can be a person, or registered entity, nominated by all applicants, upon whom any correspondence or notice is to be served. The company name must be a legal entity (it must not be a business trading name).

¹To appoint a principal applicant (under the Environmental Protection Act 1994) complete an Appointment or Cancellation of Appointment of Principal Applicant form.

The registered business address provided for the principal applicant should be the head office location, or residence, of the principal applicant, for the purpose of serving notices.

Where there is more than one applicant, this form is to be signed by the person authorised to sign on behalf of all applicants (ie. the principal applicant). Where the applicant or principal applicant is a company, this form is to be signed by an authorised person for that company.

1 Name of principal applicant

Name
THE AUSTRAL BRICK CO. PTY LTD

2 Contact details for principal applicant

Registered business address
105 Gardner Road
Rosedale Qld 4123

Postal address (where different)
c/- Groundwork Environmental Management Services Pty Ltd
9 McInroy Street,
Taringa Qld 4068

Telephone
07 3871 0411

Fax
07 3871 0021

E-mail
info@groundwork.com.au

3 Responsible person for principal applicant

Name
Jim Brennan

Position (ie CEO, Director, Manager etc)
Operations Manager

4 Principal applicant's signature

SIM BRENNAN

Printed name

OPERATIONS MANAGER

Position (eg Owner, CEO, Partner, Manager etc)

73(2)Irrelevant

Signature

73(2)Irrelevant

14-11-02.

Date

FOR OFFICE USE ONLY

Received at	Fee lodged / Account Code	Entered on register by	EPA District
time	\$	(initials)	
am/pm	Receipt No.	on (date)	Project No.
date / /		/ /	
by (initials)	DME District	Tenement No.	EA No.



Application for amendment of Environmental Authority (mining activities)

Section 240 Environmental Protection Act 1994



Important information for applicants

The holder of an environmental authority (mining activities) or a transitional environmental authority (mining activities) may at any time apply to amend the authority.

This form must be used to apply for an amendment to either a standard or non-standard environmental authority (EA) under the Environmental Protection Act 1994, and may also be used to amend a transitional authority to become a non-standard EA. However, note that:

- an environmental authority (prospecting) can not be amended.
- if you wish to apply to amend a financial assurance, do not use this form. You must use the Application for Amendment or Discharge of Financial Assurance form.
- if you wish to apply to amend your EA as part of a partial surrender of the authority, you must also complete the form Application for Surrender or Partial Surrender of Environmental Authority (mining activities).
- if you wish to convert your transitional authority (which is taken to be a non-standard authority) to a standard EA, without changing your currently authorised mining activities, do not use this form. You must use the form titled "Application to convert to standard environmental authority (mining activities)".
- if you wish to amend an EA (mining activities) to include the conditions of your transitional authority, resulting in a single EA for a mining project, do not use this form. You must use the form "Application to consolidate transitional environmental authority".
- if you wish to include an additional mining tenement, do not use this form. You must use the relevant "Application for environmental authority (mining activities)" form.

The form should be answered question by question unless the form has an instruction to proceed to another question. Where you are attaching additional information, please label each attachment alphabetically (eg. "Attachment A").

On this form a reference to an EA may be taken to be a reference to a transitional EA.

Your amendment application must be supported by enough information to allow the administering authority to decide the application. Please lodge this form at your DME district office.

Note: All information provided on or with this form (excluding detailed financial arrangements), would generally be made available, upon request, for public viewing and copying. You may apply for exemption from disclosing information contained in this application (pursuant to section 564 of the EP Act) by completing an Application for Disclosure Exemption form.

Guide

The "applicant" is the holder of the existing EA or transitional authority, or, in the case of an Application to Transfer an EA, the proposed transferee. Where there are joint holders/transferees list each by providing the full legal names.

Where there is more than one applicant, joint applicants are to appoint a principal applicant, refer to page 16. The administering authority can then make its dealings with all applicants/holders by dealing with the principal applicant/holder. Where the applicant or principal applicant is a company, at Q3 identify a responsible person to act as signatory.

1 Applicant name(s)

Name(s)
THE AUSTRAL BRICK CO. PTY LTD
(ACN 000 005 550)

2 Principal applicant (where applicable)

Name

3 Responsible person (ie signatory) for applicant/principal applicant

Name
Jim Brennan

Position (ie CEO, Director etc)
Operations Manager



Published on DES Disclosure Log
RTI Act 2009



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JUN 11 2009
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For Questions 5-7, details may be found on the existing EA, relevant tenement approval or quoted in other correspondence received from the administering authority. The EA number may be a previously issued EPA Act approval number, a mining tenement number or another number as advised by the administering authority.

If, before the commencement day, there was no EA in force for a mining tenement that is part of a mining project, the Transitional authority is taken to be held for all existing mining activities under the mining tenements that form the project.

Where DME has previously issued a project number, provide that number.

If this application relates to a current project, provide the existing project name. Where this application relates to a new project, nominate a name.

The amendment is not limited to the existing conditions of the EA. Holders may apply to have additional conditions included in the EA.

4 Contact details for applicant or principal applicant

Registered business address
105 Gardner Road
Rosedale Qld 4123

Postal address (where different to the above)
c/- Groundwork Environmental Management Services Pty Ltd
9 McInroy Street
Taringa Qld 4068

Telephone
07 3871 0411

Fax
07 3871 0021

E-mail
info@groundwork.com.au

Environmental Authority to be amended

5 EA number (or Transitional authority number)

EA Number
T1274 and transitional authorities for mining tenements listed in Item 6

6 Relevant mining tenement(s) for each mining activity that is authorised under the EA

Tenement type and number (eg ML 1234)
ML Nos. 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50115, 50165 and 50189

7 Project details

Project number (where issued)
PJ50036, PJ50128, PJ50134 and PJ50150

Project name
PJ50036 – Rosedale/Redland Bay Project
PJ50128 – Swanbank Mine Project
PJ50134 – Oxley Mine Project
PJ50150 – New Chum Mine Project

Integrated Project name proposed is AUSTRAL – SE QUEENSLAND

8 Identify the type of environmental authority to be amended

- ☒ Transitional authority → Go to Question 9.
☐ Standard EA → Go to Question 15.
☐ Non-Standard EA → Go to Question 15



If, under the MR Act, security has been deposited or required in relation to a relevant mining tenement for a transitional authority, a condition is taken to have been imposed on the authority that the transitional authority holder must give the administering authority **financial assurance** for each relevant mining tenement.

9 Identify the origin/makeup of all conditions that you believe are part of your transitional authority

Select one or more of the following:

select

- | | | |
|---|-------------------------------------|------------------------|
| a) A condition of, or stated in, the mining tenement determined, imposed or prescribed under the MR Act | ☒ | → Refer to Question 10 |
| b) A commitment, obligation, requirement or undertaking under, or stated in the most recent version of a planning document ¹ for the mining tenement. | ☒ | → Refer to Question 11 |
| c) A financial assurance condition imposed on the authority | ☒ | → Refer to Question 12 |
| d) Another source (eg. conditions stated in an environmental licence) | ☐ | → Refer to Question 13 |

¹Planning document, for a mining tenement means, if the mining tenement is:

- (a) a mining claim - the outline under the MR Act, s61(1)(j)(iv) for the mining claim;
- (b) an exploration permit - the statement under the MR Act, s133(g)(i) specifying a description of the program of work for the permit;
- (c) a mineral development licence - the statement under the MR Act, s183(m) containing proposals for the licence;
- (d) a mining lease - any EMOS for the lease and any Plan of Operations for the lease (where the plan has expired before start of transition, the most recently expired plan).

10 Is each mining tenement listed at Question 6 the source of conditions of the Transitional authority?

- ☒ Yes → Attach relevant conditions.
- ☐ No → Where relevant, specify (below) those tenements that are the source of conditions and attach relevant conditions.

Attachment
A

Tenement type and number (eg ML 1234)

Note: A condition of a relevant mining tenement that would reasonably be expected to be a condition of the Transitional authority ceases to have effect as a condition of the tenement.

Provide the date of the most recent version of the planning document. The most recent version of a planning document is taken to be the original planning document accepted or approved by the MR Act Minister or an officer of that Department, as amended from time to time by any amendment or purported amendment of the document accepted or approved by the MR Act Minister or an officer of that Department.

11 Identify planning documents for the transitional authority, if any, by selecting one or more of the following:

- ☒ EMOS → Version/amendment dated: refer below
- ☒ Plan of Operations → Version/amendment dated: refer below
- ☐ Environmental Management Plan → Version/amendment dated:
- ☐ Other → Specify (including version/amendment date) below.

Please specify:

- PJ50036 – EMOS May 1994 Revised May 1996 (doc. ref. 562_012). POO Sept 1996 (doc. ref. 562_017) and amendments of 19 Dec 1997 (562_028) and 10 March 1998 (562_035)
- PJ50128 – EMOS Nov 1995 (doc. ref. 619a.009) POO 17 Oct 2000 (doc. ref. 619_050)
- PJ50134 – EMOS/POO 12 Oct 1995 Revised 22 Nov 1996 (doc. ref. 643_003/005)
- PJ50150 – EMOS 2 Dec 1996 (doc. ref. 535_054). POO 5 March 1997 (doc. ref. 535_059)

Where security was deposited/required for a mining project, provide the project number (eg PJ10001) in the first column. Where security was deposited/required in relation to a mining tenement, provide the mining tenement type & number. Note: The amount of FA for each relevant mining tenement is taken to be the lesser of the following:

- The amount of security required for each relevant mining tenement; or
- Any amount the administering authority decides would have been the amount had the FA amount been decided on commencement of the transitional period.

12 Identify the amount of financial assurance, if any, required and currently deposited for the transitional authority identified at Question 5.

Relevant Mining Tenement (type & no.) or Project (PJ no.)	EPG ²	Required \$	Deposited \$	Form held (eg cash, bank guarantee)
PJ50036	3	9 240.00	9 240.00	Bank guarantee
PJ50128	6	127 515.00	114 395.00	"
PJ50134	4	19 390.00	19 390.00	"
PJ50150	6	43 774.00	43 774.00	"

¹Do not include any security that may be currently required or deposited under the MR Act as tenement security (ie covering property damage and default on monies due).

²This column is to be completed for mining lease projects only. EPC refers to Environmental Performance Category (1 to 6) under Environmental Management for Mining in Queensland 1992. The category that applied on 31 December 2000 should be listed.

13 Where Question 9(d) has been selected, identify (below) the other source(s) of conditions of the transitional authority and attach relevant conditions.

Please specify:
N/A

Attachment

Where activities authorised under a relevant mining tenement have changed since 1 January 2001, section 604 of the EP Act provides that where amending a transitional authority, a public notice and objection stage may apply.

14 Has there been a change in the scale or type of activities authorised under a relevant mining tenement, since 1 January 2001?

- ☐ Yes → Provide further information at Question 19.
☒ No

15 Who is the contact person for dealing with the environmental protection issues relating to the authority identified at Question 5?

Contact name Allen Jermyn	
Position and Company Consultant, Groundwork Environmental Management Services Pty Ltd	
Postal Address 9 McInroy Street Taringa Qld 4068	
Telephone 07 3871 0411	Fax 07 3871 0021
E-mail info@groundwork.com.au	

The contact person may be a consultant.

Statutory notices regarding the amended environmental authority will be sent to the holder of the authority - not the contact person stated here.



To correct a clerical or formal error contained in your EA, you do not need to apply for an amendment, simply discuss this with the administering authority and the correction may be made as long as the proposed amendment does not adversely affect the interests of the EA holder or anyone else.

This application form can be used to include a person as a new holder of the EA - Use the form titled "Application for Transfer of Environmental Authority (mining activities)".

If the person is the holder of a relevant mining tenement, it is likely that the administering authority shall require that person to remain a holder of the EA.

If an amendment application is for a standard EA, the amendment is not limited to the existing conditions of the EA. Holders may apply to have additional conditions included in the EA. However, the administering authority may grant the application only if it considers the amendment necessary or desirable.

The administering authority may refuse this application on the grounds that it would be more appropriate for the applicant to seek the amendment by replacement of the EA.

Where you propose an additional mining tenement or additional surface area for a relevant mining tenement, you must apply for a replacement EA (ie complete the relevant "Application for EA" form).

16 What is the purpose for seeking an amendment to the EA?

- ☐ To remove 1 or more existing holders of EA → Go to Question 17.
- ☐ As part of an Application for Transfer of EA, the proposed transferee is seeking an amendment of the EA → Go to Question 18
- ☐ To include additional activities or a change in the scale or type of activities → Go to Question 17
- ☐ To amend conditions of an existing EA → Go to Question 18.
- ☐ To delete the standard environmental conditions (SECs) in the existing authority and insert the set of SECs from a revised Code (ie amend the EA to reflect a change in the relevant SECs) → Go to Question 18.
- ☒ Other → Attach details, including supporting information. Go to Question 18.

**** (to progress change of existing Transitional Authority to an Environmental Authority (mining activities) as part of Integrated Authority Application**

To remove 1 or more existing holders

17 List the existing holders of the EA to be removed from the authority.

Holder(s) name

If this is the only purpose of the amendment application and the EA is not a transitional authority, no further information is required → Go to Certification. If you are applying to amend a transitional authority, go to Question 18.

To amend conditions of existing authority

18 Tick the relevant box(es) below to identify the type of environmental authority proposed for this mining project following the amendment process.

- ☐ Standard mining claim
- ☐ Standard exploration
- ☐ Standard mineral development
- ☐ Standard mining lease
- ☐ Non-Standard exploration
- ☐ Non-Standard mineral development
- ☒ Non-Standard mining lease

19 Briefly describe the additional activities and or the change in the scale or type of activities for the project that necessitate an amendment.

Please specify:

N/A. Purpose is to progress existing transitional authorities for four (4) mining projects to a single environmental authority (mining activities) as part of an Integrated Authority Application.

Please attach more detailed information.

Attachment

A

R



The environmental values considered should include flora, fauna, air, water, noise, waste, land use, heritage values, safety, aesthetics and global issues.

Your amended planning document must describe how you propose to manage the likely environmental impacts.

The administering authority shall take this information into account when setting any necessary environmental conditions for the EA.

Note: A condition of an EA requiring a financial assurance cannot be amended or discharged using this form, or indeed under the amendment provisions of Chapter 5, Part 8 of the EPAct.

Where you propose a standard EA go to Question 22.
Where you propose a non-standard EA go to Question 20.

20 Identify the environmental values that have been affected or are likely to be affected by the existing project.

Environmental aspects

Refer attached "Environmental Management Overview Strategy (consolidating Mining Project Nos. PJ 50036, 50128, 50134 and 50150), incorporating Integrated Environmental Management System (Mining, Manufacturing & Extractive Industry Activities" dated October 2002 (doc. ref. 562_090.doc)

Where insufficient space, attach additional information.

21 Identify the environmental values that are likely to be affected to any greater extent by the proposed amendments and indicate whether the increase is likely to be small, medium or large.

Environmental impacts

Refer Item 19

Where insufficient space, attach additional information.

22 Are you seeking to amend one or more conditions of your EA?

☐ Yes → For a proposed standard EA (exploration or mineral development) or standard EA (mining lease), provide further information on Table 2 (page 16), then go to either Questions 27 or 28 respectively.

For a proposed non-standard EA (mining claim) provide further information on Table 2, then go to Question 30.

For a proposed non-standard EA, go to Question 23.

☒ No → For a proposed standard EA (exploration or mineral development), go to Question 27.

For a proposed standard EA (mining lease), go to Question 28.

For a proposed non-standard EA, go to Question 26.

23 Identify the EA condition number(s)

Condition number(s)

24 Provide reasons for the proposed amendment

Reason for the proposed amendment

Where insufficient space, please attach additional information.



The EPA must decide whether, were the amendment to be made, the level of environmental harm caused by any relevant mining activity is likely to be significantly increased, and if so whether an EIS is required for the proposed amendment.

25 Propose a replacement condition(s)

New condition

26 Is a planning document or amended planning document submitted with this application?

Attachment
A

☒ Yes → Provide its title and date below:

Environmental Management Overview Strategy (consolidating Mining Project Nos. PJ 50036, 50128, 50134 and 50150), incorporating Integrated Environmental Management System (Mining, Manufacturing & Extractive Industry Activities" dated October 2002 (doc. ref. 562_090.doc)

Date
October 2002

☐ No

If you are amending a transitional authority to become a :

- standard EA (mining claim), go to Question 30.
- standard EA (exploration or mineral development), go to Question 27.
- standard EA (mining lease), go to Question 28.
- non-standard EA, go to go to Question 31.

If you are amending another non-standard EA proceed to Question 47.

Standard environmental authority (exploration or mineral development)

27 Please answer the following questions 27a to 27e.

If you tick 'yes' for any question, describe how the criterion is not met by filling in the details to the right of the Yes box.

For the total project area, will: No Yes

- a) more than 10 ha of land be significantly disturbed at any one time? ☐ No ☐ Yes → Mining activities shall cause a maximum of ha of land to be significantly disturbed at any one time.
- b) more than 5000m² of land be disturbed at any campsite at any one time? ☐ No ☐ Yes → Campsite disturbance shall not be greater than ha of disturbance at any one time.
- c) more than 20 m³ of any substance be extracted from each linear km of riverine area in any year? ☐ No ☐ Yes → The volume of substance to be extracted from a linear km of riverine area shall be a maximum of m³ in any year.
- d) project activities be carried out in a Category A or B environmentally sensitive area? ☐ No ☐ Yes → Mining activities are proposed to be carried out in Category A or B environmentally sensitive areas, specifically:

.....

You will need to read the Code of Environmental Compliance for Exploration and Mineral Development Projects ('the Code'), and certify that you are able to comply with its Standard Environmental Conditions (SECs).

These questions are based on the Criteria for standard EAs (other than mining lease) contained in the Code and in Schedule 1A of the Environmental Protection Regulation 1998 (EP Regulation).

The Code and Schedule 1A also:

- define 'Significantly disturbed' land; and
- list Category A and B environmentally sensitive areas.



Examples of activities that might be Level 1 ERAs are storage of chemicals over prescribed amounts. Further guidance will be available at your local DME or EPA office.

You will need to read the Code of Environmental Compliance for Mining Lease Projects ('the Code'), and certify that you are able to comply with its Standard Environmental Conditions (SECs).

'Significantly disturbed' land is defined in the Code and in Schedule 1A of the Environmental Protection Regulation 1998 (EP Regulation).

These questions are based on the Criteria for standard environmental authorities (mining lease) contained in the Code, and in Schedule 1A of the EP Regulation. Category A & B environmentally sensitive areas are in the Code and in Schedule 1A of the EP Regulation.

Note: Areas of disturbance are for the whole project.

EI Activities (CHAS) are listed in Schedule 1 of the EP Regulation - an electronic copy is available at www.legislation.qld.gov.au/Legislation%20Docs/CurrentE.htm

Examples of activities that might be level 1 ERAs are metal works and mineral processing.

Further guidance will be available at your local DME or EPA office.

For the total project area, will: No Yes

- e) mining activities include a Level 1 environmentally relevant activity? ☐ ☐ → You need to apply for a non-standard EA.

If you ticked Yes to any of the above questions 27a to 27d → Go to question 31.
If you ticked No to all of the above questions 27a to 27e the proposal meets the prescribed criteria for a standard environmental authority (exploration or mineral development) → Go to question 30.

Standard environmental authority (mining lease)

28 Please answer the following questions 28a to 28g. If you tick 'yes' for any question, describe how the criterion is not met by filling in the details to the right of the Yes box.

For the total project area, will: No Yes

- a) more than 10 ha of land be significantly disturbed by mining activities at any one time? ☐ ☐ → Mining activities shall cause a maximum of ha of land to be significantly disturbed at any one time.

- b) more than 5 ha of land be significantly disturbed, at any one time, as a sum of:
• mining activities that are or have been occurring in riverine areas; and
• the mine workings? ☐ ☐ → Mining activities shall cause a maximum of ha of riverine area to be significantly disturbed at any one time.

Mining activities shall cause a maximum of ha of land to be significantly disturbed by mine workings at any one time.

- c) mining activities be carried out in, or within two kilometres of, a Category A environmentally sensitive area? ☐ ☐ → Activities are proposed in / within metres of (cross-out whichever does not apply) a Category A environmentally sensitive area. Identify the Category A environmentally sensitive area:
.....

- d) mining activities be carried out in, or within one kilometre of, a Category B environmentally sensitive area? ☐ ☐ → Activities are proposed in / within metres of (cross-out whichever does not apply) a Category B environmentally sensitive area. Identify the Category B environmentally sensitive area:
.....

- e) mining activities include a Level 1 Environmentally Relevant Activity? ☐ ☐ → You need to apply for a non-standard EA.

- f) more than twenty persons carry out the mining activities on site at any one time? ☐ ☐ → Mining activities shall be carried out by a maximum of persons at any one time.



This information will be assessed to decide whether the proposed EA is a standard EA.

Standard mining activities will be required to comply with the SECs in the relevant Code.

For mining claim projects, you will need to read the Code of Environmental Compliance for Mining Claims and Prospecting Permits.

If an applicant is unable to comply with all SECs, the applicant can request the EPA include additional conditions in the EA. The administering authority must take into account the important notes opposite.

Additional conditions may override the SECs.

An additional condition may be imposed even if the applicant does not request it.

For the total project area, will: No Yes

- g) mining of a type other than the following occur under any relevant mining lease: alluvial mining; clay pit mining; dimension stone mining; hard rock mining; opal mining; shallow pit mining? ☐ ☐ → Other type of mining to be carried out:

If you ticked Yes to questions 28a-d, 28f or 28g → Go to question 29.

If you ticked No to all of the above questions 28a to 28g, the proposal meets the prescribed criteria for standard environmental authorities (mining lease) → Go to Question 30.

29 Is the holder(s) of the authority to be amended able to manage the project, following the proposed amendment, so that the environmental impact of all activities is no more than the environmental impact of projects that meet the prescribed criteria listed in either Question 27 (for standard exploration or mineral development projects) or Question 28 (for standard mining lease projects)?

For an example refer to the Code.

- ☐ Yes → Complete Table 1 (see page 16) to describe how this will be achieved for each of the criteria affected. If additional conditions are proposed also complete Table 2. Then go to question 30.
- ☐ No → You will need to apply for a non-standard EA.

30 Is the holder(s) of the authority to be amended able to comply with the Standard Environmental Conditions of the relevant Code of Environmental Compliance?

- ☐ Yes → If you are amending a transitional authority, then go to Question 32. If you are amending a standard EA, proceed to Question 44.
- ☐ No → You will need to apply for additional conditions if you wish to remain eligible for a standard environmental authority. You can apply for additional conditions by filling in Table 2 (see page 16) or by submitting with this application the information required by Table 2. Then, if you are amending a transitional authority, go to question 31. If you are amending a standard EA, proceed to Question 44.

Important note:

The administering authority, as a matter of law, must not agree to or impose an additional condition that would result in the mining activity no longer being carried out with a low risk of serious environmental harm.

The administering authority may grant the application only if it considers the amendment necessary or desirable and that if the amendment were to be made, each relevant mining activity would still be a standard mining activity.



Application to amend Transitional Authority - Information to support the application

Questions 31-43 are to assist the administering authority in deciding the conditions the environmental authority.

Include here a brief description of the proposed mining claim, exploration, mineral development and/or mining program, including methods and machinery to be used.

Where there is likely to be considerable disturbance to a riverine area, depending on the type of EA you are applying for, the nature of the disturbance and the sensitivity of the area in which the disturbance is planned to take place, you may need additional conditions for your EA.

Level 1 ERAs are not considered to be low impact activities. Where Level 1 ERAs are proposed to be carried out, this application shall be refused and you are advised to make an application for a non-standard EA (mining lease).

ERAs are listed in Schedule 1 of the Environmental Protection Regulation 1998. An electronic copy is available at www.legislation.qld.gov.au/Legislation%20Docs/CurrentE.htm

31 A brief description of activities authorised to be undertaken.

Activities

Refer ATTACHMENT A "Environmental Management Overview Strategy (consolidating Mining Project Nos. PJ 50036, 50128, 50134 and 50150), incorporating Integrated Environmental Management System (Mining, Manufacturing & Extractive Industry Activities" dated October 2002 (doc. ref. 562_090.doc)

Where insufficient space, attach additional information.

32 Are you currently authorised and do you intend to mine or divert a waterway, watercourse or wetland or mine in a riverine area?

- ☐ Yes → Complete the table below.
☒ No → Go to question 33.

Name of waterway/ watercourse, or wetland to be mined / diverted	To be Mined/ diverted	Length of mine/ diversion (m)	Total area to be disturbed (m ²)

33 For mining claim projects only: Are you authorised to carry out a Level 1 environmental relevant activity (ERA) as part of the mining activities proposed for the mining claim?

- ☐ Yes → Please apply for an Environmental Authority (Mining Lease).
☐ No → Go to question 34.

34 Are you intending to carry out a Level 2 environmental relevant activity (ERA) as part of this mining project?

- ☐ Yes → Provide the relevant Level 2 ERA number(s):
☐ No → Go to question 35.

35 Please answer questions 35a to 35o below. If you tick 'yes' for any question, write the identity or location of the area in the space provided. Where previous consultation has occurred with the relevant authority regarding the mining activity, please attach details.

Are mining activities currently authorised to be carried out in, or adjacent to, any of the following areas:

a) Nature refuge? ¹ ☒ ☐ →

R



It may be determined that additional conditions are necessary in order for the mining activity to remain a standard mining activity.

The relevant authorities for each are listed, are:

¹ Environmental Protection Agency

² Qld Department of Natural Resources

³ Qld Department of Mines and Energy

⁴ Qld Department of Primary Industries

Are mining activities currently authorised to be carried out in, or adjacent to, any of the following areas:

	No	Yes	Identity or location of area
b) Resource reserves? ^{1,3}	☒	☐ →	
c) Declared catchment areas? ²	☒	☐ →	
d) Declared irrigation and project areas? ²	☒	☐ →	
e) Water supply areas and drainage areas? ²	☐	☒ →	ML No. 1152 is within the catchment of the Leslie Harrison Dam
f) River improvement areas? ²	☒	☐ →	
g) Stanbroke designated landscape area? ¹	☒	☐ →	
h) Historic mining sites? ^{1,3}	☒	☐ →	
i) State forest or timber reserve? ²	☒	☐ →	
j) DPI research site? ⁴	☒	☐ →	
k) Critical areas and public purpose reserves? ²	☒	☐ →	
l) Areas under coastal management plans and control districts? ¹	☒	☐ →	
m) Erosion prone areas and coastal management control districts? ¹	☒	☐ →	
n) Area declared in need of environmental protection by a State Planning Policy, eg. the Koala conservation area and other major habitat in State Planning Policy 1/97? ¹	☐	☒ →	ML Nos. 1152 and 50035 are within The Koala Conservation Area of State Planning Policy 1/97
o) Areas of land occupied by the Bureau of Sugar Experiment Stations to conduct research? ⁴	☒	☐ →	

36 For exploration and mineral development projects only: Is bulk sampling authorised and proposed?

- ☐ Yes → Approximate volume:m³
- ☐ No → Go to question 37.



Factors contributing to acid generation include disturbing and exposing to air, materials containing iron sulphide soils, particularly in areas where water is abundant.

Hazardous contaminants are contaminants that, if improperly treated, stored, disposed of or otherwise managed, are likely to cause serious or material environmental harm.

Discharge to land does not include discharge to a tailings dam.

Where the final land use has not been previously determined, propose an appropriate final land use for the area to be disturbed. Otherwise state the previously agreed final land use. When planning the final land use, you should take into account the level of management that will be required to maintain the proposed land use.

Where there are multiple land uses proposed for a mining tenement, attach a plan illustrating areas to be covered by each land use type.

37 If an open cut operation is authorised, is it proposed that a void will be left on completion of the project?

- ☒ Yes (on some mining leases only - refer ATTACHMENT A)
☐ No

38 Is there likely to be acid generation associated with the excavation undertaken as part of the project?

- ☐ Yes → Attach details of location and area of the excavation, and the waters likely to be impacted.
☒ No → Go to question 39

Attachment

39 Will or do the authorised activities involve releases of wastewaters, including any hazardous contaminants, to waters or land?

- ☒ Yes → Attach details of the waterway/watercourse/wetland, the nature of the hazardous contaminant and the method and frequency of release.
☐ No → Go to question 40.

Attachment

A

Applicants for amendment of a transitional authority (exploration) may go directly to Question 45.

40 Is any processing of ore authorised to occur on site?

- ☒ Yes → Attach estimate including method, chemicals used in the process, products (including approximate volumes), storage method and disposal method for products.
☐ No → Go to question 41.

Attachment

A

41 Are tailings dams authorised for the project?

- ☐ Yes → Attach estimate on the number, height of wall, capacity/volume and contents.
☒ No → Go to question 42.

Attachment

42 Are other dams authorised for the project?

- ☐ Yes → Attach estimate of type, height of wall and volume.
☒ No → Go to question 43.

Attachment

43 Identify the final land use for areas disturbed and to be disturbed.

List each mining tenement type & number	Proposed final land use (eg. grazing, landfill, native vegetation)
	Refer ATTACHMENT A "Environmental Management Overview Strategy (consolidating Mining Project Nos. PJ 50036, 50128, 50134 and 50150), incorporating Integrated Environmental Management System (Mining, Manufacturing & Extractive Industry Activities" dated October 2002 (doc. ref. 562_090.doc)



Financial assurance for proposed standard authorities

As a result of the amendment process, the holder of the EA must provide financial assurance as required by the standard environmental conditions.

For further details, see Guideline for Setting of Financial Assurance for Mining Activities and the relevant Code.

As a result of the amendment process, the holder of the EA must provide financial assurance as required by the standard environmental conditions.

For further details, see Guideline for Setting of Financial Assurance for Mining Activities and the relevant Code (Form 3 in the Code).

Where your Plan of Operations has not changed as a result of the proposed amendment, attach your current plan.

44 For a proposed amendment of, or to result in, a standard EA (mining claim) only: Indicate the amount of financial assurance proposed to be held for the standard EA (mining claim) by ticking the relevant box

Total area of disturbance	Previously mined area	All other areas
Category 1 - up to 0.1 hectare	☐ \$200	☐ \$400
Category 2 - 0.1 to 0.5 hectares	☐ \$400	☐ \$800
Category 3 - 0.5 to 1 hectares	☐ \$1000	☐ \$2000
Category 4 - 1 to 2 hectares	☐ \$2000	☐ \$4000
Total proposed to be held	\$	

45 For a proposed amendment of, or to result in, a standard EA (exploration or mineral development) only: Indicate the amount of financial assurance proposed to be held for the standard EA (exploration or mineral development) by ticking the relevant box

Total area of disturbance	Low risk ¹	High risk ²
Category 1 - less than 1 hectare	☐ \$2,500	☐ \$5,000
Category 2 - 1 to 4 hectares	☐ \$10,000	☐ \$20,000
Category 3 - 4 to 10 hectares	☐ \$20,000	☐ \$40,000
Total proposed to be held	\$	

¹Sites requiring simple, straight forward rehabilitation and where successful rehabilitation of analogous sites has previously been achieved.

²Difficult rehabilitation areas eg. dispersive soils, steep topography, remoteness, sensitive areas, etc.

46 For a proposed amendment of, or to result in, a standard EA (mining lease):

- Complete and submit with this application a Plan of Operations (ie forms 1-7 in the Code).
- Indicate the amount of financial assurance proposed to be held for the standard EA (mining lease) (ie calculated and stated on form 6 of Plan).

Total proposed to be held \$



Financial assurance for all environmental authorities

47 On the table below, insert the appropriate amounts and form of financial assurance, in relation to the EP Act.

Where additional FA is required to be submitted to the administering authority, please lodge the stated amount with this application. Refer to Q49.

For Q47-49 include the GST component when stating the amount proposed to be lodged; and the amounts currently held, where relevant (ie where the GST component has been previously submitted).

Where FA is to be returned to a company or financial institution, provide the Australian Business Number for that company/institution.

The administering authority will require FA in the form of either cash or a bank guarantee.

	Amount of Financial Assurance	Note:
A Proposed to be held ¹	\$ 199 919.00	FA will be reassessed following issue of EA and subsequent replacement POO for integrated project
B Currently held ²	\$ 186 799.00	
(A)-(B) Change in FA ³	\$ 13 120.00	

¹For standard EAs insert the amount proposed in the relevant question above (ie Q44, 45 or 46). For non-standard EAs insert the amount calculated in the planning document or amended planning document for the project.

²Insert the amount that is currently held by the administering authority under the EP Act (ie not including tenement security required by DME under the MR Act)

³A negative amount is the amount of FA to be returned by the administering authority (Question 48 applies). A positive amount is the additional FA (including GST) to be submitted to the administering authority (Question 49 applies).

⁴The EPA will require FA either as cash or a bank guarantee.

48 Where financial assurance is to be discharged and returned to a person(s), company/companies or financial institution, please identify the person, company or institution, nominate the amount to be returned and the form in which the financial assurance is currently held.

Name(s) & ABN	Amount(s) \$	Form held

49 Where financial assurance is to be amended and lodged with this application, please identify the person(s), company(ies) or institution providing the financial assurance on behalf of the (proposed) EA holder(s), nominate the amount and the form in which the financial assurance is being provided.

Name(s)	Amount \$	Form



Please read carefully through the certification opposite before signing.

You may apply for exemption from disclosing information contained in this application pursuant to section 564 of the EP Act) by completing an Application for Disclosure Exemption form.

OFFICE USE ONLY

DME district:

EPA district:

Entered in EPA database by (initials)

Fee lodged \$

Receipt no.

Signature

Where there is more than one applicant, this certification is to be signed by the person authorised to sign on behalf of all applicants (ie. the representative applicant).

Where the applicant or representative applicant is a company, this form is to be signed by an authorised person for that company.

Please lodge this application at your local DME district office.

Applicant Certification

I / We, being the person(s)/entity identified at question 1, hereby apply to amend the environmental authority stated at Question 5 as detailed in this application.

I / We agree to amend the authority stated at Question 5 (tick relevant box(es)):

- ☐ to become a standard environmental authority and state that I/we are able to comply with the standard environmental conditions of the Code of Environmental Compliance (insert name of Code), dated
- ☐ to become a standard environmental authority and state that I/we are able to comply with the Standard Environmental Conditions of the Code of Environmental Compliance (insert name of Code), dated subject to the Standard Environmental Conditions being modified by the additional conditions that have been proposed in the attachment to this application.
- ☒ to become a non-standard environmental authority.
- ☐ to remove one or more holders as stated in Question 17.
- ☐ to include additional activities or a change in the scale or type of mining activities as stated in Question 19.
- ☒ to amend conditions of the environmental authority.
- ☐ to delete the standard environmental conditions (SECs) in the existing authority and insert the set of SECs from a revised Code and state that I/we are able to comply with the standard environmental conditions of the Code of Environmental Compliance (insert name of Code), dated
- ☐ to delete the standard environmental conditions (SECs) in the existing authority and insert the set of SECs from a revised Code and state that I/we are able to comply with the standard environmental conditions of the Code of Environmental Compliance (insert name of Code), dated subject to the Standard Environmental Conditions being modified by the additional conditions that have been proposed in the attachment to this application.

I/We:

- understand that all information supplied on or with this application form may be made available upon request, subject to the provisions of the *Freedom of Information Act 1992* and/or by EPA administrative access arrangements.
- understand that suitability inquiries may be made of any applicant.
- enclose the required amendment application fee of \$150.

I,

SIM BRENNAN

Name of person signing this form

- am authorised to sign on behalf of the applicant(s), and commit this person/entity in all matters relevant to this application. I am aware that under section 480 of the *Environmental Protection Act 1994*, it is an offence to give the administering authority information that I know is false, misleading or incomplete in any material particular. The maximum penalty for such action is 165 penalty units for an individual, or 825 penalty units where the applicant is a corporation (section 181 B (3) of the *Penalties and Sentences Act 1992*). The current penalty unit value is \$75.00.

73(2)Irrelevant

Signature

73(2)Irrelevant

OPERATIONS MANAGER.

Position (eg. Director, manager etc.) and company of signatory

14-10-02

Date

R



Table 1 - Criteria for standard EAs (Questions 27 & 28)

Circle criterion not complied with (ie. where you answered "yes" at Question 27 or 28).	27a	27b	27c	27d	27e		
	28a	28b	28c	28d	28e	28f	28g
Reason for not being able to comply with that criterion.							
Description of how the non-compliance will be managed so the activity remains a low risk of serious environmental harm. <i>(If your answer here is to propose an additional condition, you can write "see Table 2").</i>							

Table 2 - Additional conditions (Questions 22 or 30)

Standard Environmental Condition No. (refer to Code) OR Condition No. of your EA OR Criterion from Questions 27 or 28.	
Reason for not being able to comply with the standard environmental condition. <i>(You do not need to provide an answer for being unable to comply with a Criterion if you have already provided an answer in Table 1).</i>	
Additional condition you propose in place of the standard environmental condition or to manage the Criteria.	
Description of how the proposed condition will ensure a low risk of serious environmental harm from the activity compatible with the intent of the relevant Standard Environmental Condition or the Criteria.	



Appointment of principal applicant

We, being joint applicants for the attached amendment application, hereby appoint

Printed name of tenement holder / proposed transferee

to be the principal applicant for this amendment application.

List all joint applicants

Applicant name / Company		
Signatory name & position	Signature	Date

Applicant name / Company		
Signatory name & position	Signature	Date

Applicant name / Company		
Signatory name & position	Signature	Date

Applicant name / Company		
Signatory name & position	Signature	Date

The EPA may accept an application for EA made for all the joint applicants by a person who is a joint applicant if satisfied the person is authorised to make the application for each of the joint applicants.

In deciding an application for EA, the EPA must consider any suitability report obtained for the application.

Insert here business stamp including ABN number

Environmental Protection Agency
ABN 87 221 158 786
TAX INVOICE / RECEIPT



A 041725

Date: 15/11/02

RECEIVED by Cash/Cheque from THE AUSTRAL BRICK COMPANY PTY LTD
(Insert here name of drawer of cheque) the sum of TWENTY TWO THOUSAND SEVEN
HUNDRED & FORTY dollars cents

on account of the Queensland Government, for APPLICATION FEE (INTEGRATED AUTHORITY)

4026 WBL00\$R0R

Price Excluding GST:

\$ 22740.00

GST (if applicable):

\$

TOTAL PRICE INCLUDING GST:

\$ 22740.00

Signature: ... 73(2) Irrelevant

Cheques or other negotiable instruments accepted subject to clearance



GROUNDWORK Attn: Allen Jemmy 38710021 fx.

from

73(2)Irrelevant

15/11/02 4:15

Insert here business stamp including ABN number

Environmental Protection Agency
ABN 87 221 158 786
TAX INVOICE / RECEIPT



Queensland
Government

A 041725

Date: 15/11/02

RECEIVED by Cash/Cheque from THE AUSTRAL BRICK COMPANY PTY LTD

(Insert here name of drawer of cheque) the sum of TWENTY TWO THOUSAND SEVEN

HUNDRED & FORTY dollars

cents

on account of the Queensland Government, for

APPLICATION FEE (INTEGRATED AUTHORITY)

4026 WBLCC \$ROR

Price Excluding GST:

\$ 22 740-00

GST (if applicable):

\$

Signature: 73(2)Irrelevant

TOTAL PRICE INCLUDING GST:

\$ 22 740-00

Cheques or other negotiable instruments accepted subject to clearance



Form 1 Development Application

idas INTEGRATED DEVELOPMENT
ASSESSMENT SYSTEM

PART

A

Common details
for all applications

The completion of all questions on Part A is mandatory for all applications. For further information refer to the guide for completing the application form available from the assessment manager or on the IPA website at www.ipa.qld.gov.au

1. Description of land

The description must identify all land subject of the application including land/easements over which access is to be obtained.

The lot & plan details (eg. SP / RP) are shown on title documents or a rates notice.

If the plan is not registered by title, provide previous lot and plan details.

Street address (Include no., street, suburb / locality & postcode)

German Church Road

Redland Bay

Postcode 4165

Lot & plan details (Attach list if necessary)

Shop / tenancy no. (If applicable)

Storey / level (If applicable)

Total area of land (m² / ha)

23.01 ha

In which local government area is the land situated?

Redlands Shire Council

2. Proposal

Provide details of the proposal (eg. new house / apartment building etc, demolition / removal of a house, extension to existing shop, new carport etc).

Details of the existing use of the land (Attach proposal report if necessary)

Mining and Extractive Industry (refer ATTACHMENT A)

Details of the proposal (Attach proposal report if necessary)

Mining and Extractive Industry (refer ATTACHMENT A)

3. Other parts of the form completed

Complete all other parts of the form applicable to your application.

What other parts of the form are attached (E.g. Part B: if the application involves assessment against the Building Act, Part D — if the application involves assessment against the planning scheme for material change of use, Part F — if the application involves reconfiguring a lot)

Part G

4. Applicant details

Clearly identify who is making the application. The applicant need not be the owner of the land.

In signing and lodging this application, the applicant is responsible for ensuring the information provided is true. The assessment manager, any referral agency and the Chief Executive (where applicable) will rely on this information when assessing the application.

If the applicant is a company, a contact person must be shown.

All correspondence will be mailed to this address.

Name

The Austral Brick Co. Pty Ltd

Signature

Date

Contact person

Mr Jim Brennan

Phone no.

3347 2111

Mobile no.

73(2)Irrelevant

Fax no.

3849 4028

Email address

Postal address

105 Gardner Road, Rochedale

Postcode 4123

5. Consent of land owner/s

Completion of this question is only required if the applicant is not the owner or the person authorised to sign as the owner.

Completion of this section provides the owner's consent to the lodgement of this application. If there are multiple owners, the consent of each owner is required. If the owner is a company refer to Guide 1.

Name (In full) (Attach list if necessary)

Applicant is owner

Signature/s (Or if a company, the ACN plus signature/s or company seal & signatures)

Date

Contact

73(2)Irrelevant

FOR THE AUSTRAL BRICK COMPANY.

14-11-02.

OFFICE USE ONLY (applicable to assessment manager, alternative assessment manager and private certifier)

FEE (\$)	DATE RECEIVED	RECEIVING OFFICER'S NAME/S	REFERENCE NUMBER/S
----------	---------------	----------------------------	--------------------

Notification of Engagement of Private Certifier (Optional format for private certifiers)

To _____ Council. I have been engaged as a private certifier for the building work referred to in this application.

Date of engagement: / / Accreditation Number _____

Name: _____ Signature: _____

Form 1 Development Application

idas

INTEGRATED DEVELOPMENT
ASSESSMENT SYSTEMPART
GComplete if this application involves *assessment for an*
**Environmentally Relevant
Activity (ERA)**

The completion of all questions on Part G of this form is *mandatory* for all development applications for a material change of use of premises for an ERA.

Nature of the ERA

To assist in completing this section, refer to the Environmental Protection Agency's (EPAs) Guideline No 1 IPA/ERA available on the EPAs website at <http://www.env.qld.gov.au> under Business and Industry / Environmental Guidelines / Integrated Planning Act, or contact the local government.

To identify who the administering authority is for each ERA, refer to Schedule 1 of the *Environmental Protection Regulation 1998* or contact the EPA or local government.

If the proposed ERA is a Level 1 activity, an application for an environmental authority under the *Environmental Protection Act 1994* is also required before the use starts. A fee saving is available if the applications are lodged together.

1. Identify each existing (if any) & proposed ERA(s) (eg. ERA 15) & its description (Attach list if necessary)

(1) ERA **20(c) Extracting Rock and Other Material****Existing Level** (If applicable)☐ Level 1 ☐ Level 2**Proposed Level** (Tick applicable box)☒ Level 1 ☐ Level 2**Existing Threshold** (If applicable)**Proposed Threshold**

100 000 tonnes or more pa

(2) ERA **22(c) Screening etc. materials****Existing Level** (If applicable)☐ Level 1 ☐ Level 2**Proposed Level** (Tick applicable box)☒ Level 1 ☐ Level 2**Existing Threshold** (If applicable)**Proposed Threshold**

100 000 tonnes or more pa

Referral triggers

If this application is for a material change of use for an ERA and clearing vegetation on freehold land only, it may trigger referral to an IDAS referral agency.

2. Does the application trigger referral to an IDAS referral agency? (Tick applicable box) (Use the Referrals Checklist to determine any possible referrals for this application).

☒ NO☒ YES If yes, attach Referrals Checklist**Details of the land**

For further details regarding preparing a Proposal Report refer to Guide 7.

3. Plans and written information are required to accompany applications for ERAs. These plans & information are required to address the following matters regarding the land (Tick if accompanying this application) —

☒ A description of the existing environment (ie. maps of the land and surrounding area, zoning of the land and surrounding areas) Attachment A☒ Details of the distance to any watercourse, dam, bore etc on or adjoining the land. Attachment A☒ Details of any of the following types of materials currently stored on the land (i.e. flammable & combustible materials, chemicals, other hazardous substances) Attachment A☐ Details of the location of any acid sulphate soils within or adjoining the land**Details of the activity**

An application for an environmental relevant activity must be supported by enough information to enable the administering authority to decide the application, including, for example, relevant information about the likely risks to the environment, details of waste to be generated and any waste minimisation strategy.

4. Plans and written information are required to accompany applications for ERAs. These plans & information are required to address the following matters regarding the proposal (Tick if accompanying this application) —

☒ A description of the activity (i.e. proposed operation and activities, discharge points, process details) Attach. A.☒ Details of stormwater generation & disposal (i.e. stormwater management plans) Attach. A☒ Details of waste produced, including solid and liquid waste (i.e. waste management, waste minimisation plan, trade waste permit) Attachment A☒ Details of contaminant releases and their impacts on the receiving environment (i.e. discharge to waters, air, land; generation of noise, discharge of other contaminants) Attachment A☒ Details of any of the following types of materials proposed to be stored on the land (i.e. flammable & combustible materials, chemicals, other hazardous substances) Attachment A☒ Details of proposed hours of operation Attachment A☐ Details of business trading name.**Fee payable**

5. Provide details of the fee payable for each scheduled ERA(s) listed in Question 1 (Attach additional details if necessary)

\$4880 for each of 20(c) & 22(c) plus \$200 each application fee

Plans and documents

6. Is the application accompanied by: (Tick applicable box/es)

☐ Plans☐ Proposal report☒ Other (Specify) ATTACHMENT A (EMOS/EMS document ref. 562_090.doc)

This application cannot be accepted by the assessment manager unless accompanied by Part A of the Development Application

OFFICE USE ONLY (applicable to assessment manager and alternative assessment manager)

DATE RECEIVED

REFERENCE NUMBER/S

R



Enquiries Matt Buchanan
Telephone (07) 3224 6349
Your reference
Our reference

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

19 September 2002

Jim Brennan
The Austral Brick Company Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

Dear Mr Brennan

**PLAN OF OPERATIONS FOR ROCHEDALE / REDLAND BAY PROJECT and
INTEGRATED AUTHORITY APPLICATION**

I refer to the plan of operations submitted to this office of the EPA on 27 August 2002 by your consultants, Groundwork.

In the course of initial assessment of the tenements that are included in the plan of operations, I note that ML50189 has been included. I believe that MLA50189 has been recommended for grant by the Land and Resources Tribunal and that draft environmental authority M7375 was issued for this tenement, pending granting of the mining lease.

Initial assessment indicates that the plan of operations is inconsistent with the EMOS to the extent that the future operations on MLA50189 cannot be audited or compared to the conditions of the EMOS as the EMOS does not relate to that tenement. Any plan of operations for ML50189 must refer to the conditions of that draft environmental authority M7375.

The plan does not comply with section 234(1)(a) of the *Environmental Protection Act 1994* requiring description of mining leases relevant to the environmental authority and s.234(1)(d)(ii)(B) requiring an action program for complying with the conditions of the environmental authority.

Accordingly, you should review the plan of operations to ensure that these inconsistencies are removed and re-submit the plan of operations to the EPA.

Incorporation of ML50189 in Project EMOS

The details of MLA50189 can be included in the new EMOS that you are preparing for your Brisbane area projects as this is a specific requirement of condition B1 of M7375. I note also the recommendations of Deputy President DP Kingham when recommending the grant of

ML50189 on 6 June 2002 as below:

2. I recommend to the Honourable the Minister for Natural Resources and Minister for Mines that:

(b) that, if the lease is granted, he provide the EPA with a copy of the Council's memo and Mr Jermyn's Statutory Declaration, when the Mining Registrar advises the EPA of the grant of the lease.

Should you provide the council memo and statutory declaration of Allen Jermyn with your integrated authority application, the EPA will be able to include any necessary conditions for ML50819 in the integrated authority. This will negate the need to amend the integrated authority to include any necessary conditions after the grant of the lease and eliminate any unnecessary delays.

If you have any questions about the contents of this letter, please contact me on 3224 6349.

Yours sincerely

73(2)Irrelevant

19/9/2002

Matthew Buchanan
A/ Principal Environmental Officer (Mining and Extractive)
Southern Region (Licensing)

Cc
Lee Reiken
Deputy Mining Registrar
Fax: 3405 5345

Allen Jermyn
Groundwork EMS Pty Ltd
Fax: 3871 0021



Coordinated Assessment Committee Report

This report is prepared by an assessment officer for consideration by the Coordinated Assessment Committee (CAC). Upon determining the next appropriate course of action, the Chair of the Committee completes the 'CAC Recommendation' section of the report and returns it to the assessment officer for action.

Date prepared: 23 October 2001

Project details

EA No.: T1274, T1275, T1277, T1285, T1286, T2241, T3492, T3483, T3582, SR363, SR1449
Project ID: PJ50036, PJ50128, PJ50134, PJ50150
EPA Administering District: Southern (Brisbane)
EPA Region: Southern
Project Name: Integrated Authority - The Austral Brick Co. Pty Ltd
Project type (may be more than one): ☐ Exploration ☐ Mineral development ☒ Mining lease
☐ Other
Proponent: The Austral Brick Co. Pty Ltd
Project location: Rochedale and Riverview/Swanbank
Project Description: Several clay pits and two brickworks
Application type: Yet to be submitted Integrated Authority Application
Application date: N/a
Decision required: Nominate Project Director for prelodgement
Decision Due: N/a
Recommended Decision: Other: Recommend accepting an Integrated Authority Application
Recommended Project Director: RSD Southern EPA
Assessing Officer: Ian Wilson

Additional processes required: (attach details where necessary)

- ☒ None
- ☐ Other applications received by EPA for project
- ☐ Referral Coordination under Integrated Planning Act 1997
- ☐ An EIS process under any Queensland Act
- ☐ A process under the State Development and Public Works Organisation Act 1971;
- ☐ Major works under the Marine Parks Act 1982;
- ☐ Commonwealth processes under the Environmental Protection and Biodiversity Conservation Act 1999.

Special circumstances: (attach details where necessary)

- ☒ None
- ☐ Affects a sensitive area
- ☐ Involves a large number of individual decisions;
- ☐ Is likely to generate significant community concern;
- ☐ Needs policy change for approval;
- ☐ Applicant suitability;
- ☐ Involves a make or break issue;
- ☐ Involves significant issues with another State/Commonwealth Agency; and
- ☐ Another special circumstance which significantly elevates environmental, social or economic risks beyond those usual for this type of project.

R

Indicate the level of impact or significance for each of the following EPA/QPWS interests: [if impact is indicated, notes must be included to describe how]

Biodiversity

N/A	Rare and threatened species and ecosystems
N/A	Vegetation clearing
N/A	Marine systems
N/A	Sustainable use of wildlife
N/A	Riparian buffer zones

Notes:

National and international

N/A	World heritage
N/A	RAMSAR listed wetlands
N/A	Migratory species
N/A	National estate
N/A	Commonwealth marine areas
N/A	Radioactive materials

Notes:

Resource allocation

Medium	Mining
N/A	Dredging
N/A	Occupancy of marine lands (marinas etc)
N/A	Commercial opportunities on national parks and marine parks
N/A	Allocation of public resources (e.g. physical and natural resources environmental capacity),
N/A	National competition policy

Notes:

Medium scale operations

Tenure Issues

N/A	Protected areas
N/A	Native title interests
N/A	Offshore jurisdiction
N/A	Commonwealth jurisdiction
N/A	Inter-State jurisdiction

Notes:

Water Issues

Low	Quality
Low	Discharges
N/A	Stream flows (effects in ecology)
Low	Waterways management
Low	Hydrology
N/A	Impacts on freshwater and marine systems
Low	Ground water

Notes:

Little discharge likely

Air Issues

Low	Air shed management
Low	Pollution
N/A	Health
Low	Nuisance
Low	Ecological impacts

Notes:

Emissions from two brickworks

Noise Issues

Low	Community noise
Low	Transportation noise
Low	Industrial noise
N/A	Ground vibration
N/A	Airblast overpressure

Notes:

Operating in busy industrial area

Waste Issues

Low	Solid waste
N/A	Liquid waste
N/A	Gaseous waste
N/A	Dredge spoil disposal
N/A	Energy
N/A	Best practice environmental management

Notes:



Land Issues

N/A	Contaminated land
Unknown	Acid sulphate soils
Unknown	Erosion/stability
Low	Landscapes
Unknown	Effects on hydrology
Medium	Sustainable use
N/A	Clearing
N/A	Land use history
N/A	Compliance with planning schemes
N/A	Rehabilitation and subsequent use

Notes:

Continuing established activities

Heritage Issues

N/A	Aboriginal and Torres Strait Islander cultural sites
N/A	Historic buildings and locations
N/A	Designated landscape Area

Notes:

Coastal Issues:

N/A	Erosion
N/A	Structures
N/A	Reclamation
N/A	Strategic planning

Notes:

Impacts on surrounds Issues

Low	Transportation
Low	visual impacts
Low	compatibility with surrounding uses and activities
Unknown	neighbours opinions

Notes:

Social issues

Medium	Amenity
Low	displacement of use
Unknown	community views
Low	public safety
N/A	politics/policy

Notes:

Prel-odgement Advice: [indicate who gave advice and when]

Ian Wilson met with Dave Kershaw, Allen Jermyn and Peter Baker on 19 June 2001 to discuss the options for combining their 4 existing projects into one or two. They were advised to amend one transitional authority to bring in all MLs and one of the brickworks that is a mining activity (Noting that an integrated authority would be needed to include the second brickworks).

Other issues

One ML also has a development approval for extractive industries and Austral wishes to include ERA 20 and ERA 22 in the integrated authority with ERA 17, ERA 21, ERA 61, ERA 75(a)

Austral has addressed the criteria for grant of an integrated authority as listed in an EPA Operational Policy. The only issue that could be a barrier to their application appears to be whether the brickworks are places that host activities that have inherently significant risk of environmental harm. Austral has provided reasons for this not being the case.

General comments and additional information:

No application has been lodged. This is only a request seeking a determination of what the EPA's response might be to an integrated application.



CAC Recommendation

CAC Recommendation:

Consult with A/RSD Southern on appropriateness of providing a positive response

Accepted in principle

Project Director:

A/RSD Southern

Assessment Office:

CSU

Project Risk Level:

3

Signature

73(2) Irrelevant

Date:

24/10/10

- Please attach a contextual map showing the location of the proposed activity.
- If EIS decision to be made, attach EIS trigger checklists.
- If other decisions to be made by Agency attach CDP decision risk table.

Published on DES Disclosure Log
RTI Act 2009

Fax



Queensland Government

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

To:	Jim Brennan	Fax:	3849 4028
From:	Matthew Buchanan, Southern Region		
Telephone:	(07) 3224 6349	Fax:	(07) 3225 8723
E-mail:	matt.buchanan@env.qld.gov.au		
Date:	02 November 2001	Pages:	1 (including this page) <u>3</u>
Subject:	Letter to Kershaw about Integrated Authority		

Jim

As discussed, letter is attached.

Regards

73(2)Irrelevant

Matt Buchanan

Privacy and confidentiality notice

The information contained in this facsimile is intended for the named recipient/s only. It may contain privileged and confidential information and if you are not an intended recipient, you must not copy, distribute or take any action in reliance on it. If you have received this facsimile in error, please notify the sender.



Enquiries Matthew Buchanan
Telephone (07) 3224 6349
Your reference
Our reference

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

2 November 2001

D R Kershaw
Kershaw & Co.
9 McInroy Street
TARINGA QLD 4068

Dear Mr Kershaw

THE AUSTRAL BRICK COMPANY - APPLICATION FOR INTEGRATED AUTHORITY

I refer to your correspondence of 16 October 2001 requesting a determination from the EPA as to the acceptance of an integrated authority application for activities undertaken by The Austral Brick Company in south east Queensland.

Based on the information that you have provided, it would appear that your request does meet EPA operational policy in relation to integrated authorities. As such, an application in relation to the activities that you have detailed would be accepted for assessment, provided all other requirements in relation to application validity are met.

The integrated application would include the following application types:

- application for licence (with development approval) for the proposed Redlands extraction project;
- application for licence (without development approval) to replace the existing SR1449 for the Riverview brickworks;
- application for environmental authority (mining activities) to replace the existing transitional mining authorities (including Gardner Road brickworks).

To assist you in this task, I direct you to the following forms and information sheets that are available on our website at www.env.qld.gov.au:

1. Information sheet for how to prepare an integrated authority application;
2. Information sheet on preparing an IEMS submission;
3. Common applicant details form;
4. Integrated Planning Act forms A and G (not available on EPA website);
5. Section 311 - Application for Integrated Authority;
6. Section 82 - Application for licence (with development approval) – for the proposed Redlands extraction project;
7. Section 89 - Application for licence (without development approval) – for the existing Riverview Brickworks;
8. Section 154 - Application for environmental authority (mining activities) – for all other activities on existing mining tenements.

R

We would also require you to surrender all brickworks licences that you currently hold to take effect on the day that the integrated authority commences.

As this submission is a complex integration of many application types, I recommend that you contact the EPA to arrange a pre-lodgement meeting for this application when the draft EMOS has been completed.

The fees for your submission would be:

<i>Application for development approval and licence (with development approval)</i>	<i>Fee breakdown</i>	<i>Total Fee (\$)</i>
Application fee + Annual Fee for ERA 20(b)	200 + 3960	4160
Application fee + Annual Fee for ERA 22(b)	200 + 3960	4160
 <i>Application for Integrated Authority</i>		
Application Fee + Highest annual fee of all ERAs that are proposed to be authorised by the integrated authority:	200 + 12380	12580
ERA 21(b) mining activities		
TOTAL (on application and for first year of operations)		20 900
Annual Fee (from year 2 onwards)		12 380

If you have any questions regarding these matters, please contact Matthew Buchanan on 3224 6349.

Yours faithfully

73(2)Irrelevant

Gary Kane
Operations Manager – Licensing
Southern Region



Enquiries Matthew Buchanan
Telephone (07) 3224 6349
Your reference
Our reference

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

2 November 2001

D R Kershaw
Kershaw & Co.
9 McInroy Street
TARINGA QLD 4068

Dear Mr Kershaw

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3. Common applicant details form;
4. Integrated Planning Act forms A and G (not available on EPA website);
5. Section 311 - Application for Integrated Authority;
6. Section 82 - Application for licence (with development approval) – for the proposed Redlands extraction project;
7. Section 89 - Application for licence (without development approval) – for the existing Riverview Brickworks;
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R

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Application Fee + Highest annual fee of all ERAs that are proposed to be authorised by the integrated authority:	200 + 12380	12580
ERA 21(b) mining activities		
TOTAL (on application and for first year of operations)		20 900
Annual Fee (from year 2 onwards)		12 380

If you have any questions regarding these matters, please contact Matthew Buchanan on 3224 6349.

Yours faithfully

73(2)Irrelevant

Gary Kane
Operations Manager – Licensing
Southern Region

Coordinated Assessment Committee (Mining)

24 October 2001

Floor 10 small conference room: 9.00 - 10.00

Participants:

Ian Yarroll
Ron Anderson
Ian Wilson
Karen Dennis

Gary Kane

Southern Region EPA

MATT BUCHANAN

(30/10/01 - Ann Knif)

Agenda:

1. Minutes of previous meeting/s
2. Applications for consideration
 - Nil
3. Pre-lodgements
 - Austral Bricks - proposed application for integrated environmental authority
4. Other Business
 - Endangered Regional Ecosystems policy development (Karen Dennis)
5. Next meeting



R

16 October 2001
REF: 562_078

**ENVIRONMENT PROTECTION
AGENCY**

19 OCT 2001

Environmental Protection Agency
160 Ann Street
BRISBANE QLD 4000

Attention: Dr Ian Wilson

KERSHAW & CO.

Incorporated as
Groundwork Environmental Management Services Pty Ltd ACN 079 084 245

land, soil, rock, mineral, landscape,
construction materials, water, air.

Resources - assessment and management.

Environment - assessment, planning,
monitoring, and management.

Land Use - approvals, permits, and licences.

9 McInroy Street,
TARINGA, QLD,
4068 AUSTRALIA

Email: Kershaw.Co@uq.net.au
Web: www.groundwork.com.au

☎ (07) 3871 0411

Fax: (07) 3871 0021



Dear Sir,

**DETERMINATION FOR ACCEPTANCE OF AN
APPLICATION FOR AN INTEGRATED AUTHORITY
THE AUSTRAL BRICK CO. PTY LTD**

On behalf of The Austral Brick Co. Pty Ltd (Austral), we request a determination from the Environmental Protection Agency (EPA) regarding acceptance of a single application for an environmental authority from Austral for different activities carried out by the company at various locations in South East Queensland.

The activities, locations and circumstances are summarised as follows:

ACTIVITIES AND LOCATIONS

Mining Activities

Clay, shale and associated mineral is mined by Austral from nine (9) mining leases in the Brisbane, Ipswich and Redland Bay local authority areas. The clay/shale is used by Austral for the manufacture of clay bricks and pavers and other ceramic products at two (2) manufacturing facilities owned and operated by Austral at Rochedale and Riverview.

Pertinent information regarding the mining leases held by Austral is summarised in
TABLE 1 – MINING TENURE SUMMARY

TABLE 1 – MINING TENURE SUMMARY

ML No.	Environmental Authority No.	Current Project No.	Expiry	Lease Area (Ha)	Surface Area (Ha)	Background Tenure	Location
1151	T1274	PJ50036	31/1/2020	45.8	41.0	Part Lot 2 RP844169 Part Lot 43 RP207847 Part Lot 45 RP207847 Parish of Tingalpa	Gardner Road, Rochedale
1152	T1275	PJ50036	31/12/2019	34.37	34.37	Lots 23 and 24 Portion 371, RP30624 Parish of Tingalpa	Ford Road, Burbank

R

ML No.	Environmental Authority No.	Current Project No.	Expiry	Lease Area (Ha)	Surface Area (Ha)	Background Tenure	Location
1156	T1277	PJ50036	28/2/2021	53.51	49.37	Part Lot 2 RP844169 Part Lot 43 RP207847 Part Lot 45 RP207847 Lot 1 RP844169 Parish of Tingalpa	Gardner Road, Rochedale
1165	T1285	PJ50036	30/11/2024	9.11	7.89	Part Lot 2 RP844169 Part Lot 43 RP207847 Part Lot 45 RP207847 Lot 42 RP207846 Access Lot 43 RP207847 Access Parish of Tingalpa	Gardner Road, Rochedale
1167	T1286	PJ50134	30/12/2005	15.43	15.43	Lot 2 RP70512 Lot 10 RP71787 Lots 4, 5, 6, 7 RP56555 Parish of Oxley	Douglas Street, Oxley
4578	T2241	PJ50128	30/4/2006	74.33	42.88	Lot 42 RP816107 Lot 6 RP24389 Lot 3 RPO13537 Lot 2 RP13537 Lot 1 RP13537 Lot 17 S.1518.31 Lot 18 S.1518.31 Lot 19 S.1518.31 Lot 12 S.1518.31 Lot 1 RP101603	Patrick Street, Swanbank
50035	T3492	PJ50036	31/10/2017	23.01	23.01	Lot 1 RP854704 Parish of Redland	German Church Road, Redland Bay
50115	T3483	PJ50150	1/5/2026	106.9	106.9	Lot 1 RP180876 Lot 251 S3185 Lot 2 RP147482 Lot 4 RP22539 Parish of Goodna	Whitwood Street, New Chum
50165	T3582	PJ50036	17/04/2020	6.92	6.92	Part Lot 47 RP207848 Part Lot 48 RP207848 Part Lot 51 RP207848 Parish of Tingalpa	Gardner Road, Rochedale

Manufacturing Activities

Austral operates two (2) dependant manufacturing facilities which utilise the clay/shale mineral mined from the leases identified in TABLE 1 for the manufacture of clay bricks and pavers and other ceramic products.

Pertinent information regarding the facilities is summarised in **TABLE 2 – MANUFACTURING FACILITIES SUMMARY.**

TABLE 2 – MANUFACTURING FACILITIES SUMMARY

Name	Environmental Authority No.	Mining Tenure No.	Real Property Description	Activities (ERA Nos.)	Location
Rochedale Plant	SR363	ML no. 1151	Lot 2 RP844169 Parish of Tingalpa	17 61 75(a)(vi)	Gardner Road, Rochedale
Riverview Plant	SR1449	NA	Lot 1 RP166658 Parish of Goodna	17 22(c) 61	Riverview Road, Riverview

Extractive Industry Activities

The land the subject of Austral held ML No. 50035 at Redland Bay also has development approval for extractive industry (quarrying) (Consent Order by the Local Government Court) for the purpose of extraction of materials, processing and stockpiling. The land was previously quarried and the old workings are adjacent to the current area being mined. However, to date, Austral has not conducted quarrying related activities (ERAs 20 and 22) on the land and is currently not licensed by the EPA to do so. However, as an aid to carrying out mining activities (utilisation of mining waste for quarry products), Austral wishes to include ERAs 20 and 22 under the proposed integrated authority.

CIRCUMSTANCES SUPPORTING ISSUE OF AN INTEGRATED AUTHORITY

The EPA has issued an Operational Policy entitled "*Circumstance for issuing an integrated authority*" which nominates certain criteria regarding acceptance of a single application for an integrated authority.

Austral maintains that it meets the criteria and issue of an integrated authority for all its mining, manufacturing and related activities is a desirable and appropriate outcome for efficient and effective environmental management of those activities.

The criteria nominated in the Operational Policy together with supporting statements follows:

"the environmentally relevant activities that are the subject of the application ("the activities") carried out at all of the sites must come under the day-to-day management of a single responsible person, for example, the applicant company's operational manager or site manager;"

Comment:

All Austral's environmentally relevant activities come under the day to day management of a single responsible person namely Mr Jim Brennan, Operations Manager. Mr Brennan's responsibilities include the environmental management of all Austral's operations.

"all the activities will be carried out by the applicant under an IEMS¹ and a submission for the IEMS accompanies the application;"

¹ refer to Environmental Protection Agency Operational Policy - Licensing - Circumstances for issuing an integrated authority

Comment:

All necessary documentation as directed by the EPA will be provided by Austral and accompany the application.

R

"all the particular application requirements prescribed for each of the type of environmental authority that will comprise the integrated environmental authority must be complied with²;"

² refer to Environmental Protection Agency Operational Policy - Licensing - Circumstances for issuing an integrated authority

Comment:

Austral will comply with this requirement.

"all the activities must be operationally inter-related to one another in some way³;"

³ refer to Environmental Protection Agency Operational Policy - Licensing - Circumstances for issuing an integrated authority

Comment:

Austral's activities are part of a single principal undertaking namely, mining of clay/shale, utilisation of the mined clay/shale for clay brick and paver manufacture and management, minimisation and utilisation of waste/by products of mining and manufacturing to the extent possible. All these activities are inter-related.

"in the judgment of the delegate of the administering authority, the proposed integrated management will lead to lower risk of environmental harm being caused as a result of the activities;"

Comment:

The proposed integrated management of Austral's activities will lead to efficiencies in administrative management which will directly benefit environmental management. Cost savings can be directed towards environmental initiatives and environmental improvement programs. Integration of mining and proposed quarry activities on ML No. 50035 will maximise extraction efficiencies, minimise waste rock disposal and result in a nett beneficial environmental outcome. Inclusion of the Riverview manufacturing facility will not detract from environmental performance. This modern facility has an excellent record of environmental compliance significantly better than that required by current licence conditions.

In summary, proposed integrated management will not increase the risk of environmental harm but will, over time, promote efficiencies and reduce operational, administrative and statutory costs. This in turn will provide additional funds for environmental programs with the potential to lead to a lower risk of environmental harm.

"if the activities take place contemporaneously at more than one place, then:

- (a) no more than one of the places can host activities that have an inherently significant risk of environmental harm⁴; and***
- (b) the activities must not be separated by large distances that mitigate against integrated day-to-day management, typically activities more than 100 kilometres apart (except for itinerant activities);"***

⁴ refer to Environmental Protection Agency Operational Policy - Licensing - Circumstances for issuing an integrated authority

R

Comment:

- (a) The nature of Austral's mining operations is such that, with one or two exceptions, mining activities on individual leases take place on an intermittent "as needed" basis. The proposed extractive industry activities on ML No. 50035 will be also generally carried out on an intermittent "project" basis. Manufacturing activities are conducted continuously.

It would appear that Austral's mining and proposed extractive industry activities will not result in an 'inherently significant risk of environmental harm' as defined in EPA's Operational Policy.

Austral's manufacturing facilities release contaminants to the atmosphere via stacks. However, the modern facility at Riverview has a demonstrated history of emission compliance significantly better than that required by Licence conditions and would unlikely be considered an activity with an inherently significant risk of environmental harm.

As a consequence, it is likely that of all of Austral's activities at different places, only the Rochedale manufacturing facility could potentially be considered as having an inherently significant risk of environmental harm.

- (b) All Austral's activities are less than 100 kilometres apart. The maximum road distance between the two most geographically separated activities operated by Austral is approximately 65 to 70 kilometres permitting effective integrated day to day management.

"if the activities involve several mining activities under chapter 5, the mining activities must be applied for as a mining project (see EP Act section 155);"

Comment:

All Austral's mining activities are included as a mining project.

"if the activities involve mining activities under chapter 5 and other environmentally relevant activities under chapter 4, the activities under chapter 4 must be essential components of, or aid in the carrying out of the mining activity, or result from an additional use of a facility or structure that is part of the mining activity;"

Comment:

Austral's activities involve mining activities under Chapter 5 and other environmentally relevant activities under Chapter 4, namely:

➤ **Rochedale Manufacturing Facility**

(ERA 17 – Fuel burning, ERA 61 – Clay or ceramic products manufacture, ERA 75(a)(vi) – Waste disposal – Licence No. SR 363)

The facility is located on ML No. 1151. The mining and manufacturing activities are operationally inter-related and inter-dependant. All of the clay/shale mined from Austral's mining leases is utilised in Austral owned and operated manufacturing facilities. The activities are essential

components of each other. The waste disposal activity is licensed specifically for disposal of particular manufacturing waste only.

➤ **Riverview Manufacturing Facility**

(ERA 17 – Fuel Burning; ERA 22(c) – Screening etc. materials, ERA 61 – Clay or ceramic products manufacture – Licence No. SR 1449)

Although not located on a mining lease, the facility is an essential component of the mining activities viz: the mining and manufacturing activities are operationally inter-related and inter-dependent. All of the clay/shale from Austral's mining leases is utilised in Austral owned and operated manufacturing facilities.

➤ **Extractive Industry Activities**

(proposed ERA 20(b) – Extracting rock and other material, ERA 22(b) – Screening etc. materials)

The proposed activities will take place on ML 50035. The extractive activities will aid the carrying out of the mining activity. The mining of clay/shale on ML No. 50035 is hampered by the presence of hard siliceous bands or interbeds. The presence of the siliceous rock can preclude the economic extraction of clay/shale mineral in particular lease areas and/or result in the generation of waste materials unsuited for clay product manufacture. Extracted siliceous rock waste is currently spoiled – an undesirable environmental outcome and unnecessary cost. If the siliceous rock is not extracted, quantities of clay/shale mineral also remain un-extracted – an undesirable outcome for the effective and efficient use of the State's mineral resources.

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As noted previously, Austral maintains that acceptance of a single application for an environmental authority for all its activities and subsequent issue of an integrated authority is a desirable and appropriate outcome for efficient and effective environmental management of its operations.

A prompt determination from the EPA is requested and we would be pleased to attend a meeting to clarify any issues and make personal representations. We look forward to your early advice.

Yours faithfully
Kershaw & Co

73(2)Irrelevant


D R KERSHAW

73(2)Irrelevant

Coordinated Assessment Committee (Mining)

24 October 2001

Floor 10 small conference room: 9.00 - 10.00

Participants:

Ian Yarroll

Ron Anderson

Ian Wilson

Karen Dennis

Gary Kane

A/RSD, Southern Region

TO MATT BUCHANAN

Agenda:

1. Minutes of previous meeting/s
2. Applications for consideration
 - Nil
3. Pre-lodgements
 - Austral Bricks - proposed application for integrated environmental authority
4. Other Business
 - Endangered Regional Ecosystems policy development (Karen Dennis)
5. Next meeting



16 October 2001
REF: 562_078

**ENVIRONMENT PROTECTION
AGENCY**

19 OCT 2001

Environmental Protection Agency
160 Ann Street
BRISBANE QLD 4000

Attention: Dr Ian Wilson

KERSHAW & CO.

Incorporated as
Groundwork Environmental Management Services Pty Ltd ACN 079 084 245

land, soil, rock, mineral, landscape,
construction materials, water, air.

Resources - assessment and management,
Environment - assessment, planning,
monitoring, and management.
Land Use - approvals, permits, and licences.

9 McInroy Street,
TARINGA, QLD,
4068 AUSTRALIA

Email: Kershaw.Co@uq.net.au
Web: www.groundwork.com.au

☎ (07) 3871 0411

Fax: (07) 3871 0021



Dear Sir,

**DETERMINATION FOR ACCEPTANCE OF AN
APPLICATION FOR AN INTEGRATED AUTHORITY
THE AUSTRAL BRICK CO. PTY LTD**

On behalf of The Austral Brick Co. Pty Ltd (Austral), we request a determination from the Environmental Protection Agency (EPA) regarding acceptance of a single application for an environmental authority from Austral for different activities carried out by the company at various locations in South East Queensland.

The activities, locations and circumstances are summarised as follows:

ACTIVITIES AND LOCATIONS

Mining Activities

Clay, shale and associated mineral is mined by Austral from nine (9) mining leases in the Brisbane, Ipswich and Redland Bay local authority areas. The clay/shale is used by Austral for the manufacture of clay bricks and pavers and other ceramic products at two (2) manufacturing facilities owned and operated by Austral at Rochedale and Riverview.

Pertinent information regarding the mining leases held by Austral is summarised in **TABLE 1 – MINING TENURE SUMMARY**

TABLE 1 – MINING TENURE SUMMARY

ML No.	Environmental Authority No.	Current Project No.	Expiry	Lease Area (Ha)	Surface Area (Ha)	Background Tenure	Location
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1152	T1275	PJ50036	31/12/2019	34.37	34.37	Lots 23 and 24 Portion 371, RP30624 Parish of Tingalpa	Ford Road, Burbank

ML No.	Environmental Authority No.	Current Project No.	Expiry	Lease Area (Ha)	Surface Area (Ha)	Background Tenure	Location
1156	T1277	PJ50036	28/2/2021	53.51	49.37	Part Lot 2 RP844169 Part Lot 43 RP207847 Part Lot 45 RP207847 Lot 1 RP844169 Parish of Tingalpa	Gardner Road, Rochedale
1165	T1285	PJ50036	30/11/2024	9.11	7.89	Part Lot 2 RP844169 Part Lot 43 RP207847 Part Lot 45 RP207847 Lot 42 RP207846 Access Lot 43 RP207847 Access Parish of Tingalpa	Gardner Road, Rochedale
1167	T1286	PJ50134	30/12/2005	15.43	15.43	Lot 2 RP70512 Lot 10 RP71787 Lots 4, 5, 6, 7 RP56555 Parish of Oxley	Douglas Street, Oxley
4578	T2241	PJ50128	30/4/2006	74.33	42.88	Lot 42 RP816107 Lot 6 RP24389 Lot 3 RP013537 Lot 2 RP13537 Lot 1 RP13537 Lot 17 S.1518.31 Lot 18 S.1518.31 Lot 19 S.1518.31 Lot 12 S.1518.31 Lot 1 RP101603	Patrick Street, Swanbank
50035	T3492	PJ50036	31/10/2017	23.01	23.01	Lot 1 RP854704 Parish of Redland	German Church Road, Redland Bay
50115	T3483	PJ50150	1/5/2026	106.9	106.9	Lot 1 RP180876 Lot 251 S3185 Lot 2 RP147482 Lot 4 RP22539 Parish of Goodna	Whitwood Street, New Chum
50165	T3582	PJ50036	17/04/2020	6.92	6.92	Part Lot 47 RP207848 Part Lot 48 RP207848 Part Lot 51 RP207848 Parish of Tingalpa	Gardner Road, Rochedale

Manufacturing Activities

Austral operates two (2) dependant manufacturing facilities which utilise the clay/shale mineral mined from the leases identified in TABLE 1 for the manufacture of clay bricks and pavers and other ceramic products.

Pertinent information regarding the facilities is summarised in TABLE 2 – MANUFACTURING FACILITIES SUMMARY.

TABLE 2 – MANUFACTURING FACILITIES SUMMARY

Name	Environmental Authority No.	Mining Tenure No.	Real Property Description	Activities (ERA Nos.)	Location
Rochedale Plant	SR363	ML no. 1151	Lot 2 RP844169 Parish of Tingalpa	17 61 75(a)(vi)	Gardner Road, Rochedale
Riverview Plant	SR1449	NA	Lot 1 RP166658 Parish of Goodna	17 22(c) 61	Riverview Road, Riverview

Extractive Industry Activities

The land the subject of Austral held ML No. 50035 at Redland Bay also has development approval for extractive industry (quarrying) (Consent Order by the Local Government Court) for the purpose of extraction of materials, processing and stockpiling. The land was previously quarried and the old workings are adjacent to the current area being mined. However, to date, Austral has not conducted quarrying related activities (ERAs 20 and 22) on the land and is currently not licensed by the EPA to do so. However, as an aid to carrying out mining activities (utilisation of mining waste for quarry products), Austral wishes to include ERAs 20 and 22 under the proposed integrated authority.

CIRCUMSTANCES SUPPORTING ISSUE OF AN INTEGRATED AUTHORITY

The EPA has issued an Operational Policy entitled "*Circumstance for issuing an integrated authority*" which nominates certain criteria regarding acceptance of a single application for an integrated authority.

Austral maintains that it meets the criteria and issue of an integrated authority for all its mining, manufacturing and related activities is a desirable and appropriate outcome for efficient and effective environmental management of those activities.

The criteria nominated in the Operational Policy together with supporting statements follows:

"the environmentally relevant activities that are the subject of the application ("the activities") carried out at all of the sites must come under the day-to-day management of a single responsible person, for example, the applicant company's operational manager or site manager;"

Comment:

All Austral's environmentally relevant activities come under the day to day management of a single responsible person namely Mr Jim Brennan, Operations Manager. Mr Brennan's responsibilities include the environmental management of all Austral's operations.

"all the activities will be carried out by the applicant under an IEMS¹ and a submission for the IEMS accompanies the application;"

¹ refer to Environmental Protection Agency Operational Policy - Licensing - Circumstances for issuing an integrated authority

Comment:

All necessary documentation as directed by the EPA will be provided by Austral and accompany the application.

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"all the particular application requirements prescribed for each of the type of environmental authority that will comprise the integrated environmental authority must be complied with²;"

² refer to Environmental Protection Agency Operational Policy – Licensing – Circumstances for issuing an integrated authority

Comment:

Austral will comply with this requirement.

"all the activities must be operationally inter-related to one another in some way³;"

³ refer to Environmental Protection Agency Operational Policy – Licensing – Circumstances for issuing an integrated authority

Comment:

Austral's activities are part of a single principal undertaking namely, mining of clay/shale, utilisation of the mined clay/shale for clay brick and paver manufacture and management, minimisation and utilisation of waste/by products of mining and manufacturing to the extent possible. All these activities are inter-related.

"in the judgment of the delegate of the administering authority, the proposed integrated management will lead to lower risk of environmental harm being caused as a result of the activities;"

Comment:

The proposed integrated management of Austral's activities will lead to efficiencies in administrative management which will directly benefit environmental management. Cost savings can be directed towards environmental initiatives and environmental improvement programs. Integration of mining and proposed quarry activities on ML No. 50035 will maximise extraction efficiencies, minimise waste rock disposal and result in a nett beneficial environmental outcome. Inclusion of the Riverview manufacturing facility will not detract from environmental performance. This modern facility has an excellent record of environmental compliance significantly better than that required by current licence conditions.

In summary, proposed integrated management will not increase the risk of environmental harm but will, over time, promote efficiencies and reduce operational, administrative and statutory costs. This in turn will provide additional funds for environmental programs with the potential to lead to a lower risk of environmental harm.

"if the activities take place contemporaneously at more than one place, then:

- (a) no more than one of the places can host activities that have an inherently significant risk of environmental harm⁴; and***
- (b) the activities must not be separated by large distances that mitigate against integrated day-to-day management, typically activities more than 100 kilometres apart (except for itinerant activities);"***

⁴ refer to Environmental Protection Agency Operational Policy – Licensing – Circumstances for issuing an integrated authority

Comment:

- (a) The nature of Austral's mining operations is such that, with one or two exceptions, mining activities on individual leases take place on an intermittent "as needed" basis. The proposed extractive industry activities on ML No. 50035 will be also generally carried out on an intermittent "project" basis. Manufacturing activities are conducted continuously.

It would appear that Austral's mining and proposed extractive industry activities will not result in an 'inherently significant risk of environmental harm' as defined in EPA's Operational Policy.

Austral's manufacturing facilities release contaminants to the atmosphere via stacks. However, the modern facility at Riverview has a demonstrated history of emission compliance significantly better than that required by Licence conditions and would unlikely be considered an activity with an inherently significant risk of environmental harm.

As a consequence, it is likely that of all of Austral's activities at different places, only the Rochedale manufacturing facility could potentially be considered as having an inherently significant risk of environmental harm.

- (b) All Austral's activities are less than 100 kilometres apart. The maximum road distance between the two most geographically separated activities operated by Austral is approximately 65 to 70 kilometres permitting effective integrated day to day management.

"if the activities involve several mining activities under chapter 5, the mining activities must be applied for as a mining project (see EP Act section 155);"

Comment:

All Austral's mining activities are included as a mining project.

"if the activities involve mining activities under chapter 5 and other environmentally relevant activities under chapter 4, the activities under chapter 4 must be essential components of, or aid in the carrying out of the mining activity, or result from an additional use of a facility or structure that is part of the mining activity;"

Comment:

Austral's activities involve mining activities under Chapter 5 and other environmentally relevant activities under Chapter 4, namely:

➤ **Rochedale Manufacturing Facility**

(ERA 17 – Fuel burning, ERA 61 – Clay or ceramic products manufacture, ERA 75(a)(vi) – Waste disposal – Licence No. SR 363)

The facility is located on ML No. 1151. The mining and manufacturing activities are operationally inter-related and inter-dependant. All of the clay/shale mined from Austral's mining leases is utilised in Austral owned and operated manufacturing facilities. The activities are essential

components of each other. The waste disposal activity is licensed specifically for disposal of particular manufacturing waste only.

➤ **Riverview Manufacturing Facility**

(ERA 17 – Fuel Burning, ERA 22(c) – Screening etc. materials, ERA 61 – Clay or ceramic products manufacture – Licence No. SR 1449)

Although not located on a mining lease, the facility is an essential component of the mining activities viz: the mining and manufacturing activities are operationally inter-related and inter-dependent. All of the clay/shale from Austral's mining leases is utilised in Austral owned and operated manufacturing facilities.

➤ **Extractive Industry Activities**

(proposed ERA 20(b) – Extracting rock and other material, ERA 22(b) – Screening etc. materials)

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16 October 2001
REF: 562_078

**ENVIRONMENT PROTECTION
AGENCY**

19 OCT 2001

Environmental Protection Agency
160 Ann Street
BRISBANE QLD 4000

Attention: Dr Ian Wilson

KERSHAW & CO.

Incorporated as
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land, soil, rock, mineral, landscape,
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Comment:

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Comment:

Austral's activities involve mining activities under Chapter 5 and other environmentally relevant activities under Chapter 4, namely:

➤ **Rochedale Manufacturing Facility**

(ERA 17 – Fuel burning, ERA 61 – Clay or ceramic products manufacture, ERA 75(a)(vi) – Waste disposal – Licence No. SR 363)

The facility is located on ML No. 1151. The mining and manufacturing activities are operationally inter-related and inter-dependant. All of the clay/shale mined from Austral's mining leases is utilised in Austral owned and operated manufacturing facilities. The activities are essential

components of each other. The waste disposal activity is licensed specifically for disposal of particular manufacturing waste only.

➤ **Riverview Manufacturing Facility**

(ERA 17 – Fuel Burning, ERA 22(c) – Screening etc. materials, ERA 61 – Clay or ceramic products manufacture – Licence No. SR 1449)

Although not located on a mining lease, the facility is an essential component of the mining activities viz: the mining and manufacturing activities are operationally inter-related and inter-dependent. All of the clay/shale from Austral's mining leases is utilised in Austral owned and operated manufacturing facilities.

➤ **Extractive Industry Activities**

(proposed ERA 20(b) – Extracting rock and other material, ERA 22(b) – Screening etc. materials)

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Yours faithfully
Kershaw & Co

73(2)Irrelevant


D R KERSHAW

73(2)Irrelevant

R S A Cover Sheet

Type of Approval: SECTION 311-

☒ Environmental Protection Act
 ☐ Integrated Planning Act
 ☐ Environmental Protection Regulations
☐ Noise EPP
 ☐ Air EPP
 ☐ Water EPP

Name: THE AVONAL BRICK COMPANY PTY LTD

ITE address: GERMAN CHURCH ROAD REDLAND BAY
 105 GARDNER ROAD ROCHDALE
 103 RIVERVIEW ROAD RIVERVIEW

Contact Officer: J PRITCHARD

Licence No.: SR2484

FILE NUMBER:

STH3748

☒ Approved☐ Deferred☐ Not Approved

Decision: Approved as submitted

73(2) Irrelevant

Manager's Signature:

Approved:

17/4/03

Date Posted:

22-4-03

Registered Post No.

1680 9730

Date Faxed:

OFFICE USE ONLY

LICENCE ISSUE/REISSUE	
☒ Register updated ☒ 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 FILES
RSA NOT REQUIRING LICENCE ISSUE/REISSUE	
☐ Letter sent to applicant ☐ Register updated (date of decision, letter to applicant, and final tick)	IF ALL TICKED..... RETURN FINAL COPIES TO DISTRICT FILES

Assessment Report: (3-AR)
Integrated Authority

EA App No: SR2484

Due Date: 17 April 2003

File No: STH 3748

Type of Application: s311 Application for Integrated Authority

Type of Decision

- s312 and s314 – grant integrated authority
- s84– grant personal licence (with DA)
- s257– grant amendment of environmental authority (mining activities)
- s119 – grant amendment of licence (without DA)

Applicant Details:

Name: THE AUSTRAL BRICK CO. PTY LTD

Trading as: The Austral Brick Co. Pty Ltd

1. DESCRIPTION OF OPERATION

1.1. Background

Austral have applied for an integrated authority to incorporate 10 granted mining leases operating as four (4) mining projects, environmental relevant activities undertaken at two brick and paver manufacturing facilities (SR363 and SR1449) and two new environmentally relevant activities 20(c) and 22 (c).

The integrated authority consists of 3 separate components outlined in Table 1 below. These main components are:

1. Licence (with development approval) (Section 86)
2. Licences (without development approval) (Section 93)
3. Environmental authority (mining lease) (Section 258)

The development approval related to the personal licence (Licence with development approval - s86) is a separate licence (SR0376DA) and is being processed simultaneous to the Integrated Authority SR2484. Assessment of the personal licence required consideration of the application for the development approval. This is discussed in section 2.2.3.

The ten mining sites are currently authorised under transitional authorities that will need to be cancelled on approval of the amended environmental authorities incorporated into SR2484.

1.2 Austral's Operations

Clay, shale and associated mineral is mined (or proposed to be mined) by Austral from leases in Ipswich, Brisbane and Redland Bay local authority areas. The clay/shale is used by Austral for the

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manufacture of clay bricks and pavers at two manufacturing facilities owned and operated by Austral at Rochedale and Riverview.

Austral proposes to conduct extractive industry activities on the site to complement its mining activities. This will maximise extraction efficiencies and resource utilisation, minimise waste rock disposal and benefit environmental outcomes.

Table 1 Description of activities and location of activities

Part 1 Licence (with development approval) (Section 86)

ERA No.	ERA name	Lot	Plan	Location
20(c)	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 100,000t or more per year.	Part of Lot 1	RP854704	Parish of Redland German Church Road REDLAND BAY
22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining authority) or by dredging using plant or equipment having a design capacity of 100,000 tonnes or more per year.	Part of Lot 1	RP854704	Parish of Redland German Church Road REDLAND BAY

Part 2. Licences (without development approval) (Section 93)

ERA No.	ERA name	Lot	Plan	Location
17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
75(a)(vi)	Waste disposal - operating a facility for disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of 50 000 t or more, but less than 75 000 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW
22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining authority) or by dredging using plant or equipment having a design capacity of 100,000 tonnes or more per year.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW
61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes,	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW

	pottery goods and refractories, in works having a design production capacity of more than 200 t per year.		
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Part 3. Environmental authority (mining lease) (Section 258)

ERA No.	ERA name	Mining Lease Number	Location
	Section 18(a) of the <i>Environmental Protection Act 1994</i> : Mining Activities	1167	Douglas Street OXLEY
		1151	Gardner Road ROCHEDALE
		1152	Ford Road BURBANK
	Schedule 6 of the <i>Environmental Protection Regulation 1998</i> . Item 11B mining activities, other than a standard mining activity, carried out using equipment and plant having a mineral ore throughput of more than 100,000t during a year but less than 500,000t a year.	1156	Gardner Road ROCHEDALE
		1165	Gardner Road ROCHEDALE
		50165	Gardner Road ROCHEDALE
		50189	Gardner Road ROCHEDALE
		50035	German Church Road REDLAND BAY
		4578	Patrick Street SWANBANK
		50115	Whitwood Road NEW CHUM

1.3 Significant Issues

Ford Road site

- Since granting of ML1152 in 1979 the site has become part of the Koala Coast designation under the State Planning Policy1/97 (Conservation of koalas in the Koala Coast) and a Vegetation Protection Order. Since commencement of mining has been proposed, conservation of koala habitat at this site has been the subject of media attention and several ministerial enquiries (circa 2001).

The EPA sought legal advice on the State Planning Policy's (SPP) and the VPO's current applicability to the site. The advice given (26 Sept 2001) was that the VPO did not override the grant of the mining lease. This is also the case for the SPP unless the conservation of koalas and their habitat is taken to be an environmental value. Additionally, the environmental authority for the mining lease could be amended for the requirement of a new EMOS to address current environmental values.

73(2)Irrelevant

The EPA responded to this by requiring Austral to forward a report outlining their intention to minimise the impact of koalas and their habitat for the Ford Road site. This was done (July 2002) and both the EPA and the QPWS reviewed the report. It was accepted conditional to amendments being included as part of an updated EMOS. This updated EMOS was submitted as part of the SR2484, which has been considered in authority assessment.

Rochedale site

- Sedimentation of Bulimba Creek from Austral's Rochedale site is currently being investigated by officers of the Mining and Extractive unit. The SR2484 includes conditions which provide for water monitoring at the suspected site of discharge and the development of a stormwater management plan for the Rochedale site.
- Dust complaints have been received from nearby residents of the Rochedale site (January 2003). An inspection of the site revealed that dust was emanating from stockpiles and haulage roads. SR2484 includes conditions, which require mitigation, and the regulation of dust from stockpiles, raw materials and trafficable areas.
- A section of the Rochedale site covered by ML50819 was the subject of a Land and Resources Tribunal judgement because the area is located within the balance area of the Koala coast. The result was that there were no objections against the mining lease. However Austral had to provide a copy of BCC's memo and Groundwork's Statutory

Declaration which addressed minimising environmental impact of the area. These documents were forwarded with the Integrated Authority application and were considered with the assessment of the authority.

German Church Rd site

Activities on this site include mining and ERAs 20 and 22 and therefore, activities on this site will be authorised under either an Integrated Authority or a Development Approval. In processing the applications for both of these authorities, it was ensured that conditions relevant to both were consistent.

1.4 Other Issues

Air

A principal source of pollution from Austral's activities is dust, and gaseous and particulate point source emission from the brick manufacturing sites.

SR2484 does not allow the release of dust and air emissions from brick manufacture to be beyond a set limit. Requirements for monitoring are also included.

Water

The primary potential contaminant from Austral's activities is sediment.

SR2484 does not allow for the release of sediment beyond a set limit and requires for relevant sites to have a stormwater management plan.

Noise

Noise associated with crushing, screening and grinding at Austral sites needs to be managed. SR2484 sets noise limits to minimise the impact of noise.

Land Rehabilitation

Open cut mining and extraction disturbs the land surface, drainage patterns and ecosystems. SR2484 specifies rehabilitation outcomes as industrial, wetland or native ecosystem for different areas within each site.

2. ASSESSMENT CONSIDERATIONS

Outlined below are the relevant sections of the *Environmental Protection Act 1994* which were considered in the assessment of the application for SR2484 and the component authorities within.

2.1. Integrated Authority s311

2.1.1. s312 and s314 requirements

312. (1) A person may, by a single application, apply for an integrated authority.

(2) However –

- (a) the application must be accompanied by a submission for an integrated environmental management system for the activities; and
- (b) any requirements under chapter 4 and 5 applying to the application must be complied with.

S314. An integrated authority must state the following –

- (a) each environmentally relevant activity for which the authority is given;
- (b) each type of environmental authority that forms the integrated authority;
- (c) each environmental relevant activity for which each stated type is given;
- (d) the condition applying to each stated type.

The application was accompanied by an integrated environmental management system submission.

The application complies with all relevant requirements under chapter 4 (Development approvals and environmental authorities other than for mining activities) and chapter 5 (Environmental authorities for mining activities). The relevant sections in chapter 4 are s82 (Obtaining licence with development approval - Requirements for application), s89 (Obtaining licence without development approval - Requirements for application) and s117 (Amending environmental authorities by application -Requirements for amendment application). The relevant section in chapter 5 is s240 (Amending environmental authorities by application -Requirements for amendment application).

The Integrated Authority (SR2484) complies with s314.

2.1.2. Additional support of the Integrated Authority application

The Coordinated Assessment Committee endorsed the acceptance of using an Integrated Authority for Austral's operations on 24 October 2001.

2.2. Licence (with development approval) s86– Personal Licence

2.2.1 Section 84 decision criteria

s84. In deciding whether to grant or refuse the application, the administering authority must consider the following-

- (a) additional information given in relation to the application;
- (b) any suitability report obtained for the application;
- (c) any IEMS submission for the activity.

In deciding whether to grant or refuse the application, the administering authority considered the s84 decision criteria.

2.2.2 Other assessment considerations

In addition to the s84 decision criteria, consideration was given to all relevant all s91 decision criteria which are given below.

s91. In deciding whether to grant or refuse the application, the administering authority –

- (a) must comply with any relevant EPP requirements; and
- (b) subject to paragraph (a) must consider the following –
 - I. the standard criteria;
 - II. additional information given in relation to the application;
 - III. any suitability report obtained for the application;
 - IV. the views expressed at a conference held in relation to the application.

Relevant considerations relating to s91 for the s86 Personal licence are outlined in the Assessment Report and EADA Report for SR0367DA.

2.3. Amendment of Environmental Authority (mining) s238

2.3.1 Assessment Level

The Coordinated Assessment Committee assessment level decision of 22 November 2002 was that the level of environmental harm caused by the amendments was unlikely to be significantly increased. This decision triggered the need to consider s257.

2.3.2 s257 Deciding application

257 (1) The administering authority must, within the period described under a regulation, decide either to grant or refuse the application.

- (2) In making the decision, the authority must –comply with any relevant EPP requirement; and subject to paragraph (a) – consider the standard criteria.

Section 257 has been complied with. Refer to section 2.5 below for specification on the consideration of EPPs and the standard criteria.

2.4. Amendment without Development Approval s119

2.4.1 s119 Decision criteria

119. (1) If an amendment application relates to a licence, the criteria mentioned in section 91 for deciding an environmental authority application apply.

Section 119 (1) has been considered. Refer to section 2.2.3 for the requirements of S91. Refer to section 2.5 below for specification on the consideration of EPPs and the standard criteria.

2.5. Other Assessment Consideration

2.5.1 Environmental Protection Policies

	ASSESSMENT CONSIDERATIONS	✓ if relevant
	EPP WATER: (if not applicable, proceed to item 6.2)	
	Is there release of waste waters? (if no, proceed to item s24).	✓
s11	Water quality objectives : Are water quality objectives defined?	✓
s15	Waste management evaluation procedure: Is the activity likely to affect a water?	☐
s16	Waste water recycling: Does the activity involve waste water recycling?	☐
s17	Waste water releases on land: Does the activity involve the release of wastewater to land?	☐
s18	Waste water releases to surface water: Is there a release (not stormwater) to surface waters?	☐
s19	Stormwater management: Is there a release of contaminated stormwater to waters?	✓
s20	Direct waste water release to ground waters: Is there a direct release to groundwater?	☐
s21	Incidental waste water release to ground waters: Is there an incidental release to groundwater?	☐
s22	Construction of artificial releases wetlands for waste treatment: Does the activity involve the construction of an artificial wetland for wastewater treatment in a natural wetland?	☐
s23	Use of natural biological controls in treatment of waste water: Are natural biological controls used in treatment of waste water	☐
s24	Acid sulfate soils: Does the activity involve the exposure or disturbance of acid sulfate soils or the lowering of a watertable associated with acid sulfate soils?	☐
s25	Waste reception facilities for ships: Does the activity involve a place for docking of ships?	☐
s26	Monitoring particular releases: Is there a release to land or waters?	✓
s27	Impact monitoring: Is there a release of wastewater to land or waters?	☐
	EPP NOISE: Does, or can, the activity adversely affect the environmental values (noise relevant activity)? If 'no', proceed to item 6.3.	
s13	Evaluation procedure: Is evaluated procedure followed?	✓
s14	Matters for consideration: Is consideration given to s14 matters?	✓
s15	Planning levels: Does the activity involve the use or operation of a beneficial asset?	☐
s17	Plan as a condition: Is a noise management plan necessary?	☐
	EPP AIR: Does, or can, the activity adversely affect the environmental values (relevant activity)? If 'no', proceed to item 6.4.	
s11	Evaluation procedure: Is evaluation procedure followed?	✓
s12	Matters for consideration: Is consideration given to section 12 matters?	✓
s13	Air pollutant dispersion modelling and monitoring of releases: Is it likely that the releases will cause environmental harm?	☐

2.5.2 Consideration of Standard criteria

- *The principles of ecologically sustainable development as set out in the National Strategy for Ecologically Sustainable Development.* This has been considered e.g. extraction activities to make use of otherwise unused resource at the mining lease of German Church Rd, waste management other commitments outlined in the IEMS, koala habitat strategy.
- *Any applicable Commonwealth, State or local government plans, standards, agreements or requirements.* This has been considered e.g. minimising impact in Koala Coast designated areas, setting emission levels and defining standards of sampling and monitoring for noise control and water and air quality, defining rehabilitation outcomes.
- *Any applicable environmental impact study, assessment or report* – This has been considered e.g. QPWS assessment of report submitted by Groundwork (July 2002), Crown law advice in relation to the VPO and the SPP at the Ford Road site.
- *The character, resilience and values of the receiving environment.* This has been considered as outlined in section 1.3 and in consideration that most activities incorporated are already being undertaken.
- *All submissions made by the applicant and interested parties* – This has been considered e.g. IEMS/EMOS. No public submissions or enquiries have been received for the application.
- *The best practice environmental management for the activity under the authority* – This has been considered e.g. Commitments of IEMS
- *The financial implications of the requirements of the authority, as they would relate to the type of activity carried on under the authority, program or order* – The Austral Brick Co Pty Ltd have stated committed to staff training, and monitoring and an auditing program.

3. RECOMMENDATIONS

1. Grant the application for Integrated Authority under section 311 of the *Environmental Protection Act 1994*.
2. Grant the application for the Licence (with development approval) and proceed with requirements of s86 subsection 2 of the *Environmental Protection Act 1994* given below.
s86. (2)
(a) issue the licence in the approved form;
(b) insert it in the appropriate register;
(c) give the applicant a copy of the licence.
3. Grant the application for amendment of Environmental Authority and/or proceed with the requirements of s244 (1) of the *Environmental Protection Act 1994* given below.

S244. (1) If the administering authority decides to grant the application, it must within 10 business days after the decision is made –

- (a) amend the authority to give affect to the amendment; and
- (b) record particulars of the amendment in the appropriate register; and
- (c) give the applicant a copy of the amended environmental authority.

- 4. Cancel the licences that authorise the environmental relevant activities undertaken at two brick and paver manufacturing facilities (SR363 and SR1449).
- 5. Cancel environmental authority for M7375 on approval of Integrated Authority SR2484 on the grounds that a replacement authority has been issued.

Assessing Officer: Janet Pritchard

Date: 17/4/03.

73(2)Irrelevant

4. REVIEW AND ENDORSEMENT

Reviewer: Matthew Buchana

Date: 17/4/03.

73(2)Irrelevant

5. DECISION

Delegate: Peter Smith

Date: 17/4/03

73(2)Irrelevant



Notice of decision to grant integrated authority

Chapters 4, 5 and 6 *Environmental Protection Act 1994*

This statutory notice is issued by the administering authority pursuant to chapters 4, 5 and 6 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquiries to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748

The Austral Brick Company
105 Gardener Road
ROCHEDALE QLD 4123

Attention: Mr J Braga,

Re: Application for an integrated authority by The Austral Brick Company Pty Ltd to carry out Environmentally Relevant Activity(ies) (ERA) under the *Environmental Protection Act 1994*.

Your application for an integrated authority, received by this office on 15 November 2002 has been granted.

A copy of the integrated authority No.SR2484 which includes the schedule of conditions, is attached.

This integrated authority takes effect from 24 April 2003.

You may apply to the administering authority for a review of this decision within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the *Environmental Protection Act 1994* is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

Signed

Date

Peter Smith
A/ Manager (Licencing)
Delegate of Administering Authority
Environmental Protection Act 1994

FILED IN M&E / Austral
Brick Int Auth /
Notice SR2484

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

521.

- (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) On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision-
 - (a) notice of the application (the "review notice");
 - (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, within 14 days after receiving the application-
 - (a) review the original decision;
 - (b) consider any submissions properly made by a recipient of the review notice; and
 - (c) 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 subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.

Stay of operation of original decisions

522.

- (1) If an application is made for review of an original decision, the applicant may immediately apply for a stay of the decision to-
 - (a) for an original decision mentioned in schedule 1, part 1 - the tribunal; or
 - (b) for an original decision mentioned in schedule 1, part 2 - the Court.
- (2) The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.

- (3) A stay may be given on conditions the tribunal or Court considers appropriate and has effect for the period stated by the tribunal or Court.
- (4) The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or Court allows the applicant to appeal against the review decision.

Who may appeal

531.

- (1) A dissatisfied person who is dissatisfied with a review decision, other than a review decision to which subdivision 1 applies, 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 521 does not apply may appeal against the decision to the Court.

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73(2)Irrelevant

The Austral
Brick Company

J Braga
105 Gardner Road
ROCHE DALE Q 4123

348 ML 5
RSA NO SR

348 ML 5

351 798

355 248

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356 374

73(2)Irrelevant

Date delivered

23/4/03



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73(2)Irrelevant

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Page 266 of 581

Date



Notice of decision to grant integrated authority

Chapters 4, 5 and 6 *Environmental Protection Act 1994*

This statutory notice is issued by the administering authority pursuant to chapters 4, 5 and 6 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquiries to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748/SR2484

The Austral Brick Company
105 Gardner Road
ROCHEDALE QLD 4123

Attention: Mr J Braga,

Re: Application for an integrated authority by The Austral Brick Company Pty Ltd to carry out Environmentally Relevant Activity(ies) (ERA) under the *Environmental Protection Act 1994*.

Your application for an integrated authority, received by this office on 15 November 2002 has been granted.

A copy of the integrated authority No.SR2484 which includes the schedule of conditions, is attached.

This integrated authority takes effect from 24 April 2003

You may apply to the administering authority for a review of this decision within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the *Environmental Protection Act 1994* is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

73(2)Irrelevant

Signed

Date

Peter Smith
Acting Manager (Licencing)
Delegate of Administering Authority
Environmental Protection Act 1994

17 APRIL 2003



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 - (ii) the longer period the authority in special circumstances allows not later than the review date; and
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- (3) On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision-
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 - (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, within 14 days after receiving the application-
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 - (b) consider any submissions properly made by a recipient of the review notice; and
 - (c) make a decision (the "review decision") to-
 - (i) confirm or revoke the original decision; or
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 - (b) a person in a less senior office than the person who made the original decision.
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- (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 subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.

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522.

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 - (b) for an original decision mentioned in schedule 1, part 2 - the Court.
- (2) The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.



- (3) A stay may be given on conditions the tribunal or Court considers appropriate and has effect for the period stated by the tribunal or Court.
- (4) The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or Court allows the applicant to appeal against the review decision.

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531.

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- (3) A dissatisfied person who is dissatisfied with an original decision to which section 521 does not apply may appeal against the decision to the Court.

Published on DES Disclosure Log
RTI Act 2009



Integrated Authority No. SR2484

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:**

The Austral Brick Company Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

**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 24 April.

This integrated authority takes effect from 24 April 2003.

73(2)Irrelevant

17 APRIL 2003
Date

Peter Smith
Acting Manager (Licensing)
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 (with development approval) (Section 86)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
Part 1 all schedules	20(c)	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 an authority, lease, licence or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 100,000 t or more a year.	Part of Lot 1	RP854704	Parish of Redland German Church Road REDLAND BAY
Part 1 all schedules	22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of 100,000 tonnes or more a year.	Part of Lot 1	RP854704	Parish of Redland German Church Road REDLAND BAY

Part 2: Licences (without development approval) (Section 93)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
ROCHEDALE PLANT					
Part 2 all schedules Part 4 all schedules	17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
Part 2 all schedules Part 4 all schedules	61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
Part 2 all schedules Part 4 all schedules	75(a)(vi)	Waste disposal - operating a facility for disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of 50 000 t or more, but less than 75 000 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE

RIVERVIEW PLANT					
Part 2 all schedules Part 4 all schedules	17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW
Part 2 all schedules Part 4 all schedules	22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of 100,000 t or more a year.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW
Part 2 all schedules Part 4 all schedules	61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW

Part 3: Environmental authority (mining lease) (Section 258)

Applicable Part & Schedule(s)	ERA No.	ERA name	Mining Lease Number	Location
Part 3 all schedules Part 4 all schedules		Section 18(a) of the <i>Environmental Protection Act 1994</i> : Mining Activities Schedule 6 of the <i>Environmental Protection Regulation 1998</i> , Item 11B mining activities, other than a standard mining activity, carried out using equipment and plant having a mineral ore throughput of more than 100,000t during a year but less than 500,000t a year.	1167	Douglas Street OXLEY
			1151	Gardner Road ROCHEDALE
			1152	Ford Road BURBANK
			1156	Gardner Road ROCHEDALE
			1165	Gardner Road ROCHEDALE
			50165	Gardner Road ROCHEDALE
			50189	Gardner Road ROCHEDALE
			50035	German Church Road REDLAND BAY
			4578	Patrick Street SWANBANK
			50115	Whitwood Road NEW CHUM

Part 4: Conditions common to Parts 2 and 3

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
ROCHEDALE PLANT, RIVERVIEW PLANT and ALL MINING LEASES					
Parts 2 and 3 - all schedules Part 4		All ERAs listed in Parts 2 and 3			All locations listed in Parts 2 and 3

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 integrated authority incorporates the following parts:



PART 1 - LICENCE(S) (WITH DEVELOPMENT APPROVAL) (Section 86)

Applicable Sites – German Church Road Extractive Operation only

This part and its conditions must be considered in conjunction with any conditions imposed on your development approval(s) granted under the Integrated Planning Act 1997 or its equivalent for the activities under this part.

Part 1 Schedule A - General conditions

- (1:A1-1) Provide a financial assurance in the amount and form and at a time required by the administering authority.

END OF CONDITIONS FOR SCHEDULE A

Part 1 Schedule I - Definitions

“Administering authority” means the Environmental Protection Agency or its successor.

END OF CONDITIONS FOR SCHEDULE I

Part 1 Schedule J - Site Plans

There are no conditions prescribed in this schedule.

END OF CONDITIONS FOR SCHEDULE J

END OF PART 1



PART 2 - LICENCE(S) (WITHOUT DEVELOPMENT APPROVAL) (Section 93)

Applicable Sites – Riverview and Rochedale Brick Manufacturing Plants

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. The conditions in this Part of this Integrated Environmental Authority are in addition to those contained in all of Part 4 of this Integrated Environmental Authority.

Part 2 Schedule A - General conditions

Refer to Part 4 Schedule A of this integrated authority.

END OF CONDITIONS FOR PART 2 SCHEDULE A

Part 2 Schedule B - Air

Nuisance

- (2:B1-2) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

The Release of Contaminants to the Atmosphere

- (2:B2-1) The release of contaminants to the atmosphere from a point source must only occur from those release points identified in Part 2 Schedule B - Table 1 and must be directed vertically upwards without any impedance or hindrance.
- (2:B2-2) Contaminants must be released to the atmosphere from a release point at a height and a flow rate not less than the corresponding height and velocity stated for that release point in Part 2 Schedule B - Table 1 and not more than the efflux temperature stated for that release point in Part 2 Schedule B - Table 1.
- (2:B2-3) Contaminants must not be released to the atmosphere from a release point at a mass emission rate/concentration, as measured at a monitoring point, in excess of that stated in Part 2 Schedule B - Table 1 and monitored not less frequently than Part 2 Schedule B Table 1.
- (2:B2-4) Monitoring provisions and monitoring points must be provided for all the release points listed in Part 2 Schedule B, Table 1. The monitoring provisions and monitoring points must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions".
- (2:B2-5) The holder of this environmental authority must conduct a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameters specified in Part 2 Schedule B, Table 1 and which complies with the following:
- (a) All determinations of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
 - (b) All determinations of the quality and quantity of contaminants released to the atmosphere must be made in accordance with methods prescribed in the Department of Environment Air Quality Sampling Manual, November 1997, or more recent editions or supplements to that document as such become available.



- (c) The following tests must be performed for each required determination specified in Part 2 Schedule B, Table 1:
- (i) gas velocity and volume flow rate;
 - (ii) temperature; and
 - (iii) water vapour concentration.
- (d) Where practicable, samples taken must be representative of the contaminants discharged when emissions are expected to be maximum,
- (e) During the sampling period the following additional information must be gathered:
- (i) production rate;
 - (ii) equipment operating;
 - (iii) product made;
 - (iv) date of sampling;
 - (v) start and end time of sampling;
 - (vi) fuel rate;
 - (vii) fluoride concentration in the mixture of clay used before and after fired (Rochedale only); and
 - (viii) proportion of each raw clay used (Rochedale only).
- (f) Oxides of nitrogen must be calculated as NO^2 at a 7 percent oxygen level and total particulates must be determined where gas volume is calculated to 12 percent CO^2 .



Part 2 Schedule B - Table 1 (Release of contaminants)

Release point number	Minimum release height (metres)	Minimum velocity (m/sec)	Minimum efflux temp (°C)	Contaminant	Release Limit	Sampling frequency
Riverview Plant A1 - Swindell Dressler Tunnel Kiln	25	8	n/a	Concentration total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Concentration nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
Rochedale Plant A1 - Swindell Dressler Tunnel Kiln	30	8.7	126	Total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.35	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually
Rochedale Plant A2 - Ceric Tunnel Kiln	15	9.5	124	Total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.88	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually

Riverview Plant

- (2:B3-1) Total Fluoride emissions from the release point numbered A1 at the Riverview Plant must not result in Ground Level Concentrations (GLC's) in excess of 3.7 ug/m³ for an averaging time of 12 hours and 0.5 ug/m³ for an averaging time of 90 days, beyond the boundaries of the licensed place.
- (2:B3-2) For the purposes of checking conformity with condition 2:B3-1, the results of the Fluoride monitoring as required in Part 2 Schedule B - Table 1 must be expressed as ugHF/m³ and modelled using an Appropriate Air Pollution Dispersion Modelling Program to determine the Ground Level Concentrations for the 12 hour and 90 day averaging time.
- (2:B3-3) The only fuel to be used in the Swindell Dressler Tunnel Kiln is natural gas.
- (2:B3-4) There must be no visible emission from release point number A1.

Rochedale Plant

- (2:B4-1) The only fuel to be used in the Swindell Dressler Tunnel Kiln (A1) and the Ceric Tunnel Kiln (A2) is natural gas.



- (2:B4-2) There must be no visible emission from release point numbers A1 or A2.
- (2:B4-3) The holder of this environmental authority must conduct a vegetation survey to detect chemical fumigation when there is non-compliance with any limit in Part 2 Schedule B – Table 1 and/or with the fluoride mass emission rate in Part 2 Schedule B – Table 1, or within three (3) years of the last vegetation survey submitted to the administering authority.
- (2:B4-4) The vegetation survey required by condition 2:B4-3 must be conducted at Boorabbin Picnic Ground, along Stackpole Street, F R Caterson Park, along Mt Petrie Road, Gardner Road and Prebble Street.
- (2:B4-5) A person or body possessing appropriate experience and qualifications must perform the vegetation survey required by condition 2:B4-3 of this environmental authority.
- (2:B4-6) The holder of this environmental authority must ensure the data collected by conditions 2:B2-5 and 2:B4-3 of this environmental authority is analysed and interpreted to assess the nature and extent of any environmental impact of the environmentally relevant activity. The data, analysis and assessment must be submitted to the administering authority within three (3) months of the completion of any vegetation survey required by condition 2:B4-3.

END OF CONDITIONS FOR PART 2 SCHEDULE B

Part 2 Schedule C - Water

Release to waters – Rochedale Plant only

- (2:C1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Part 2 Schedule C - Table 1 and comply with the contaminant limits defined in Part 2 Schedule C - Table 2.

Part 2 Schedule C - Table 1 (Water monitoring locations and frequency)

Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"

Part 2 Schedule C - Table 2 (Discharge contaminant limits)

Monitoring Point	Parameter	Minimum	Maximum
R3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*

* For the same monitoring event

Stormwater Management Plan – Rochedale Plant Only

- (2:C2-1) The holder of this environmental authority must have developed and implemented an effective and appropriate Stormwater Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from the contamination of stormwater at the licensed place.
- (2:C2-2) The Stormwater Management Plan must address at least the following matters:
- prevention of incident stormwater and stormwater runoff from contacting wastes or contaminants; and
 - diversion of upstream runoff away from areas containing wastes or contaminants; and
 - minimisation of the size of contaminated areas; and
 - cleaning of contaminated areas without water; and
 - installation and maintenance of pollution control equipment such as oil separators, silt and rubbish traps, and stormwater diversion systems; and
 - installation and maintenance of sediment control measures for stormwater such as by means of coagulation, sedimentation, dissolved air flotation, settling basins or other suitable means; and
 - paving and roofing of contaminated areas; and
 - revegetation of exposed or disturbed areas; and
 - diversion of upstream runoff from exposed or disturbed areas and stockpiles; and
 - sampling and monitoring of stormwater discharges from the licensed place to waters for parameters including the following:
 - suspended solids, and
 - pH.

END OF CONDITIONS FOR PART 2 SCHEDULE C

Part 2 Schedule D - Noise

- (2:D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (2:D1-2) All noise from activities must not exceed the levels specified in Part 2 Schedule D - Table 1 at any noise affected premises.

Part 2 Schedule D Table 1: Noise Limits

Noise level dB(A) measured as	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm - 10pm	10pm - 7am	9am - 6pm	6pm - 10pm	10pm - 9am
Noise measured at a 'Noise sensitive place'						
L _{A10} , adj, 10 mins	b/g+5	b/g+5	b/g+3	b/g+5	b/g+5	b/g+0
L _{A1} , adj, 10 mins	b/g+10	b/g+10	b/g+5	b/g+10	b/g+10	b/g+5
Noise measured at a 'Commercial place'						
L _{A10} , adj, 10 mins	b/g+10	b/g+10	b/g+8	b/g+10	b/g+10	b/g+5
L _{A1} , adj, 10 mins	b/g+15	b/g+15	b/g+10	b/g+15	b/g+15	b/g+10

Note: The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Manuals. Noise monitoring

(2:D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. 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; and
- location, date and time of recording.

(2:D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR PART 2 SCHEDULE D

Part 2 Schedule E – Waste

The conditions of this Part 2 Schedule E Waste Schedule apply to the Rochedale Plant only, in addition to those conditions in Part 4 Schedule E.

Waste Management Plan (WMP)

(2:E1-1) The holder of this environmental authority, must develop and implement an effective and appropriate Waste Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from all wastes produced at the licensed place.

(2:E1-2) The Waste Management Plan must address at least the following matters:

- (a) the quantity and nature of each waste produced;
- (b) the current method of disposal;
- (c) proposed methods of pre-treatment or disposal;
- (d) expected reduction in quantity of waste produced through waste minimisation and cleaner production;
- (e) investigation and evaluation of alternative treatment options;
- (f) areas to be set aside for the segregation and storage of recyclable solid wastes;
- (g) where a no-cost recycling service is available, reasonable and practicable steps must be taken to ensure recyclable waste is not deposited in the general waste stream. Such steps may include, but are not limited to provision of receptacles; suitable signage; and promotion of awareness among staff of the recycling service.
- (h) provisions for carrying out and submitting to the administering authority a waste audit within 12 months from the date of issue of this environmental authority and thereafter every five (5) years.



- (2:E1-3) A copy of the Waste Management Plan and subsequent amendments must be kept at the licensed place and must be made available to any authorised person or the administering authority on request.
- (2:E1-4) The holder of this environmental authority must not implement a Waste Management Plan or amend a Waste Management Plan where such implementation or amendment would result in a contravention of any condition of this environmental authority.

On Site Waste Disposal

- (2:E2-1) The defined on site waste disposal area is described as "Waste Disposal Area" delineated on Figure 1 of Appendix 1.
- (2:E2-2) Only the following general waste, which is generated by the brickworks operation, is to be disposed of at the Waste Disposal Area:
- (i) broken and reject bricks, pavers and other ceramic products;
 - (ii) timber;
 - (iii) plastic, paper and cardboard; and
 - (iv) concrete and concrete products with or without reinforcing steel.
- (2:E2-3) Where general waste associated with the manufacture of bricks or pavers on the licensed place is disposed of on the premises (other than as permitted by another schedule of this environmental authority), the holder of this environmental authority must monitor and record:
- (a) the date, quantity and type of waste disposed; and
 - (b) the location of disposal of the waste; and
 - (c) the method of disposal of the waste.
- (2:E2-4) Appropriate signs must be prominently displayed at the waste disposal area or appropriate written instructions must be given to all persons responsible for depositing waste:
- The signs or written instructions must at least indicate:
- (i) the types of waste that may be disposed;
 - (ii) the types of waste which must not be disposed;
 - (iii) the location where the wastes must be deposited within the general waste disposal area, and
 - (iv) that open burning of waste is prohibited.
- (2:E2-5) Wastes must not be deposited beyond the boundaries of the waste disposal area.
- (2:E2-6) Regulated waste must not be stored or disposed of or deposited in the waste disposal area.

Security

- (2:E3-1) The holder of this environmental authority must prevent any unauthorised disposal of waste on or in the licensed place.
- (2:E3-2) The holder of this environmental authority must ensure that all access gates are locked when the licensed place is unattended.

END OF CONDITIONS FOR PART 2 SCHEDULE E



Part 2 Schedule F - Land

Release of Contaminants to Land

- (2:F1-1) There must be no release nor likelihood of release of any contaminants to land that may cause environmental harm or contribute to contamination of such land.

END OF CONDITIONS FOR PART 2 SCHEDULE F

Part 2 Schedule G - Community

Refer to Part 2 Schedule G of this authority.

END OF CONDITIONS FOR PART 2 SCHEDULE G

END OF PART 2

Published on DES Disclosure Log
RTI Act 2009



PART 3 - ENVIRONMENTAL AUTHORITY (MINING LEASE) (Section 258)

This part is for the carrying out of an environmental authority (mining activities) for a mining lease under chapter 5, parts 1, 2 and 6 of the Environmental Protection Act 1994. The conditions in this Part of this Integrated Environmental Authority are in addition to those contained in all of Part 4 of this Integrated Environmental Authority.

Part 3 Schedule A - General

Financial Assurance

- (3:A1-1) Provide a financial assurance in the amount and form required by the administering authority prior to the commencement of activities proposed under this environmental authority.

NOTE: The calculation of financial assurance for condition (3:A1-1) must be in accordance with Guideline 17 and may include a performance discount. The amount is defined as the maximum total rehabilitation cost for complete rehabilitation of all disturbed areas, which may vary on an annual basis due to progressive rehabilitation. The amount required for the financial assurance must be the highest Total Rehabilitation Cost calculated for any year of the Plan of Operations and calculated using the formula: (Financial Assurance = Highest Total Annual Rehabilitation Cost x Percentage Required)

- (3:A1-2) The financial assurance is to remain in force until the administering authority is satisfied that no claim on the assurance is likely.

NOTE: Where progressive rehabilitation is completed and acceptable to the administering authority, progressive reductions to the amount of financial assurance will be applicable where rehabilitation has been completed in accordance with the acceptance criteria defined within this environmental authority.

END OF CONDITIONS FOR PART 3 SCHEDULE A

Part 3 Schedule B - Air

Refer to Part 4 Schedule B of this Integrated Authority.

END OF CONDITIONS FOR PART 3 SCHEDULE B

Part 3 Schedule C - Water

Release to waters

- (3:C1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Part 3 Schedule C - Table 1 (at the locations depicted in Appendix 1 Figures 1, 2, 3 and 4) and comply with the contaminant limits defined in Part 3 Schedule C - Table 2.

Part 3 Schedule C - Table 1 (Water monitoring locations and frequency)

*Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
Rosedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)				
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"
R4	Background for points R2 and R5	510500	6951200	When points R2 and/or R5 are sampled
R2	Discharge	510880	6951600	Each Pumped Release
R5	Discharge	511470	6952600	"Event Release" and each pumped release
Burbank Lease (ML1152)				
B1	Discharge	513890	6949050	"Event Release"
Redland Bay Lease (ML50035)				
RB1	Discharge	526590	6943600	"Event Release"
RB2	Discharge	526350	6943600	"Event Release"
RB3	Discharge	526160	6943250	"Event Release"
Oxley Lease (ML1167)				
O1	Discharge	497350	6951000	Each Pumped Release

* Refer to Appendix 1 Figures 1, 2, 3 and 4 for monitoring locations.



Part 3 Schedule C - Table 2 (Contaminant release limits)

Monitoring Point	Parameter	Minimum	Maximum
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)			
R2 and R5	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R4*
R3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*
Burbank Lease (ML1152)			
B1	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50
Redland Bay Lease (ML50035)			
RB1, RB2, RB3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50
Oxley Lease (ML1167)			
O1	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50

* for the same monitoring event

Part 3 Schedule D - Noise and vibration

Noise nuisance

- (3:D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (3:D1-2) All noise from activities must not exceed the levels specified in Part 3 Schedule D - Table 2 at any noise affected premises.
- (3:D1-3) No mining activities may be undertaken outside of the hours for the sites listed in Part 3 Schedule 3 Table 1, unless the activities are solely for pollution control.

Part 3 Schedule D - Table 1: Operating Hours

Tenure(s) – mining leases	Location	Hours
1151, 1156, 1165, 50165, 50189	Rochedale	Mon-Fri 6am – 6pm; Sat 6am-5pm
1152	Burbank	Mon-Fri 7am – 5pm
50035	Redland Bay	Mon-Fri 7am – 6pm; Sat 7am-4pm
1167	Oxley	Mon-Fri 7am – 5pm
4578	Swanbank	Mon-Sat daylight hours
50115	New Chum	Mon-Sat daylight hours

Part 3 Schedule D - Table 2 (Noise limits)

Noise level dB(A) measured as	Monday to Saturday	
	6am - 7am	7am - 6pm
	Noise measured at a 'Noise sensitive place'	
L _{A10} , adj, 10 mins	b/g+3	b/g+5
L _{A1} , adj, 10 mins	b/g+5	b/g+10
	Noise measured at a Commercial place'	
L _{A10} , adj, 10 mins	b/g+8	b/g+10
L _{A1} , adj, 10 mins	b/g+10	b/g+15

Noise monitoring

(3:D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. 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; and
- location, date and time of recording.

(3:D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR PART 3 SCHEDULE D

Part 3 Schedule E - Waste

Refer to Part 4 Schedule E of this integrated authority.

END OF CONDITIONS FOR PART 3 SCHEDULE E

Part 3 Schedule F - Land

Rehabilitation landform criteria

(3:F1-1) All areas significantly disturbed by mining activities must be rehabilitated in accordance with Part 3 Schedule F – Table 1.



Part 3 Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule)

Tenure ID	Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
ROCHEDALE LEASES			
ML1151	Infrastructure (brick manufacturing and ancillary facilities)	22.5	Industrial
	Mine void	7.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	4.0	Native Ecosystem
ML1156	Mine void	31.5	Industrial
	Sediment traps / water basins	2.0	Industrial or Wetland Type 1
	Amenity banks / buffers		Native Ecosystem
ML1165	Mine void	5.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	0.8	Native Ecosystem
ML50165	Mine void	3.7	Wetland Type 2
	Amenity banks / buffers	3.2	Native ecosystem
ML50189	Mine void	5.2	Wetland Type 2
	Amenity banks / buffers	1.6	Native Ecosystem
BURBANK LEASE			
ML1152	Mine void	24	Native Ecosystem
	Sediment traps / water basins	0.6	Wetland Type 1
	Roads	1	No rehabilitation required – retain
	Buffer	8.8	Native Ecosystem
REDLAND BAY LEASE			
ML50035	Mine void	17.2	To be determined
	Sediment traps / water basins	1	Wetland Type 1
	Roads	0.8	No rehabilitation required – retain
	Buffer	4	Native Ecosystem
OXLEY LEASE			
ML1167	Mine void	7.8	Industrial
	Sediment traps / water basins	0.5	Wetland Type 1
	Roads	0.5	No rehabilitation required – retain
	Buffer	6.6	No rehabilitation required – retain / Residential
NEW CHUM LEASE			
ML50115	Mine voids	31.0	Industrial
	Spoil stockpiles	13	Industrial
	Roads	3.0	No rehabilitation required – retain
	Water Storages	1.5	No rehabilitation required – retain

Part 3 Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule) - continued

Tenure ID	Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
SWANBANK LEASE			
ML4578	Mine voids	17.2	Industrial
	Stockpile areas	3.3	Industrial
	Spoil stockpiles	10	Industrial
	Roads / power line easements	3.3	No rehabilitation required - retain
	Water Storages	0.8	No rehabilitation required - retain

Rehabilitation Outcome – Industrial or Residential

- (3:F2-1) Subject to conditions 3:F2-2, 3:F2-3 and 3:F2-4, disturbed land nominated for industrial or residential rehabilitation outcome will be considered rehabilitated when the land is stabilised and does not, or will not have potential to cause environmental harm to the environmental values.
- (3:F2-2) Disturbed land and/or mine voids remaining at the end of mine life and nominated for the rehabilitation outcome of industrial, will only be considered suitable for surrender when a development approval and environmental authority (with development approval) application (or applicable local government and environmental approvals (or lawful use) relevant at the time) has been approved for the proposed activities.
- (3:F2-3) In the event of an unsuccessful development application (or other requirement at the time) for proposed industrial activities, an application must be made by the holder of this environmental authority to nominate an alternative rehabilitation outcome.
- (3:F2-4) To remove any doubt, the nomination of the final land use of industrial or residential in Part 3 Schedule F Table 1, does not negate any local or state government planning or approval requirements for the development of that land.

Rehabilitation Outcome – Native Ecosystem

- (3:F3-1) Areas that are to be rehabilitated to native ecosystem must comply with the following outcomes:
- achievement of a self sustaining native ecosystem with a species composition and distribution similar to the pre-mining species composition and distribution; and
 - the landform must be suitable to support the ecosystem in 3:F3-1 a), not impede fauna corridors and be stable and non-polluting.
- (3:F3-2) Complete an investigation into rehabilitation of disturbed areas and submit a report to the administering authority proposing acceptance criteria to meet the outcomes in 3:F3-1. A report on the investigation, which will propose acceptance criteria, must be submitted to the administering authority by 30 June 2005.

Rehabilitation Outcome – Wetland Type 1 (rehabilitated sediment dams)

- (3:F4-1) Areas that are to be rehabilitated to wetland type 1 outcome will be considered rehabilitated when the dams are revegetated with species appropriate to filter contaminants from the water, and water discharges from the dams do not exceed the total suspended solids value of the inflow to the pond.



Rehabilitation Outcome – Wetland Type 2 (water filled voids)

- (3:F5-1) Complete an investigation into rehabilitation of disturbed areas to wetland type 2 outcome and submit a report to the administering authority proposing acceptance criteria. A report on the investigation and proposals for acceptance criteria must address:
- a) water quality to be achieved in the water filled void;
 - b) water quality to be achieved for any discharges from the void; and
 - c) revegetation standards to be met for the fringes of the void.
- and the report must be submitted to the administering authority by 30 June 2005.

Buffer Zones

- (3:F6-1) There must be no mining activities conducted in the buffer zones or wildlife corridor areas identified in Appendix 1 Figures 1, 2, 3 and 4, other than for the construction or removal of amenity banks, environmental control works, and activities involved with access or provision of services to the lease areas.

Open Area and Progressive Rehabilitation

- (3:F7-1) The *open area* for the relevant mining lease must not exceed the area described in Part 3 Schedule F Table 2.

Part 3 Schedule F Table 2 – Open Area Limits

Tenure	Location	Open Area Limit (Ha)
ML 1152	Ford Road, Burbank	4

- (3:F7-2) Subject to condition 3:F7-1, progressive rehabilitation must commence within three years of areas become available within the operational land.

Infrastructure

- (3:F8-1) All infrastructure, constructed by or for the environmental authority holder during the mining activities including water storage structures, must be removed from the site prior to mining lease surrender, except where agreed in writing by the post mining land owner / holder.

NOTE: This is not applicable where the landowner / holder is also the environmental authority holder.

Rehabilitation Outcome – To be determined

- (3:F9-1) The final land use of mine voids for Redland Bay lease (MR 50035) is to be determined by a Planning Use Study which is to be consistent with any Planning Scheme and any rehabilitation outcome.
- (3: F9-2) The Planning Use Study report must be submitted to the administering authority by 30 June 2005.

END OF CONDITIONS FOR PART 3 SCHEDULE F

Part 3 Schedule G - Community

Refer to Part 4 Schedule G of this integrated authority

END OF CONDITIONS FOR PART 3 SCHEDULE F

END OF PART 3

PART 4 – CONDITIONS APPLICABLE TO BOTH PART 2 (LICENCES [WITHOUT DEVELOPMENT APPROVAL][Section 93]) AND PART 3 (ENVIRONMENTAL AUTHORITY [MINING LEASE] [Section 258])

Applicable Sites – Riverview and Rochedale Brick Manufacturing Plants and all mining leases.

This part contains conditions that are applicable to all locations and environmental authority types contained within Part 3 and Part 4 of this Integrated Authority.

Part 4 Schedule A - General conditions

Prevent and /or minimise likelihood of environmental harm

- (4:A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of Measures, Plant and Equipment

- (4:A2-1) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - maintain such measures, plant and equipment in a proper condition; and
 - operate such measures, plant and equipment in a proper manner.

Records

- (4:A3-1) Record, compile and keep all monitoring results required by Parts 2, 3 and 4 of this integrated authority and present this information to the administering authority when requested, in a specified format.

Storage and Handling of Flammable and Combustible Liquids

- (4:A4-1) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

Definitions

- (4:A5-1) Words and phrases used throughout this EA are defined in Part 4 Schedule H – Definitions. Where a definition for a term used in this EA is sought and the term is not defined within this EA, the definitions in the Environmental Protection Act 1994, its Regulations and Environmental Protection Policies must be used.



Integrated Environmental Management System (IEMS)

- (4:A6-1) Prior to the commencement of any environmentally relevant activity ('the activities') under this environmental authority, the holder of this environmental authority must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (4:A6-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
 - Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 - Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.
- (4:A6-3) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Part 4 Schedule B - Air

Dust nuisance

- (4:B1-1) Subject to Conditions (4:B1-2) and (4:B1-3) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.



- (4:B1-2) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.
- (4:B1-3) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (4:B1-1):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 a sensitive or commercial place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;or
 - Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

NOTE: You must propose which monitoring method is appropriate in accordance with condition (4:B1-3) (a) or (b) or both.

Dust Control

- (4:B2-1) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (4:B2-2) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dusts suppressants and wind breaks.
- (4:B2-3) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR PART 4 SCHEDULE B



Part 4 Schedule D - Noise and Vibration

Refer to Part 3 Schedule D of this integrated authority for mining activity conditions

Refer to Part 2 Schedule D of this integrated authority for non-mining conditions.

END OF CONDITIONS FOR PART 4 SCHEDULE D

Part 4 Schedule E – Waste

General

- (4:E1-1) The holder of this environmental authority must not:
- (i) burn waste at or on the licensed place; nor
 - (ii) allow waste to burn or be burnt at or on the licensed place; nor
 - (iii) remove waste from the licensed place and burn such waste elsewhere.

Off Site Movement

- (4:E2-1) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must 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).
- (4:E2-2) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Records

- (4:E3-1) Records must be maintained for a period of five (5) years for all wastes mentioned in this schedule.

Notification of Improper Disposal Of Regulated Waste

- (4:E4-1) If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or which is improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

END OF CONDITIONS FOR PART 4 SCHEDULE E

Part 4 Schedule F - Land

There are no conditions prescribed for this schedule.

END OF CONDITIONS FOR PART 4 SCHEDULE F



Part 4 Schedule G – Community

Complaint response

- (4:G1-1) All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed and actions taken. This information must be made available for inspection by the administering authority on request.

END OF CONDITIONS FOR PART 4 SCHEDULE G

Part 4 Schedule H – Definitions

“acceptance criteria” means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

“airblast overpressure” means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

“ambient (or total) noise” at a place, means the level of noise at the place from all sources (near and far), measured as the Leq for an appropriate time interval.

“competent person” means a person with the demonstrated skill and knowledge required to carry out the task to a standard necessary for the reliance upon collected data or protection of the environment.

“authority” means environmental authority (mining activities) under the *Environmental Protection Act 1994*.

“blasting” means the use of explosive materials to fracture-

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse.

“commercial place” means a place used as an office or for business or commercial purposes, other than a place within the boundaries of the operational land.

“dam” means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.

“environmental authority holder” means the holder of this environmental authority.

“event release” means when water is released and which must occur at least four times per year.



"flowable substance" means matter or mixture of materials which can be forced to or otherwise flow under any conditions possible in a situation. It includes water, other liquids or a mixture that includes water or any other liquid or suspended solids.

"hazardous waste" means any substance, whether liquid, solid or gaseous, derived by or resulting from, the processing of minerals that tends to destroy life or impair or endanger health.

"IEMS / Project EMOS" document titled "Environmental Management Overview Strategy (consolidating mining project numbers PJ50036, 50134, 50128 and 50150) incorporating Integrated Environmental Management System (mining, manufacturing and extractive industries). Prepared for The Austral Brick Company Pty Ltd. Prepared by Groundwork Environmental Management Services Pty Ltd. October 2002".

" $L_{A 10, \text{adj}, 10 \text{ mins}}$ " 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.

" $L_{A 1, \text{adj}, 10 \text{ mins}}$ " 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

" $L_{A, \text{max adj}, T}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"land capability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land suitability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land use" term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

"mandatory reporting level" means the volume below the spillway crest, equivalent to the lower of the AEP, 72 hour storm or the AEP wave allowance (AEP is the annual exceedence probability).

"mineral" means a substance which normally occurs naturally as part of the earth's crust or is dissolved or suspended in water within or upon the earth's crust and includes a substance which may be extracted from such a substance, and includes—

- (a) clay if mined for use for its ceramic properties, kaolin and bentonite;
- (b) foundry sand;
- (c) hydrocarbons and other substances or matter occurring in association with shale or coal and necessarily mined, extracted, produced or released by or in connection with mining for shale or coal or for the purpose of enhancing the safety of current or future mining operations for coal or the extraction or production of mineral oil therefrom;
- (d) limestone if mined for use for its chemical properties;
- (e) marble;
- (f) mineral oil or gas extracted or produced from shale or coal by in situ processes;
- (g) peat;
- (h) salt including brine;
- (i) shale from which mineral oil may be extracted or produced;
- (j) silica, including silica sand, if mined for use for its chemical properties;
- (k) rock mined in block or slab form for building or monumental purposes;

but does not include—



- (l) living matter;
- (m) petroleum within the meaning of the Petroleum Act 1923;
- (n) soil, sand, gravel or rock (other than rock mined in block or slab form for building or monumental purposes) to be used or to be supplied for use as such, whether intact or in broken form;
- (o) water.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"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.
- and includes the curtilage of such place.

"noxious" means harmful or injurious to health or physical well being, other than trivial harm.

"non-standard" means a mining operation that if in the opinion of the administering authority does not have a low risk of serious environmental harm and the activities can not comply with the criteria for standard mining activities prescribed in schedule 1A of the *Environmental Protection Regulation 1998*. The standard mining activity trigger criteria are as follows;

- the mining activities do not or will not cause more than 10 ha of land to be significantly disturbed at any one time;
- the mining activities do not or will not cause more than 5 ha of land to be significantly disturbed at any one time;
 - (a) in a riverine area;
 - (b) because of mine workings;
- the mining activities are not or will not be carried out in, or within 2 km of a category A *Environmentally Sensitive Area*;
- the mining activities are not or will not be carried out in, or within 1 km of a category B environmentally sensitive area;
- the mining activities do not include a level 1 environmentally relevant activity
- no more than 20 persons are carrying out or will, at any one time, carry out the mining activities;

"offensive" means causing reasonable offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive, other than trivial harm.

"open area" means those parts of the mining lease that are cleared in preparation for, or to conduct mining, but have not had *rehabilitation* commence. Open area excludes permanent roads, fixed plant and water quality control devices.

"peak particle velocity (ppv)" means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms⁻¹).

"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.

"progressive rehabilitation" means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

"reference site" (or analogue site) may reflect the original location, adjacent area or another area where rehabilitation success has been completed for a similar biodiversity. Details of the reference site may be as photographs, computer generated images and vegetation models etc.



“rehabilitation” the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

“representative” means a sample set which covers the variance in monitoring or other data either due to natural changes or operational phases of the mining activities.

“residual void” means an open pit resulting from the removal of ore and/or waste rock which will remain following the cessation of all mining activities and completion of rehabilitation processes.

“self sustaining” means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

“significant disturbance” – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant environmental authority; or
 - ii. if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

“sensitive place” means;

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- an educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or

- a public park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes which is not part of the mining activity and does not include employees accommodation or public roads.

"spillway" means passage or outlet from the dam through which surplus water flows.

"stable" means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

"trivial harm" means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5,000.

"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea) or any part thereof.

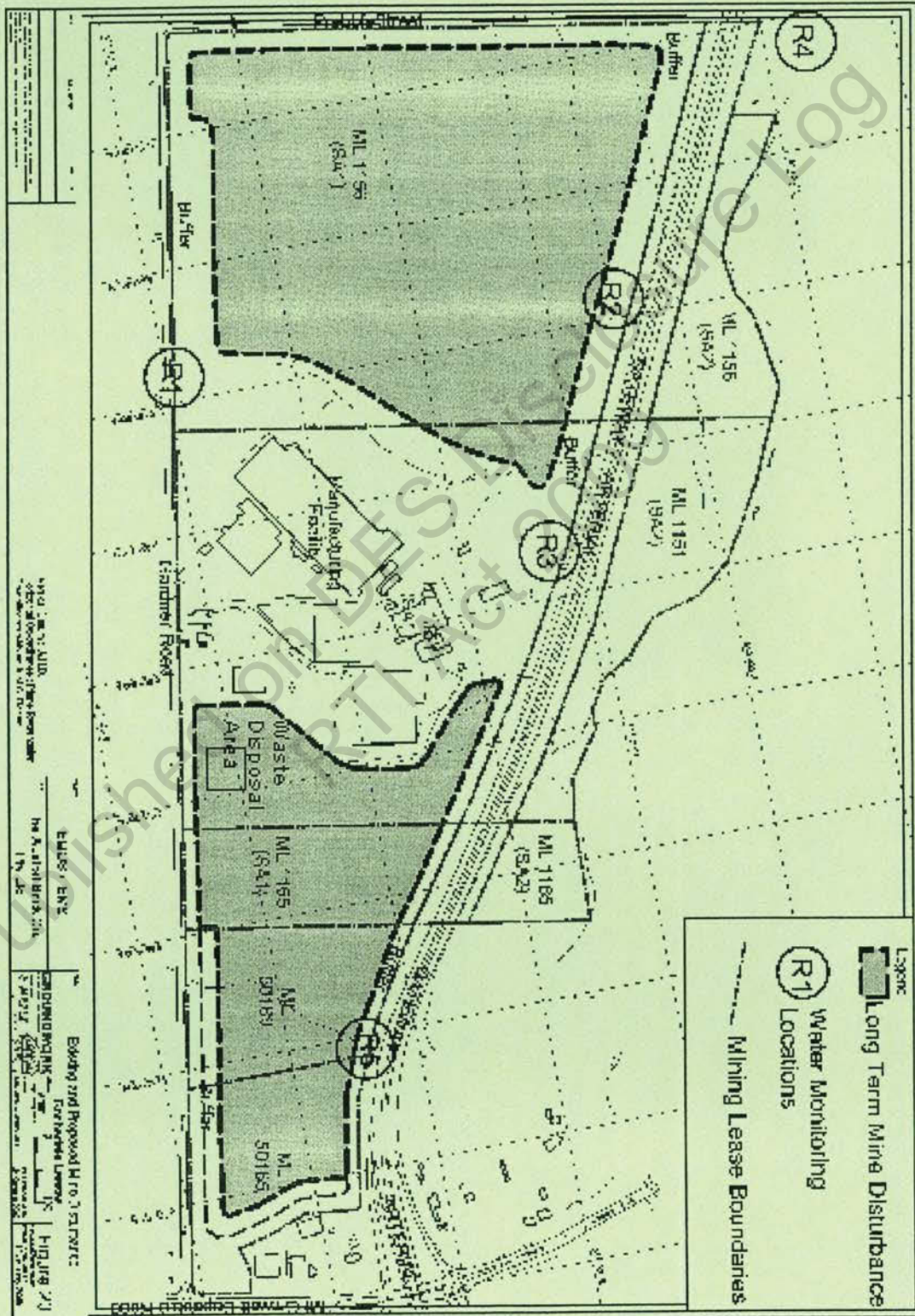
END OF CONDITIONS FOR PART 4 SCHEDULE I

END OF PART 4

Published on DES Disclosure
RTI Act 2009

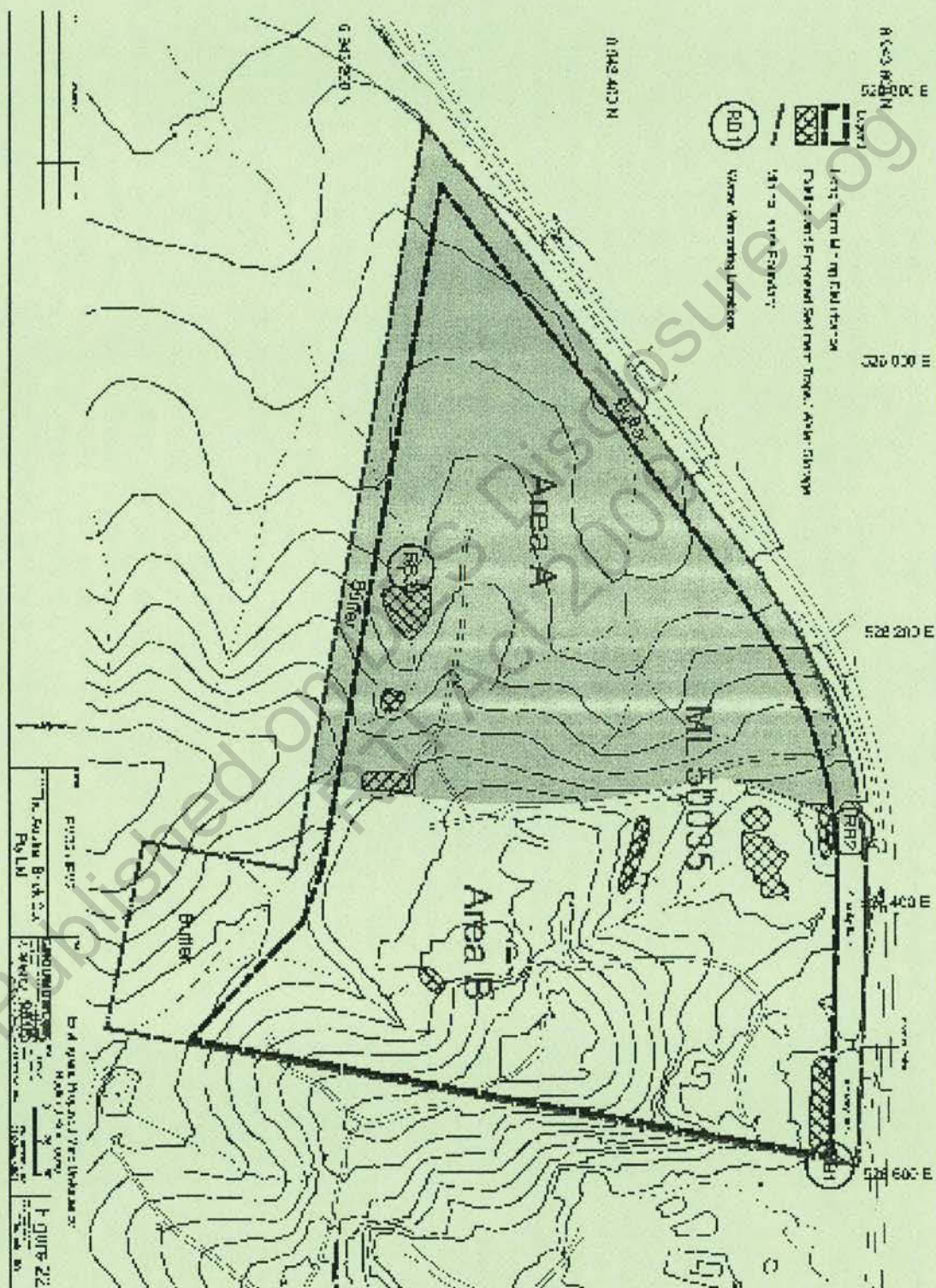


APPENDIX 1 – FIGURE 1
Rosedale Plant and Mining Leases – Waste Disposal Area, Water Monitoring
Locations and Buffer Zones

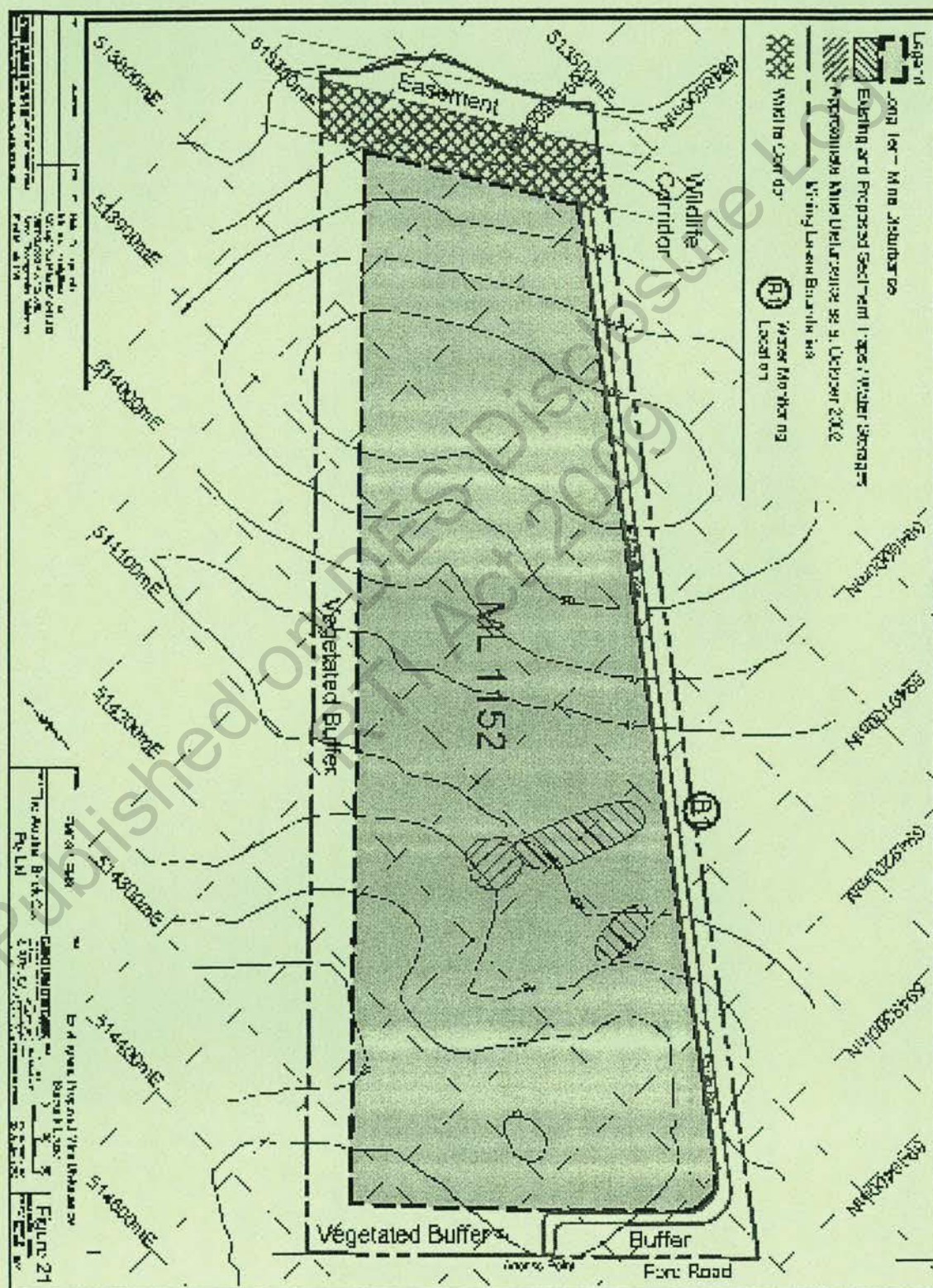


APPENDIX 1 – FIGURE 2

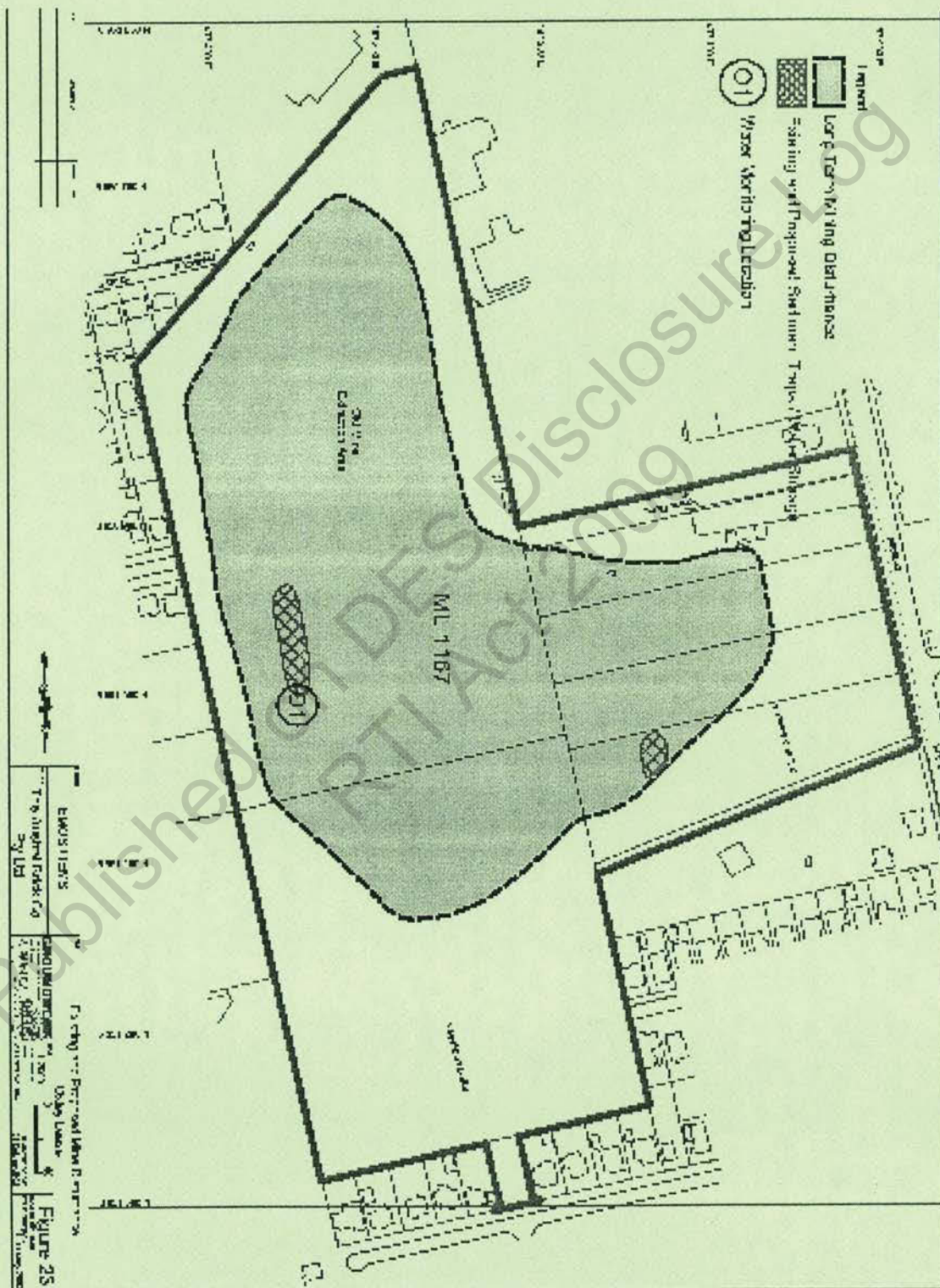
ML 50035 German Church Road Redland Bay – Monitoring Locations and Buffer Zones



APPENDIX 1 – FIGURE 3
ML 1152 Ford Road Burbank – Monitoring Locations and Buffer Zones



APPENDIX 1 – FIGURE 4
ML 50035 German Church Road Redland Bay – Monitoring Locations and Buffer Zones



END OF INTEGRATED AUTHORITY

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R S A Cover Sheet

Type of Approval: SECTION 3.5.11 + 3.5.15 - NOTICE OF
DEVELOPMENT APPLICATION DECISION

☐ Environmental Protection Act ☒ Integrated Planning Act ☐ Environmental Protection Regulations
☐ Noise EPP ☐ Air EPP ☐ Water EPP

Name: THE AURORA BRICK COMPANY PTY LTD

SITE address: GERMAN CHURCH ROAD
REDLAND BAY

Contact Officer: J PRITCHARD

Licence No.: SR 0376DA FILE NUMBER: STH374

☒ Approved ☐ Deferred ☐ Not Approved

Decision: Approved as submitted

Manager's Signature: 73(2) Irrelevant Approved: 17/4/03 Date Posted: 22.4.03

Registered Post No. 16809730 Date Faxed:

OFFICE USE ONLY

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



Notice of development application decision

Sections 3.5.11 and 3.5.15 *Integrated Planning Act 1997*

This notice is issued by the administering authority pursuant to sections 3.5.11 and 3.5.15 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquiries to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748

The Austral Brick Company Pty Ltd
105 Gardener Rd
Rochedale, Qld 4123

Attention: Mr J Braga,

Re: Application (No. SR0376DA) for development approval by The Austral Brick Company Pty Ltd for assessable activity to be carried out at a place situated at German Church Road, Redland Bay

Pursuant to part 1 and 2 of Schedule 1A of the *Integrated Planning Regulation 1998*, the Environmental Protection Agency is the assessment manager for the development application.

Assessment Manager information

Assessment Manager office: Environmental Protection Agency
Southern Regional Office (Brisbane)
Postal address: GPO Box 2771 BRISBANE QLD 4001
Telephone: (07) 3224 5641
Fax: (07) 3225 8723

The Environmental Protection Agency, acting as assessment manager under the *Integrated Planning Act 1997* for your application, advises that the development application decision notice about development prescribed under a regulation under the *Environmental Protection Act 1994* for schedule 8 part 1 item 6 of the *Integrated Planning Act 1997* is attached.

I: All staff / Mining &
Extractive / cases
Austral Brick DA /
SR0367 DA.



Should you require any further information please do not hesitate to contact Janet Pritchard on either phone (07) 3224 2763 or e-mail: janet.pritchard@epa.qld.gov.au

Signed

Date

Peter Smith
A/Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

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RTI Act 2009

R

Development application decision notice

Section 3.5.11 and 3.5.15 *Integrated Planning Act 1997*

Applicant:	The Austral Brick Company Pty Ltd
EPA Development Application number:	SR0376DA
Date application received by EPA:	19 December 2002
Date of decision:	26 February 2003
Relevant Laws and Policies:	<i>Environmental Protection Act 1994</i> and subordinate legislation
Jurisdiction:	Item 5 of Schedule 2 of the <i>Integrated Planning Regulation 1998</i>

Development Description:

Carrying out of Environmentally Relevant Activity (ERA):

20(c) 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 100 000 t or more per year

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

at the following place(s):

Part of Lot 1 RP854704

located at:

German Church Road, Redland Bay

Type of development

Material change of use of premises is:

- the start of a new use of the premises

Decision on Development Application

In deciding the application, the Environmental Protection Agency, as assessment manager approves all of the application and includes in the approval any concurrence agency conditions as a development permit.

Further development permits required

Nil

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Referral agencies

Concurrence Agencies: Nil
Advice Agencies: Nil
Referral Agencies: Nil

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 aware the activity is being carried out, give notice to the Environmental Protection Agency. A list of Notifiable Activities is provided within Schedule 2 of the *Environmental Protection Act 1994*.

Appeal

When issuing a decision notice under the *Integrated Planning Act 1997*, the assessment manager must state the rights of appeal for the applicant (section 3.5.15(2)(j)). The rights of appeal are attached to the back of this notice.

Signed

3 February 2003

Date

Peter Smith
A/Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

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Conditions of the development approval

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

The aforementioned description of the environmentally relevant activity (ERA) for which this development approval is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing this development 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 authorises the ERA. It does not authorise environmental harm unless a concurrence agency condition within this development approval explicitly authorises that harm. Where there is no condition or the development approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

- Schedule A - Activity
- Schedule B - Air
- Schedule C - Water
- Schedule D - Noise
- Schedule E - Waste
- Schedule F - Land
- Schedule G - Community
- Schedule H - Definitions
- Schedule I - Maps / Plans

Schedule A – Activity

Prevent and /or minimise likelihood of environmental harm

- (A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this approval.

NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

- (A2-1) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - maintain such measures, plant and equipment in a proper and efficient condition; and
 - operate such measures, plant and equipment in a proper and efficient manner.

Integrated Environmental Management System

- (A3-1) Prior to the commencement of any environmentally relevant activity ('the activities') under this environmental authority, the holder of this environmental authority must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (A3-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
 - Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 - Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.
- (A3-2) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Records

- (A5-1) 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.

Acid sulphate soil (ASS)

- (A7-1) You must comply with the latest edition of the Queensland Environmental Protection Agency's INSTRUCTIONS FOR THE TREATMENT AND MANAGEMENT OF ACID SULPHATE SOILS, 2001, produced by the Queensland Environmental Protection Agency in consultation with the Department of Natural Resources and Mines and the Department of Primary Industries.
- (A7-2) Acid sulphate soils must be managed such that contaminants are not directly or indirectly released, as a result of the activity, to any waters or the bed and banks of any waters.

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Storage and Handling of Flammable and Combustible Liquids

- (A8-1) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

Authorised site

- (A9-1) Environmentally relevant activities authorised under this authority must be undertaken at the site which is consistent with the Consent Order – Local Government of Queensland (L.G.A No.241 of 1985 as varied by Consent Order – Local Government of Queensland of 28 march 1991).

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Dust nuisance

- (B1-1) Subject to Conditions (B1-2) and (B1-3) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any dust sensitive or commercial place.
- (B1-2) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.
- (B1-3) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (B1-1):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 a dust sensitive or commercial place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;
- or
- Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

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NOTE: You must propose which monitoring method is appropriate in accordance with condition (B1-3) (a) or (b) or both.

Dust Control

- (B2-1) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (B2-2) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dusts suppressants and wind breaks.
- (B2-3) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Monitoring

- (C1-1) Monitoring must be undertaken and records kept of contaminant releases to waters from the discharge location for the parameters and not less frequently than specified in Schedule C Table 1. All determinations of the quality of contaminants released must be:
- made in accordance with methods prescribed in the latest edition of the Environment Protection Agency Water Quality Sampling Manual; and
 - carried out on samples that are representative of the discharge.

Schedule C - Table 1 (Release limits)

Monitoring point	Quality characteristics	Release Limits		Monitoring frequency
		Minimum	Maximum	
RB1 RB2 RB3	pH	6.5	9.0	Event release
	TSS (mg/L)	-	50mg/l	Event release

* Refer to Appendix 1 Figure 2 of Integrated Authority SR2484 for monitoring locations.

END OF CONDITIONS FOR SCHEDULE C

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Schedule D - Noise and vibration

Noise nuisance

- (D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (D1-2) All noise from activities must not exceed the levels specified in Schedule D - Table 1 and 2 at any noise affected premises.

Schedule D - Table 1 (Noise limits)

Noise level dB(A) measured as	Monday to Friday	Monday to Friday	Saturday
	6am – 7am	7am - 6pm	7am – 4pm
Noise measured at a 'Noise sensitive place'			
L _{A10} , adj, 10 mins	b/g + 3	b/g + 5	b/g + 5
L _{A1} , adj, 10 mins	b/g + 5	b/g + 10	b/g + 10
Noise measured at a 'Commercial place'			
L _{A10} , adj, 10 mins	b/g + 8	b/g + 10	b/g + 10
L _{A1} , adj, 10 mins	b/g + 10	b/g + 15	b/g + 15

Schedule D - Table 2 (Airblast Overpressure Level)

Location	Monday to Friday 9 am - 3 pm	Saturday, Sundays and public holidays
	Air blast overpressure level is no more than 115 db (Lin) Peak for four (4) out of five (5) consecutive blasts initiated and not greater than 120 db (Lin) Peak at any time.	No blasting to occur

Note: The method of measurement and reporting of over pressure levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.

Noise monitoring

- (D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. 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; and
 - location, date and time of recording.
- (D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

Vibration nuisance

- (D3-1) Vibration emitted from activities must not cause a nuisance at any vibration sensitive place.
- (D3-2) Vibration emitted from activities must not exceed the levels specified in Schedule D - Table 3 at any vibration sensitive place.

Schedule D - Table 3 (Vibration limits)

Location	Vibration measured	
	Monday to Friday 9 am - 3 pm	Saturday, Sundays and public holidays
Vibration sensitive or commercial place	5mm/s peak particle velocity for nine (9) out of ten (10) consecutive blasts and not greater than 10 mm/s peak particle velocity at any time	No blasting

Note: The method of measurement and reporting of vibration levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.

Vibration monitoring

- (D4-1) When requested by the Administering Authority, vibration monitoring and recording must be undertaken to investigate any complaint of nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. Monitoring must include:
- peak particle velocity (mm/s); and
 - location of the blast/s within the site (including which bench level); and
 - atmospheric conditions including temperature, relative humidity and wind speed and direction; and
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors; and
 - location, date and time of recording.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Waste

General

- E1-1 The holder of this development approval must not:
- (i) burn waste at or on the authorised place; or
 - (ii) allow waste to burn at or on the authorised place; or
 - (iii) remove waste from the authorised place and burn such waste elsewhere.

END OF CONDITIONS FOR SCHEDULE E

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Schedule F - Land

Rehabilitation landform criteria

- (F1-1) All areas significantly disturbed by activities must be rehabilitated in accordance with Part 3 Schedule F – Table 1.

Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule)

Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
Mine void	17.2	To be determined
Sediment traps / water basins	1	Wetland Type 1
Roads	0.8	No rehabilitation required - retain
Buffer	4	Native ecosystem

Rehabilitation Outcome – To be determined

- (F3-1) The final land use of mine voids is to be determined by a Planning Use Study which is to be consistent with any Planning Scheme and any rehabilitation outcome.
- (F3-2) The Planning Use Study report must be submitted to the administering authority by 30 June 2005.

Rehabilitation Outcome – Wetland Type 1 (rehabilitated sediment dams)

- (F5-1) Areas that are to be rehabilitated to wetland type 1 outcome will be considered rehabilitated when the dams are revegetated with species appropriate to filter contaminants from the water, and water discharges from the dams do not exceed the total suspended solids value of the inflow to the pond.

Buffers

- (F7-1) There must be no extractive activities conducted in the buffer zones identified in Appendix 1 Figure 2 of Integrated Authority SR 2484 other than for construction of amenity banks, environmental control works and activities involved with access or provision of services to the extractive area.

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Community

Complaint response

- (G1-1) 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.

END OF CONDITIONS FOR SCHEDULE G

Schedule H - Definitions

Words and phrases used throughout this licence or development approval are defined below:
Where a definition for a term used in this approval is sought and the term is not defined within this approval the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

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Word Definitions

"acceptance criteria" means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

"administering authority" means the Environmental Protection Agency or its successor.

"airblast overpressure" means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

"annual return" means the return required by the annual notice (under section 316 of the Environment Protection Act, 1994) for the section 86(2) licence that applies to the development approval.

"authorised place" means the place authorised under this environmental authority/development approval for the carrying out of the specified environmentally relevant activities.

"authority" means level 1 licence (without development approval), or level 1 approval (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994*.

"this authority" means this environmental authority/development approval.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

"blasting" means the use of explosive materials to fracture-

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse

"commercial place" means a place used as an office or for business or commercial purposes, other than a place within boundaries of the operational land.

"dam" means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.

"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.

"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.

"event release" means when water is released and which must occur at least four times per year.

"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.

"land use" term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

" $L_{A 10, \text{adj}, 10 \text{ mins}}$ " 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.

" $L_{A 1, \text{adj}, 10 \text{ mins}}$ " 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.

"mg/L" means milligrams per litre.

"nuisance sensitive place" includes -

- a dwelling, residential allotment, 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 under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes.
and includes a place within the curtilage of such a place reasonably used by persons at that place.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"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.
and includes the curtilage of such place.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"open area" means those parts of the mining lease that are cleared in preparation for, or to conduct mining, but have not had *rehabilitation* commence. Open area excludes permanent roads and fixed plant.

"peak particle velocity (ppv)" means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms-1).

"progressive rehabilitation" means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

"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.

"rehabilitation" the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

"self sustaining" means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

"site" means the place to which this environmental authority relates or the premises to which this development approval relates.

"stable" means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

"significant disturbance" – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant environmental authority; or
 - ii. if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

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- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

"trivial harm" means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5000.

"vibration sensitive place" means a noise sensitive place or a commercial place.

"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 groundwater and any part thereof.

"you" means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Development Approval.

END OF DEFINITIONS FOR SCHEDULE H

END OF DEVELOPMENT APPROVAL

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Extract from the *Integrated Planning Act 1997*

Division 8—Appeals to court relating to development applications

Appeals by applicants

- 4.1.27 (1) An applicant for a development application may appeal to the court against any of the following -
- (a) the refusal, or the refusal in part, of a development application;
 - (b) a matter stated in a development approval, including any condition applying to the development, and the identification of a code under section 3.1.6;
 - (c) the decision to give a preliminary approval when a development permit was applied for;
 - (d) the length of a currency period;
 - (e) a deemed refusal.
- (2) An appeal under subsection (1)(a) to (d) must be started within 20 business days (the “**applicant’s appeal period**”) after the day the decision notice or negotiated decision notice is given to the applicant.
- (3) An appeal under subsection (1)(e) may be started at any time after the last day a decision on the matter should have been made.

Appeals by submitters

- 4.1.28 (1) A submitter for a development application may appeal to the court about -
- (a) the giving of a development approval, including any conditions (or lack of conditions) or other provisions of the approval; or
 - (b) the length of a currency period for the approval.
- (2) The appeal must be started within 20 business days (the “**submitter’s appeal period**”) after the day the decision notice or negotiated decision notice is given to the submitter.
- (3) If a person withdraws a submission before the application is decided, the person may not appeal the decision.
- (4) If an application involves both impact assessment and code assessment, appeal rights for submitters are available only for the part of the application involving impact assessment.

Appeals by advice agency submitters

- 4.1.29 (1) An advice agency may, within the limits of its jurisdiction, appeal to the court about the giving of a development approval for a development application if -
- (a) the development application involves impact assessment; and
 - (b) the advice agency told the applicant and the assessment manager to treat its response to the application as a submission for an appeal.
- (2) The appeal must be started within 20 business days after the day the decision notice or negotiated notice is given to the advice agency as a submitter.

Appeals for matters arising after approval given (co-respondents)

- 4.1.30 (1) For a development approval given for a development application, a person to whom any of the following notices have been given may appeal to the court against the decision in the notice -
- (a) a notice giving a decision on a request for an extension of the currency period for an approval;
 - (b) a notice giving a decision on a request to make a minor change to an approval.
- (2) The appeal must be started within 20 business days after the day the notice of the decision is given to the person.
- (3) Subsection (1)(a) does not apply if the approval resulted from a development application (superseded planning scheme) that was assessed as if it were an application made under a superseded planning scheme.

Division 9 - Appeals to court about other matters

Appeals for matters arising after approval given (no co-respondents)

- 4.1.31 (1) A person to whom any of the following notices have been given may appeal to the court against the decision in the notice -
- (a) a notice giving a decision on a request to change or cancel a condition of a development approval;
 - (b) a notice under section 6.1.44 giving a decision to change or cancel a condition of a development approval.
- (2) The appeal must be started within 20 business days after the day the notice of the decision is given to the person.

Appeals against enforcement notices

- 4.1.32 (1) A person who is given an enforcement notice may appeal to the court against the giving of the notice.
- (2) The appeal must be started within 20 business days after the day notice is given to the person.

Stay of operation of enforcement notice

- 4.1.33 (1) The lodging of a notice of appeal about an enforcement notice stays the operation of the enforcement notice until -
- (a) the court, on the application of the entity issuing the notice, decides otherwise; or
 - (b) the appeal is withdrawn; or
 - (c) the appeal is dismissed.
- (2) However, subsection (1) does not apply if the enforcement notice is about -
- (a) a work, if the enforcement notice states the entity believes the work is a danger to persons or a risk to public health; or
 - (b) carrying out development that is the demolition of a work.

Appeals against decisions on compensation claims

- 4.1.34 (1) A person who is dissatisfied with a decision under section 5.4.8 or 5.5.3 for the payment of compensation may appeal to the court against -
- (a) the decision; or
 - (b) a deemed refusal of the claim.
- (2) An appeal under subsection (1)(a) must be started with 20 business days after the day notice of the decision is given to the person.
- (3) An appeal under subsection (1)(b) may be started at any time after the last day a decision on the matter should have been made.

Appeals against decisions on requests to acquire designated land under hardship

- 4.1.35 (1) A person who is dissatisfied with a designator's decision to refuse a request made by the person under section 2.6.19, may appeal to the court against -
- (a) the decision; or
 - (b) a deemed refusal of the request.
- (2) An appeal under subsection (1)(a) must be started within 20 business days after the day notice of the decision is given to the person.
- (3) An appeal under subsection (1)(b) may be started at any time after the last day a decision on the matter should have been made.

Appeals from tribunals

- 4.1.37 (1) A party to a proceeding decided by a tribunal may appeal to the court against the tribunal's decision, but only on the ground -
- (a) of error or mistake in law on the part of the tribunal; or
 - (b) that the tribunal had no jurisdiction to make the decision or exceeded its jurisdiction in making the decision.
- (2) An appeal against a tribunal's decision must be started within 20 business days after the day notice of the tribunal's decision is given to the party.

Court may remit matter to tribunal

- 4.1.38 If an appeal includes a matter within the jurisdiction of a tribunal and the court is satisfied the matter should be dealt with by a tribunal, the court must remit the matter to the tribunal for decision.

Division 10 - Making an appeal to court

How appeals to the court are started

- 4.1.39 (1) An appeal is started by lodging written notice of appeal with the registrar of the court.
- (2) The notice of appeal must state the grounds of the appeal.
 - (3) The person starting the appeal must also comply with the rules of the court applying to the appeal.
 - (4) However, the court may hear and decide an appeal even if the person has not complied with subsection (3).

Certain appellants must obtain information about submitters

- 4.1.40 (1) If the applicant or a submitter for a development application appeals about the part of the application involving impact assessment, the appellant must ask the assessment manager to give the appellant the name and address of each principal submitter who made a properly made submission about the application and has not withdrawn the submission.
- (2) The assessment manager must give the information requested under subsection (1) as soon as practicable.

Notice of appeal to other parties (div 8)

- 4.1.41 (1) An appellant under division 8 must, within 10 business days after the day the appeal is started (or if information is requested under section 4.1.40, within 10 business days after the day the appellant is given the information) give written notice of the appeal to -
- (a) if the appellant is an applicant - the assessment manager, any concurrence agency, any principal submitter whose submission has not been withdrawn and any advice agency treated as a submitter whose submission has not been withdrawn; or
 - (b) if the appellant is a submitter or an advice agency whose response to the development application is treated as a submission for an appeal - the assessment manager, the applicant and any concurrence agency; or
 - (c) if the appellant is a person to whom a notice mentioned in section 4.1.30 has been given - the assessment manager and any entity that was a concurrence agency for the development application.
- (2) The notice must state -
- (a) the grounds of the appeal; and
 - (b) if the person given the notice is not the respondent or a co-respondent under section 4.1.43 - that the person, within 10 business days after the day the notice is given, may elect to become a co-respondent to the appeal.

Notice of appeal to other parties (div 9)

- 4.1.42 (1) An appellant under division 9 must, within 10 business days after the day the appeal is started give written notice of the appeal to -
- (a) if the appellant is a person to whom a notice mentioned in section 4.1.31⁷³ has been given - the entity that gave the notice; or
 - (b) if the appellant is a person to whom an enforcement notice is given - the entity that gave the notice and if the entity is not the local government, the local government; or
 - (c) if the appellant is a person dissatisfied with a decision about compensation - the local government that decided the claim; or
 - (d) if the appellant is a person dissatisfied with a decision about acquiring designated land - the designator; or
 - (e) if the appellant is a person who is disqualified as a private certifier - the entity disqualifying the person and if the entity disqualifying the person is not the accrediting body, the accrediting body; or
 - (f) if the appellant is a party to a proceeding decided by a tribunal - the other party to the proceeding.
- (2) The notice must state the grounds of the appeal.

Respondent and co-respondents for appeals under div 8

- 4.1.43 (1) This section applies to appeals under division 8 for a development application.
- (2) The assessment manager is the respondent for the appeal.
- (3) If the appeal is started by a submitter, the applicant is a co-respondent for the appeal.
- (4) If the appeal is about a concurrence agency response, the concurrence agency is a co-respondent for the appeal.
- (5) If the appeal is only about a concurrence agency response, the assessment manager may apply to the court to withdraw from the appeal.
- (6) The respondent and any co-respondents for an appeal are entitled to be heard in the appeal as a party to the appeal.
- (7) A person to whom a notice of appeal is required to be given under section 4.1.41 and who is not the respondent or a co-respondent for the appeal may elect to be a co-respondent.

Respondent and co-respondents for appeals under div 9

- 4.1.44 (1) This section applies if an entity is required under section 4.1.42 to be given a notice of an appeal.
- (2) The entity given written notice is the respondent for the appeal.
- (3) However, if under a provision of the section more than 1 entity is required to be given notice, only the first entity mentioned in the provision is the respondent.
- (4) The second entity mentioned in the provision may elect to be a co-respondent.

How a person may elect to be co-respondent

- 4.1.45 (1) An entity elects to be a co-respondent by lodging in the court, within 10 business days after the day the notice of the appeal is given to the entity, a notice of election under the rules of court.
- (2) If a principal submitter is entitled to elect to become a co-respondent, any other submitter for the submission may also elect to become a co-respondent to the appeal.

Minister entitled to be represented in an appeal involving a State interest

- 4.1.46 If the Minister is satisfied that an appeal involves a State interest, the Minister is entitled to be represented in the appeal.

Lodging appeal stops certain actions

- 4.1.47 (1) If an appeal (other than an appeal under section 4.1.30) is started under division 8, the development must not be started until the appeal is decided or withdrawn.
- (2) Despite subsection (1), if the court is satisfied the outcome of the appeal would not be affected if the development or part of the development is started before the appeal is decided, the court may allow the development or part of the development to start before the appeal is decided.



Notice to local government of development application decision

Section 3.5.11 and 3.5.15 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to sections 3.5.11 and 3.5.15 of the Integrated Planning Act 1997, to advise you of a decision or action.

3 Attached documents in
Allsther staff /
I: Mining & Extract /
Cases / Austral Brick
DA / Notice STH3748
- Austral AR
- Austral CADA

Enquires to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748

Reland Shire Council
PO Box 21
Cleveland QLD 4163

Attention: Lex Smith,

Re: Application for development approval.

The Environmental Protection Agency, acting as assessment manager for the application described below advises that, in accordance with section 3.5.15(1)(c) of the *Integrated Planning Act 1997*, the decision notice about the development application is attached for your information.

The development is prescribed under a regulation in accordance with the *Environmental Protection Act 1994* for schedule 8 part 1 item 6 of the *Integrated Planning Act 1997*.

Application information

Applicant	The Austral Brick Company Pty Ltd
Application received by EPA:	19 December 2003
EPA no:	SR0376DA
Description:	20(c) Extracting rock or other material 22 (c) Screening etc. materials
Street address of subject land:	German Church Road Redlands
Location details:	Lot 1 RP854704

Assessment manager information

Assessment Manager office: Environmental Protection Agency
Southern Region
Postal Address: 105 Gardener Road, Rochedale Qld 4123
Telephone: (07) 3871 0411
Fax: (07) 3871 0021

Should you require any further information please do not hesitate to contact Janet Pritchard on 3224 2763.

.....
Signed

.....
Date

Peter Smith
A/Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Published on DES Disclosure Log
RTI Act 2009

EA/DA Assessment Report:

APPLICATION NOTES:

1. Each assessment report prepared to support recommendations made for decision is to be structured in the format shown below.
2. Explanatory notes for completing the report are given under each heading in brackets.
3. The report is to be completed, where indicated, to confirm conclusion of supervisory review/endorsement, and decision stages of the process.

PROJECT NUMBER:
EPA EA/DA NO: SR037DA

FILE NO: STH3748

DEVELOPMENT APPROVAL NO:

TYPE OF APPLICATION: EA level 1 with Development Approval

APPLICANT: The Austral Brick Co. Pty Ltd
TRADING AS: The Austral Brick Co. Pty Ltd

ENVIRONMENTALLY RELEVANT ACTIVITY/IES:
20 (c) Extracting Rock and Other Material
22 (c) Screening etc

1. Issues

General

Condition A3 - 1 states that the proponent must implement a site based management plan for the site for the management of all potential environmental impacts. The site based management plan has been integrated as outlined in the IEMS (October 2002)

Air emissions

Dust generations will result from blasting, removal of overburden, blasting, stockpiles and truck and machinery movements and crushing and screening. Schedule B will not allow releases of dust beyond set limits.

Stormwater

Extraction, crushing and screening is proposed to be located in an area currently mined for clay/shale from ML No. 50035. Runoff from areas where extraction, crushing and screening will be integrated with runoff from the whole site. This includes directing water to a sediment pond system throughout the site.

Water quality

The potential sources of water pollution are the releases of suspended solids and turbid water to local watercourses. Schedule C will not allow releases of contaminants beyond a set limit.

Noise and vibration

Sources of noise are emissions from mobile and stationary plant and equipment and blasting associated with excavation. For the purposes of assessing whether noise nuisance has occurred, noise limits are set in Schedule D – table 1. Ground borne vibrations limits are set in Schedule D – table 2.

Land Rehabilitation

Land rehabilitation conditions will be consistent with the environmental authority for mining activities at the site.

2. Description of Operation

Currently the mining of clay/shale from ML No. 50035 is hampered by the presence of hard siliceous material which is suitable for quarry products. Extracted siliceous material is currently spoiled. The applicants propose processing of this hard siliceous material into quarry products and are subsequently applying for development approval for Environmentally Relevant Activity 20 (c). Following extraction, rock will either be transported off site for processing or processed on site by a crushing and screening plant. The applicants are also seeking approval for Environmentally Relevant Activity 22 (C).

It is anticipated that quarrying activities will proceed on an intermittent basis with annual extraction ranging between nil and in excess of 100 000 tonnes.

3. Emissions, Discharges and Environmental Compliance

Additional to dust and stormwater contamination, which are already emitted from current mining activities, the principal issue from the new activities is vibration from blasting.

4. Assessment Considerations

Initial overall considerations are presented in the checklist EADA (attached). Support and substantiation for the identified relevant considerations are given below under the appropriate headings:

Ecological Sustainable Development

The proponent has demonstrated the principles of ecologically sustainable development by proposing the use and sale of siliceous material, which is currently spoiled in the process of mining clay/shale under ML 50035. If the siliceous material is not extracted, quantities of clay/shale remain not extracted, which is an undesirable outcome for the effective and efficient use of the State's mineral resources.

Environmental Protection Policies (EPP's)

The EPP's on Water, Air, Noise and Waste have been considered during the assessment of this application. The objectives and standards of EPP - water, air, noise and waste have been incorporated in preparing the resulting conditions.

Plans, standards and agreements

The land has existing development approval for extractive industry (Consent order – Local Government of Queensland). ANZECC Guidelines, the conditions dictated by the Consent order and those drafted for Austral Bricks mining activities have been used to assist in benchmarking environmental performance of undertaking the ERA 20(c) and 22 (c). The information provided by the company has been considered in conjunction along with the nature of the industry, the receiving environment and mining activities being undertaken at the site.

Environmental Impact Statement

No applicable

Receiving environment

The current zoning of the land is rural/non-urban under the Redland Shire Planning Scheme. The site authorised by SR0327DA is situated within the area subject to the State Planning Policy 1/91 (Conservation of koalas in the Koala Coast). Section 2.5 of the policy states that approved existing uses must be protected to provide certainty and security for landowners. As the proposed extractive activities were approved in 1985 (Consent Order – Local Government of Queensland (L.G.A No. 24 of 1985) prior to the commencement of the koala State Planning Policy. As such, the proposed activities should not be impacted by the policy, however conditions A9 -1 and schedule F of the authority will facilitate the minimisation of impact on Koala habitat.

The exact lot description which is covered by this development approval (SR0327DA) was unable to be defined at the time of processing of the approval, and therefore has been described as Part lot 1 RP 854704. However, as extraction activities must be in compliance with a Consent Order – Local Government of Queensland (L.G.A No. 241 of 1985) condition A9-1 of SR0327DA states that 'Environmentally relevant activities authorised under this authority must be undertaken at the site which is consistent with the Consent Order – Local Government of Queensland (L.G.A No.241 of 1985)'.

The site authorised by for the two new environmentally relevant activities is located on mining lease ML No. 50035, which is one of the 10 mining leases being incorporated in the integrated authority mentioned above.

Best Practice Environmental Management

The proponents have implemented a waste management and minimisation plan. The proponents have also committed to a regular review of their IEMS which includes an annual review of standards achieved.

Financial implications

The Austral Brick Co. Pty Ltd have committed to staff training, and monitoring and auditing program.

No public submissions or enquires have been received for the application. The environmental values of the local community will be protected by the proposed conditions.

Site management plan

The company has demonstrated its commitment to conduct its activities in an environmentally responsible manner by development of its Integrated Environmental Management System that includes site-specific issues and controls. Their environmental monitoring program will commence in accordance with the issued conditions.

5. Consultations

Janet Pritchard, Matt Buchannan and Paul Dodd undertook site visits. The Environmental Management Overview Strategy incorporating the Integrated Environmental Management System (Mining, Manufacturing and Extractive Industry Activities) was presented to the EPA on 19 December 2002. Conditions drafted were accepted on 16 April 2003. The Development Approval for ERA 20 (c) and 22 (c) was developed in collaboration with assessment officer processing the integrated authority application submitted by The Austral Brick Co. Pty Ltd.

6. Project Killers

Nil apparent

7. Streamlined Conditions

The following conditions are used:

Full Streamlined Conditions

Some Streamlined Conditions

No Streamlined Conditions

☐
☒
☐

8. Recommendations

It is recommended that the "Application for Development Approval" under section 3.5.11 and 3.5.15 of the Integrated Planning Act 1997 (Application No. SR0376DA) made by ~~Cossack Holdings~~ ^{The Austral Brick Co. Pty Ltd}, for the environmentally relevant activities of "Extraction" and "Screening etc materials" be granted, subject to the schedule of conditions as attached.

Assessing Officer: Janet Pritchard

Signed:

73(2)Irrelevant

Date:

17.
16/4/03

9. Review and Endorsement

Comment:

Supervisor:

Signed:

Date:

10. Decision

Comment:

Delegate:

PETER

SMITH

Signed:

73(2)Irrelevant

Date:

17/4/03

EADA Assessment Checklist:

Environmental Authority/Development Approval Assessment Checklist

PROJECT NUMBER EPA EA/DA NUMBER: SR0376DA		FILE NO: <i>STH 3748</i>	
IPA Assessment Manager:	☒ (refer to 2.0)	EP Act Authority (refer to 6.0) (except Personal Licence refer to 5.0):	☐ Level 2 Approval ☐ Level 1 Licence ☐ Personal Licence ☐ Level 1 Approval
IPA Concurrence Agency:	☐ (refer to 3.0)	IP Act Approval (refer to 6.0):	☐ Preliminary ☐ Concurrence
IPA Referral Coordination:	☐ (refer to 4.0)	Mining	☐ Type:

1.0	FEEES AND FORMS (ALL APPLICATIONS)	√ if relevant
	Have correct fees been paid? <i>overpaid</i>	☒
	Have correct form/s been received?	☒

2.0	ASSESSMENT MANAGER	√ if relevant
2.1	Determination of Assessment Manager: EPA acts as the Assessment Manager if the following are satisfied (√ to be shown) i) Development is not assessable under a planning scheme. ii) Application does not include other IDAS development eg town planning consent. iii) No other Assessment Manager is prescribed for the development in the IPA Regulation.	☐ ☒ ☒
2.2	As Assessment Manager: Has acknowledgment notice been prepared and sent to applicant? Is an Information Request required? If so, has Information Request been sent to applicant?	☐ ☐ ☐

3.0	CONCURRENCE AGENCY INFORMATION	√ if relevant
	Has a copy of acknowledgment notice been received?	☐
	Is an Information Request required? If so, has Information Request been sent to applicant and copy to Local Council (if application not referral coordination)?	☐ ☐

4.0	REFERRAL COORDINATION	√ if relevant
	Is full copy of application received from Council?	☐
	Has DLGP application for Referral Coordination been received?	☐
	Is an Information Request required? If so, has Information Request been sent to DLGP?	☐ ☐

5.0	ENVIRONMENTAL AUTHORITY WITH DEVELOPMENT APPROVAL (not applicable to preliminary approvals and level 2 ERAs)	√ if relevant
	Has a separate application for licence or level 1 approval (s.82) been received?	☒

EADA Assessment Checklist:

6.0	APPLICATION ASSESSMENT REQUIREMENTS
OPERATIONAL NOTES: 1. All considerations listed below to be assessed initially for relevance and ticked if applicable. 2. When ticked as relevant further, more detailed assessment of the consideration is appropriate. An explanatory statement of the issue must be given in the Assessment Report (AR).	

	ASSESSMENT CONSIDERATIONS	✓ if relevant
6.1	EPP WATER: (If not applicable, proceed to Item 6.2)	
	Is there release of waste waters? (if no, proceed to item s24).	☒
s11	Water quality objectives : Are water quality objectives defined? Quote objective in assessment report.	☒
s15	Waste management evaluation procedure: Is the activity likely to affect a water?	☒
s16	Waste water recycling: Does the activity involve waste water recycling?	☐
s17	Waste water releases on land: Does the activity involve the release of wastewater to land?	☐
s18	Waste water releases to surface water: Is there a release (not stormwater) to surface waters?	☒
s19	Stormwater management: Is there a release of contaminated stormwater to waters?	☐
s20	Direct waste water release to ground waters: Is there a direct release to groundwater?	☐
s21	Incidental waste water release to ground waters: Is there an incidental release to groundwater?	☐
s22	Construction of artificial releases wetlands for waste treatment: Does the activity involve the construction of an artificial wetland for wastewater treatment in a natural wetland?	☐
s23	Use of natural biological controls in treatment of waste water: Are natural biological controls used in treatment of waste water	☐
s24	Acid sulfate soils: Does the activity involve the exposure or disturbance of acid sulfate soils or the lowering of a watertable associated with acid sulfate soils?	☐
s25	Waste reception facilities for ships: Does the activity involve a place for docking of ships?	☐
s26	Monitoring particular releases: Is there a release to land or waters?	☒
s27	Impact monitoring: Is there a release of wastewater to land or waters?	☐
6.2	EPP NOISE: Does, or can, the activity adversely affect the environmental values (noise relevant activity)? If 'no', proceed to item 6.3	
s13	Evaluation procedure: Is evaluated procedure followed?	☒
s14	Matters for consideration: Is consideration given to s14 matters?	☒
s15	Planning levels: Does the activity involve the use or operation of a beneficial asset?	☐
s17	Plan as a condition: Is a noise management plan necessary?	☐
6.3	EPP AIR: Does, or can, the activity adversely affect the environmental values (relevant activity)? If 'no', proceed to item 6.4	
s11	Evaluation procedure: Is evaluation procedure followed?	☒
s12	Matters for consideration: Is consideration given to section 12 matters?	☒
s13	Air pollutant dispersion modelling and monitoring of releases: Is it likely that the releases will cause environmental harm?	☐
6.4	EPP Waste: Does, or can, the activity involve generation, transport or receipt of waste? If 'no', proceed to item 6.5	
s15	Generating waste: is it relevant?	☐
s16	Transporting waste: is it relevant?	☐
s17	Receiving waste: is it relevant?	☐
s19	Waste Management Program: could there be need to require one?	☐
6.5	OTHER CONSIDERATIONS	
	Guidelines: Are any relevant guidelines considered?	☒
	Operational Policies: Are any Agency operational policies considered?	☐
	Codes of Practice: Are any codes of practice considered?	☐
	Standards: Are any Australian (or International) Standards considered?	☒
	National Strategies: Are any National Strategies considered?	☐

EA/DA Assessment Checklist:

EADA

6.6	SECTIONS 78, 84, 91, 102, 111, 168, 173, 181, 207, 209, 210, 242, and 304 (as applicable)	
	Additional Information: Has any additional information given in relation to the application been considered?	☐
	Standard Criteria: Relevant considerations specified in Assessment Report	☒
	Public Notice: Have any submissions and views expressed at a conference been considered?	☐
	Applicant Suitability: Is an investigation into applicant suitability required?	☐
	IEMS: Submission received for the activity	☒
	Mining Standard Conditions: Is applicant able to comply with the relevant standard EA conditions	☐
	Mining MRA application: Is the status of any application under the MRA relevant	☐
6.7	NATIVE TITLE ACT (where applicable)	
	Notification to interested parties sent, where required.	☐
	Response received (for comments, refer to assessment report - AR).	☐
6.8	NOTIFIABLE ACTIVITIES - CONTAMINATED LAND (s.371)	
	Notification of Land: Is the activity listed in Schedule 2 of Environmental Protection Act? If "yes" send "Notification of Land" form" (s.371) or (s.372) to Contaminated Land Section.	☐

CONSULTATIONS		✓ if relevant	Date Completed
Site visit.	(16-4-03)	☒	24-1-03
Meetings/Conference		☐	
Draft conditions sent to applicant.		☒	
Applicant acceptance of final condition (discuss project killers in assessment report).		☒	16-4-03
If Assessment Manager - conditions sent to applicant and copy of decision notice sent to Local Authority.		☒	
If Concurrence Agency - conditions sent to applicant and Assessment Manager.		☐	

OFFICER: _____	73(2) Irrelevant _____	DATE: 16-4-03
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Notice of development application decision

Sections 3.5.11 and 3.5.15 *Integrated Planning Act 1997*

This notice is issued by the administering authority pursuant to sections 3.5.11 and 3.5.15 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquiries to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748/SR0376DA

The Austral Brick Company Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

Attention: Mr J Braga,

Re: Application (No. SR0376DA) for development approval by The Austral Brick Company Pty Ltd for assessable activity to be carried out at a place situated at German Church Road, Redland Bay

Pursuant to part 1 and 2 of Schedule 1A of the *Integrated Planning Regulation 1998*, the Environmental Protection Agency is the assessment manager for the development application.

Assessment Manager information

Assessment Manager office: Environmental Protection Agency
Southern Regional Office (Brisbane)
Postal address: GPO Box 2771
BRISBANE QLD 4001
Telephone: (07) 3224 5641
Fax: (07) 3225 8723

The Environmental Protection Agency, acting as assessment manager under the *Integrated Planning Act 1997* for your application, advises that the development application decision notice about development prescribed under a regulation under the *Environmental Protection Act 1994* for schedule 8 part 1 item 6 of the *Integrated Planning Act 1997* is attached.



Should you require any further information please do not hesitate to contact Janet Pritchard on either phone (07) 3224 2763 or e-mail: janet.pritchard@epa.qld.gov.au

73(2)Irrelevant

Signed

Date

17 APRIL 2003

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Published on DES Disclosure Log
RTI Act 2009

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Notice of development application decision

Sections 3.5.11 and 3.5.15 *Integrated Planning Act 1997*

This notice is issued by the administering authority pursuant to sections 3.5.11 and 3.5.15 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquiries to : Janet Pritchard
Telephone : (07) 3224 2763
Your reference :
Our reference : STH3748/SR0376DA

The Austral Brick Company Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

Attention: Mr J Braga,

Re: Application (No. SR0376DA) for development approval by The Austral Brick Company Pty Ltd for assessable activity to be carried out at a place situated at German Church Road, Redland Bay

Pursuant to part 1 and 2 of Schedule 1A of the *Integrated Planning Regulation 1998*, the Environmental Protection Agency is the assessment manager for the development application.

Assessment Manager information

Assessment Manager office: Environmental Protection Agency
Southern Regional Office (Brisbane)
Postal address: GPO Box 2771
BRISBANE QLD 4001
Telephone: (07) 3224 5641
Fax: (07) 3225 8723

The Environmental Protection Agency, acting as assessment manager under the *Integrated Planning Act 1997* for your application, advises that the development application decision notice about development prescribed under a regulation under the *Environmental Protection Act 1994* for schedule 8 part 1 item 6 of the *Integrated Planning Act 1997* is attached.



Should you require any further information please do not hesitate to contact Janet Pritchard on either phone (07) 3224 2763 or e-mail: janet.pritchard@epa.qld.gov.au

73(2)Irrelevant

Signed

17 APRIL 2003

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

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RTI Act 2009

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R S A Cover Sheet

Type of Approval: SECTION 3-3.6 NOTICE REQUESTING
WRITTEN AGREEMENT TO EXTENSION OF DECISION
MAKING PERIOD

☐ Environmental Protection Act ☒ Integrated Planning Act ☐ Environmental Protection Regulations
☐ Noise EPP ☐ Air EPP ☐ Water EPP

Name: THE AUSTRAL BRICK CO PTY LTD

SITE address: GERMAN CHURCH ROAD
REDLAND BAY

Contact Officer: M BUCHANAN

Licence No.: **FILE NUMBER:** STA 3748

☒ Approved ☐ Deferred ☐ Not Approved

Decision: Approved as submitted

Manager's Signature: 73(2) Irrelevant Approved: 27/3/03 Date Posted: 27/3/03
 Registered Post No. Date Faxed: 27/3/03

OFFICE USE ONLY

LICENCE ISSUE/REISSUE	
☐ Register updated ☐ 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 FILES
RSA NOT REQUIRING LICENCE ISSUE/REISSUE	
☒ Letter sent to applicant ☒ Register updated (date of decision, letter to applicant, and final tick)	IF ALL TICKED..... RETURN FINAL COPIES TO DISTRICT FILES



Notice requesting written agreement to the extension of decision making period

Section 3.3.6 Integrated Planning Act 1997

This statutory notice is issued by the administering authority pursuant to section 3.3.6 of the Integrated Planning Act 1997, to advise you of a decision or action.

Enquires to : Matt Buchanan
Telephone : (07) 3224 58401
Your reference :
Our reference : STH3748

The Austral Brick Co. Pty Ltd
105 Gardener Road
ROCHEDALE QLD 4123

Allen Jermyn
Groundwork EMS Pty Ltd
9 McInroy Street
TARINGA QLD 4068

Attention: Mr Rod Clarke,

Re: Application for development approval.

Following discussions concerning your development application, the Environmental Protection Agency, acting as assessment manager, request your written agreement to extend the decision making period by 15 business days.

With your agreement, the new date that this period will end is now 17 April 2003.

Application information

Applicant	The Austral Brick Co. Pty Ltd
Application received by EPA:	19 December 2003
EPA no:	SR0376DA
Description:	20(c) 22(c) Extracting rock or other material, Screening etc. materials
Street address of subject land:	German Church Rd, Redland Bay
Location details:	Lot 1 RP854704

The *Integrated Planning Act 1997* (section 3.3.6) states that this request requires the applicant's written agreement. If you agree, please sign this form where indicated below and return it to:

Southern Regional Office (Brisbane)
GPO Box 2771
BRISBANE QLD 4001

R

Applicant agreement

I/We as the applicant for development application number(s) SR0376DA agree to this request for the stated extension to the information request/decision making period.

Applicant signature

Printed name of applicant

Position of applicant

Should you require any further information please do not hesitate to contact Matt Buchanan on 3225 8401.

73(2) Irrelevant

27 March 2003

Signed

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Fax



Queensland Government

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

To: Rod Clarke **Fax:** 07 3849 4028

From: Cathy Ufer, Southern Region

Telephone: (07) 3224 5097 **Fax:** 07 3225 8723

E-mail: cathy.ufer@epa.qld.gov.au

Date: 27 March 2003 **Pages:** (including this page) 3

Subject: Extension of time for decision on application

URGENT

The following notice needs to be signed and returned by fax today –
Fax: 07 3225 8723

Privacy and confidentiality notice

The information contained in this facsimile is intended for the named recipient/s only. It may contain privileged and confidential information and if you are not an intended recipient, you must not copy, distribute or take any action in reliance on it. If you have received this facsimile in error, please notify the sender.

DEVELOPMENT APPROVAL APPLICATION

Application Number

SR0376DA

The Austral Brick Co Pty Ltd	
German Church Road Redland Bay	20(c) Extracting rock or other material 22(c) Screening etc material
Application Received	19/12/2003
Information request to be sent by	7/01/2003
Information Request sent	
Information Received	
Target Dates	
Assessment Start Date Application date + 10 Days	7/01/2003
Response Date Assessment Start Date + 20 Days Extended by written agreement - twice	17/04/2003
File Number	
Assessing Officer	

R



Development application decision notice

Section 3.5.11 and 3.5.15 *Integrated Planning Act 1997*

Applicant:	The Austral Brick Company Pty Ltd
EPA Development Application number:	SR0376DA
Date application received by EPA:	19 December 2002
Date of decision:	26 February 2003
Relevant Laws and Policies:	<i>Environmental Protection Act 1994</i> and subordinate legislation
Jurisdiction:	Item 5 of Schedule 2 of the <i>Integrated Planning Regulation 1998</i>

Development Description:

Carrying out of Environmentally Relevant Activity (ERA):

20(c) 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 an authority, lease, licence or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 100 000 t or more per year

22(c) Screening etc. materials - Screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of more than 100 000 t or more a year

at the following place(s):

Part of Lot 1 RP854704

located at:

German Church Road, Redland Bay

Type of development

Material change of use of premises is:

- the start of a new use of the premises

Decision on Development Application

In deciding the application, the Environmental Protection Agency, as assessment manager approves all of the application and includes in the approval any concurrence agency conditions as a development permit.



Referral agencies

Concurrence Agencies: Nil
Advice Agencies: Nil
Referral Agencies: Nil

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 aware the activity is being carried out, give notice to the Environmental Protection Agency. A list of Notifiable Activities is provided within Schedule 2 of the *Environmental Protection Act 1994*.

Appeal

When issuing a decision notice under the *Integrated Planning Act 1997*, the assessment manager must state the rights of appeal for the applicant (section 3.5.15(2)(j)). The rights of appeal are attached to the back of this notice.

73(2)Irrelevant

17 APRIL 2003
Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

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R

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Signature of Accepting Officer _____ Date _____

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F



Development application decision notice

Section 3.5.11 and 3.5.15 *Integrated Planning Act 1997*

Applicant:	The Austral Brick Company Pty Ltd
EPA Development Application number:	SR0376DA
Date application received by EPA:	19 December 2002
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Development Description:

Carrying out of Environmentally Relevant Activity (ERA):

20(c) 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 an authority, lease, licence or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 100 000 t or more per year

22(c) Screening etc. materials - Screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of more than 100 000 t or more a year

at the following place(s):

Part of Lot 1 RP854704

located at:

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In deciding the application, the Environmental Protection Agency, as assessment manager approves all of the application and includes in the approval any concurrence agency conditions as a development permit.



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Advice Agencies: Nil
Referral Agencies: Nil

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 aware the activity is being carried out, give notice to the Environmental Protection Agency. A list of Notifiable Activities is provided within Schedule 2 of the *Environmental Protection Act 1994*.

Appeal

When issuing a decision notice under the *Integrated Planning Act 1997*, the assessment manager must state the rights of appeal for the applicant (section 3.5.15(2)(j)). The rights of appeal are attached to the back of this notice.

73(2)Irrelevant

17 APRIL 2003

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

Conditions of the development approval

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

The aforementioned description of the environmentally relevant activity (ERA) for which this development approval is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing this development 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 authorises the ERA. It does not authorise environmental harm unless a concurrence agency condition within this development approval explicitly authorises that harm. Where there is no condition or the development approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

- Schedule A - Activity
- Schedule B - Air
- Schedule C - Water
- Schedule D - Noise
- Schedule E - Waste
- Schedule F - Land
- Schedule G - Community
- Schedule H - Definitions
- Schedule I - Maps / Plans

Schedule A – Activity

Prevent and /or minimise likelihood of environmental harm

- (A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this approval.

NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of measures, plant and equipment

- (A2-1) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - maintain such measures, plant and equipment in a proper and efficient condition; and
 - operate such measures, plant and equipment in a proper and efficient manner.

Integrated Environmental Management System

- (A3-1) Prior to the commencement of any environmentally relevant activity ('the activities') under this environmental authority, the holder of this environmental authority must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (A3-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
 - Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 - Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.
- (A4) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Records

- (A5-1) 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.

Acid sulphate soil (ASS)

- (A7-1) You must comply with the latest edition of the Queensland Environmental Protection Agency's INSTRUCTIONS FOR THE TREATMENT AND MANAGEMENT OF ACID SULPHATE SOILS, 2001, produced by the Queensland Environmental Protection Agency in consultation with the Department of Natural Resources and Mines and the Department of Primary Industries.
- (A7-2) Acid sulphate soils must be managed such that contaminants are not directly or indirectly released, as a result of the activity, to any waters or the bed and banks of any waters.



Conditions of the development approval

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

The aforementioned description of the environmentally relevant activity (ERA) for which this development approval is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing this development 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.

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- Schedule A - Activity
- Schedule B - Air
- Schedule C - Water
- Schedule D - Noise
- Schedule E - Waste
- Schedule F - Land
- Schedule G - Community
- Schedule H - Definitions
- Schedule I - Maps / Plans

Schedule A – Activity

Prevent and /or minimise likelihood of environmental harm

- (A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this approval.

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- (A2-1) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - maintain such measures, plant and equipment in a proper and efficient condition; and
 - operate such measures, plant and equipment in a proper and efficient manner.

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- (A3-1) Prior to the commencement of any environmentally relevant activity ("the activities") under this environmental authority, the holder of this environmental authority must:
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 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (A3-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
 - Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 - Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.
- (A4) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Records

- (A5-1) 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.

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- (A7-2) Acid sulphate soils must be managed such that contaminants are not directly or indirectly released, as a result of the activity, to any waters or the bed and banks of any waters.

Storage and Handling of Flammable and Combustible Liquids

- (A8-1) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

Authorised site

- (A9-1) Environmentally relevant activities authorised under this authority must be undertaken at the site which is consistent with the Consent Order – Local Government of Queensland (L.G.A No.241 of 1985 as varied by Consent Order – Local Government of Queensland of 28 march 1991).

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Dust nuisance

- (B1-1) Subject to Conditions (B1-2) and (B1-3) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any dust sensitive or commercial place.
- (B1-2) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.
- (B1-3) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (B1-1):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 a dust sensitive or commercial place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;

or

-Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

NOTE: You must propose which monitoring method is appropriate in accordance with condition (B1-3) (a) or (b) or both.

Dust Control

- (B2-1) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (B2-2) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dusts suppressants and wind breaks.
- (B2-3) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Monitoring

- (C1-1) Monitoring must be undertaken and records kept of contaminant releases to waters from the discharge location for the parameters and not less frequently than specified in Schedule C Table 1. All determinations of the quality of contaminants released must be:
 - made in accordance with methods prescribed in the latest edition of the Environment Protection Agency Water Quality Sampling Manual; and
 - carried out on samples that are representative of the discharge.

Schedule C - Table 1 (Release limits)

*Monitoring point	Quality characteristics	Release Limits		Monitoring frequency
		Minimum	Maximum	
RB1 RB2 RB3	pH	6.5	9.0	Event release
	TSS (mg/L)	-	50mg/l	Event release

* Refer to Appendix 1 Figure 2 of Integrated Authority SR2484 for monitoring locations.

END OF CONDITIONS FOR SCHEDULE C

Storage and Handling of Flammable and Combustible Liquids

- (A8-1) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

Authorised site

- (A9-1) Environmentally relevant activities authorised under this authority must be undertaken at the site which is consistent with the Consent Order – Local Government of Queensland (L.G.A No.241 of 1985 as varied by Consent Order – Local Government of Queensland of 28 march 1991).

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Dust nuisance

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- (B1-2) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.
- (B1-3) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (B1-1):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 a dust sensitive or commercial place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;
- or

-Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

NOTE: You must propose which monitoring method is appropriate in accordance with condition (B1-3) (a) or (b) or both.

Dust Control

- (B2-1) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (B2-2) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dust suppressants and wind breaks.
- (B2-3) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR SCHEDULE B

Schedule C - Water

Monitoring

- (C1-1) Monitoring must be undertaken and records kept of contaminant releases to waters from the discharge location for the parameters and not less frequently than specified in Schedule C Table 1. All determinations of the quality of contaminants released must be:
- made in accordance with methods prescribed in the latest edition of the Environment Protection Agency Water Quality Sampling Manual; and
 - carried out on samples that are representative of the discharge.

Schedule C - Table 1 (Release limits)

*Monitoring point	Quality characteristics	Release Limits		Monitoring frequency
		Minimum	Maximum	
RB1	pH	6.5	9.0	Event release
RB2 RB3	TSS (mg/L)	-	50mg/l	Event release

* Refer to Appendix 1 Figure 2 of Integrated Authority SR2484 for monitoring locations.

END OF CONDITIONS FOR SCHEDULE C

Schedule D - Noise and vibration

Noise nuisance

- (D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (D1-2) All noise from activities must not exceed the levels specified in Schedule D - Table 1 and 2 at any noise affected premises.

Schedule D - Table 1 (Noise limits)

Noise level dB(A) measured as	Monday to Friday	Monday to Friday	Saturday
	6am – 7am	7am - 6pm	7am – 4pm
Noise measured at a 'Noise sensitive place'			
L _{A10} , adj, 10 mins	b/g + 3	b/g + 5	b/g + 5
L _{A1} , adj, 10 mins	b/g + 5	b/g + 10	b/g + 10
Noise measured at a 'Commercial place'			
L _{A10} , adj, 10 mins	b/g + 8	b/g + 10	b/g + 10
L _{A1} , adj, 10 mins	b/g + 10	b/g + 15	b/g + 15

Schedule D - Table 2 (Airblast Overpressure Level)

Location	Monday to Friday 9 am - 3 pm	Saturday, Sundays and public holidays
	Air blast overpressure level is no more than 115 db (Lin) Peak for four (4) out of five (5) consecutive blasts initiated and not greater than 120 db (Lin) Peak at any time.	No blasting to occur

Note: The method of measurement and reporting of over pressure levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.

Noise monitoring

- (D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. 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; and
 - location, date and time of recording.
- (D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.



Vibration nuisance

- (D3-1) Vibration emitted from activities must not cause a nuisance at any vibration sensitive place.
- (D3-2) Vibration emitted from activities must not exceed the levels specified in Schedule D - Table 3 at any vibration sensitive place.

Schedule D - Table 3 (Vibration limits)

Location	Vibration measured	
	Monday to Friday 9 am - 3 pm	Saturday, Sundays and public holidays
Vibration sensitive or commercial place	5mm/s peak particle velocity for nine (9) out of ten (10) consecutive blasts and not greater than 10 mm/s peak particle velocity at any time	No blasting

Note: The method of measurement and reporting of vibration levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.

Vibration monitoring

- (D4-1) When requested by the Administering Authority, vibration monitoring and recording must be undertaken to investigate any complaint of nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. Monitoring must include:
- peak particle velocity (mm/s); and
 - location of the blast/s within the site (including which bench level); and
 - atmospheric conditions including temperature, relative humidity and wind speed and direction; and
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors; and
 - location, date and time of recording.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Waste

General

- E1-1 The holder of this development approval must not:
- burn waste at or on the authorised place; or
 - allow waste to burn at or on the authorised place; or
 - remove waste from the authorised place and burn such waste elsewhere.

END OF CONDITIONS FOR SCHEDULE E

Schedule D - Noise and vibration

Noise nuisance

- (D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (D1-2) All noise from activities must not exceed the levels specified in Schedule D - Table 1 and 2 at any noise affected premises.

Schedule D - Table 1 (Noise limits)

Noise level dB(A) measured as	Monday to Friday	Monday to Friday	Saturday
	6am – 7am	7am - 6pm	7am – 4pm
	Noise measured at a 'Noise sensitive place'		
L _{A10} , adj, 10 mins	b/g + 3	b/g + 5	b/g + 5
L _{A1} , adj, 10 mins	b/g + 5	b/g + 10	b/g + 10
	Noise measured at a 'Commercial place'		
L _{A10} , adj, 10 mins	b/g + 8	b/g + 10	b/g + 10
L _{A1} , adj, 10 mins	b/g + 10	b/g + 15	b/g + 15

Schedule D - Table 2 (Airblast Overpressure Level)

Location	Monday to Friday 9 am - 3 pm	Saturday, Sundays and public holidays
	Air blast overpressure level is no more than 115 db (Lin) Peak for four (4) out of five (5) consecutive blasts initiated and not greater than 120 db (Lin) Peak at any time.	No blasting to occur

Note: The method of measurement and reporting of over pressure levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.

Noise monitoring

- (D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. 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; and
 - location, date and time of recording.
- (D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

Vibration nuisance

- (D3-1) Vibration emitted from activities must not cause a nuisance at any vibration sensitive place.
- (D3-2) Vibration emitted from activities must not exceed the levels specified in Schedule D - Table 3 at any vibration sensitive place.

Schedule D - Table 3 (Vibration limits)

Location	Vibration measured	
	Monday to Friday 9 am - 3 pm	Saturday, Sundays and public holidays
Vibration sensitive or commercial place	5mm/s peak particle velocity for nine (9) out of ten (10) consecutive blasts and not greater than 10 mm/s peak particle velocity at any time	No blasting

Note: The method of measurement and reporting of vibration levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.

Vibration monitoring

- (D4-1) When requested by the Administering Authority, vibration monitoring and recording must be undertaken to investigate any complaint of nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. Monitoring must include:
- peak particle velocity (mm/s); and
 - location of the blast/s within the site (including which bench level); and
 - atmospheric conditions including temperature, relative humidity and wind speed and direction; and
 - the level and frequency of occurrence of impulsive or tonal noise;
 - atmospheric conditions including wind speed and direction;
 - effects due to extraneous factors; and
 - location, date and time of recording.

END OF CONDITIONS FOR SCHEDULE D

Schedule E - Waste

General

- E1-1 The holder of this development approval must not:
- (i) burn waste at or on the authorised place; or
 - (ii) allow waste to burn at or on the authorised place; or
 - (iii) remove waste from the authorised place and burn such waste elsewhere.

END OF CONDITIONS FOR SCHEDULE E

Schedule F - Land

Rehabilitation landform criteria

- (F1-1) All areas significantly disturbed by activities must be rehabilitated in accordance with Part 3 Schedule F – Table 1.

Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule)

Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
Mine void	17.2	To be determined
Sediment traps / water basins	1	Wetland Type 1
Roads	0.8	No rehabilitation required - retain
Buffer	4	Native ecosystem

Rehabilitation Outcome – To be determined

- (F3-1) The final land use of mine voids is to be determined by a Planning Use Study which is to be consistent with any Planning Scheme and any rehabilitation outcome.
- (F3-2) The Planning Use Study report must be submitted to the administering authority by 30 June 2005.

Rehabilitation Outcome – Wetland Type 1 (rehabilitated sediment dams)

- (F5-1) Areas that are to be rehabilitated to wetland type 1 outcome will be considered rehabilitated when the dams are revegetated with species appropriate to filter contaminants from the water, and water discharges from the dams do not exceed the total suspended solids value of the inflow to the pond.

Buffers

- (F7-1) There must be no extractive activities conducted in the buffer zones identified in Appendix 1 Figure 2 of Integrated Authority SR 2484 other than for construction of amenity banks, environmental control works and activities involved with access or provision of services to the extractive area.

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Community

Complaint response

- (G1-1) 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.

END OF CONDITIONS FOR SCHEDULE G

Schedule H - Definitions

Words and phrases used throughout this licence or development approval are defined below:
Where a definition for a term used in this approval is sought and the term is not defined within this approval the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

Word Definitions

"acceptance criteria" means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

"administering authority" means the Environmental Protection Agency or its successor.

"airblast overpressure" means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

"annual return" means the return required by the annual notice (under section 316 of the Environment Protection Act, 1994) for the section 86(2) licence that applies to the development approval.

"authorised place" means the place authorised under this environmental authority/development approval for the carrying out of the specified environmentally relevant activities.

"authority" means level 1 licence (without development approval), or level 1 approval (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994*.

"this authority" means this environmental authority/development approval.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

"blasting" means the use of explosive materials to fracture-

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse

"commercial place" means a place used as an office or for business or commercial purposes, other than a place within boundaries of the operational land.

"dam" means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.

Schedule F - Land

Rehabilitation landform criteria

- (F1-1) All areas significantly disturbed by activities must be rehabilitated in accordance with Part 3 Schedule F – Table 1.

Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule)

Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
Mine void	17.2	To be determined
Sediment traps / water basins	1	Wetland Type 1
Roads	0.8	No rehabilitation required - retain
Buffer	4	Native ecosystem

Rehabilitation Outcome – To be determined

- (F3-1) The final land use of mine voids is to be determined by a Planning Use Study which is to be consistent with any Planning Scheme and any rehabilitation outcome.
- (F3-2) The Planning Use Study report must be submitted to the administering authority by 30 June 2005.

Rehabilitation Outcome – Wetland Type 1 (rehabilitated sediment dams)

- (F5-1) Areas that are to be rehabilitated to wetland type 1 outcome will be considered rehabilitated when the dams are revegetated with species appropriate to filter contaminants from the water, and water discharges from the dams do not exceed the total suspended solids value of the inflow to the pond.

Buffers

- (F7-1) There must be no extractive activities conducted in the buffer zones identified in Appendix 1 Figure 2 of Integrated Authority SR 2484 other than for construction of amenity banks, environmental control works and activities involved with access or provision of services to the extractive area.

END OF CONDITIONS FOR SCHEDULE F

Schedule G - Community

Complaint response

- (G1-1) 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.

END OF CONDITIONS FOR SCHEDULE G



Schedule H - Definitions

Words and phrases used throughout this licence or development approval are defined below:

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Word Definitions

"acceptance criteria" means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

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"this authority" means this environmental authority/development approval.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

"blasting" means the use of explosive materials to fracture-

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse

"commercial place" means a place used as an office or for business or commercial purposes, other than a place within boundaries of the operational land.

"dam" means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.



"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.

"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.

"event release" means when water is released and which must occur at least four times per year.

"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.

"land use" term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"L_A 10, 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.

"L_A 1, 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.

"mg/L" means milligrams per litre.

"nuisance sensitive place" includes -

- a dwelling, residential allotment, 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 under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
 - a public thoroughfare, park or gardens; or
 - a place used as a workplace, an office or for business or commercial purposes.
- and includes a place within the curtilage of such a place reasonably used by persons at that place.



"noise affected premises" means a "noise sensitive place" or a "commercial place"

"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.
- and includes the curtilage of such place.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"open area" means those parts of the mining lease that are cleared in preparation for, or to conduct mining, but have not had *rehabilitation* commence. Open area excludes permanent roads and fixed plant.

"peak particle velocity (ppv)" means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms-1).

"progressive rehabilitation" means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

"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.

"rehabilitation" the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

"self sustaining" means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

"site" means the place to which this environmental authority relates or the premises to which this development approval relates.

"stable" means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

"significant disturbance" – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant environmental authority; or
 - ii. if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

"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
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"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

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" $L_{A1, \text{adj}, 10 \text{ mins}}$ " 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.

"mg/L" means milligrams per litre.

"nuisance sensitive place" includes -

- a dwelling, residential allotment, 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 under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
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"stable" means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

"significant disturbance" – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant environmental authority; or
 - ii. if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

"trivial harm" means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5000.

"vibration sensitive place" means a noise sensitive place or a commercial place.

"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 groundwater and any part thereof.

"you" means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Development Approval.

END OF DEFINITIONS FOR SCHEDULE H

END OF DEVELOPMENT APPROVAL

Extract from the *Integrated Planning Act 1997*

Division 8—Appeals to court relating to development applications

Appeals by applicants

- 4.1.27 (1) An applicant for a development application may appeal to the court against any of the following -
- (a) the refusal, or the refusal in part, of a development application;
 - (b) a matter stated in a development approval, including any condition applying to the development, and the identification of a code under section 3.1.6;
 - (c) the decision to give a preliminary approval when a development permit was applied for;
 - (d) the length of a currency period;
 - (e) a deemed refusal.
- (2) An appeal under subsection (1)(a) to (d) must be started within 20 business days (the “**applicant’s appeal period**”) after the day the decision notice or negotiated decision notice is given to the applicant.
- (3) An appeal under subsection (1)(e) may be started at any time after the last day a decision on the matter should have been made.

Appeals by submitters

- 4.1.28 (1) A submitter for a development application may appeal to the court about -
- (a) the giving of a development approval, including any conditions (or lack of conditions) or other provisions of the approval; or
 - (b) the length of a currency period for the approval.
- (2) The appeal must be started within 20 business days (the “**submitter’s appeal period**”) after the day the decision notice or negotiated decision notice is given to the submitter.
- (3) If a person withdraws a submission before the application is decided, the person may not appeal the decision.
- (4) If an application involves both impact assessment and code assessment, appeal rights for submitters are available only for the part of the application involving impact assessment.

Appeals by advice agency submitters

- 4.1.29 (1) An advice agency may, within the limits of its jurisdiction, appeal to the court about the giving of a development approval for a development application if -
- (a) the development application involves impact assessment; and
 - (b) the advice agency told the applicant and the assessment manager to treat its response to the application as a submission for an appeal.
- (2) The appeal must be started within 20 business days after the day the decision notice or negotiated notice is given to the advice agency as a submitter.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

"trivial harm" means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5000.

"vibration sensitive place" means a noise sensitive place or a commercial place.

"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 groundwater and any part thereof.

"you" means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Development Approval.

END OF DEFINITIONS FOR SCHEDULE H

END OF DEVELOPMENT APPROVAL

Extract from the *Integrated Planning Act 1997*

Division 8—Appeals to court relating to development applications

Appeals by applicants

- 4.1.27 (1) An applicant for a development application may appeal to the court against any of the following -
- (a) the refusal, or the refusal in part, of a development application;
 - (b) a matter stated in a development approval, including any condition applying to the development, and the identification of a code under section 3.1.6;
 - (c) the decision to give a preliminary approval when a development permit was applied for;
 - (d) the length of a currency period;
 - (e) a deemed refusal.
- (2) An appeal under subsection (1)(a) to (d) must be started within 20 business days (the “**applicant’s appeal period**”) after the day the decision notice or negotiated decision notice is given to the applicant.
- (3) An appeal under subsection (1)(e) may be started at any time after the last day a decision on the matter should have been made.

Appeals by submitters

- 4.1.28 (1) A submitter for a development application may appeal to the court about -
- (a) the giving of a development approval, including any conditions (or lack of conditions) or other provisions of the approval; or
 - (b) the length of a currency period for the approval.
- (2) The appeal must be started within 20 business days (the “**submitter’s appeal period**”) after the day the decision notice or negotiated decision notice is given to the submitter.
- (3) If a person withdraws a submission before the application is decided, the person may not appeal the decision.
- (4) If an application involves both impact assessment and code assessment, appeal rights for submitters are available only for the part of the application involving impact assessment.

Appeals by advice agency submitters

- 4.1.29 (1) An advice agency may, within the limits of its jurisdiction, appeal to the court about the giving of a development approval for a development application if -
- (a) the development application involves impact assessment; and
 - (b) the advice agency told the applicant and the assessment manager to treat its response to the application as a submission for an appeal.
- (2) The appeal must be started within 20 business days after the day the decision notice or negotiated notice is given to the advice agency as a submitter.

Appeals for matters arising after approval given (co-respondents)

- 4.1.30 (1) For a development approval given for a development application, a person to whom any of the following notices have been given may appeal to the court against the decision in the notice -
- (a) a notice giving a decision on a request for an extension of the currency period for an approval;
 - (b) a notice giving a decision on a request to make a minor change to an approval.
- (2) The appeal must be started within 20 business days after the day the notice of the decision is given to the person.
- (3) Subsection (1)(a) does not apply if the approval resulted from a development application (superseded planning scheme) that was assessed as if it were an application made under a superseded planning scheme.

Division 9 - Appeals to court about other matters

Appeals for matters arising after approval given (no co-respondents)

- 4.1.31 (1) A person to whom any of the following notices have been given may appeal to the court against the decision in the notice -
- (a) a notice giving a decision on a request to change or cancel a condition of a development approval;
 - (b) a notice under section 6.1.44 giving a decision to change or cancel a condition of a development approval.
- (2) The appeal must be started within 20 business days after the day the notice of the decision is given to the person.

Appeals against enforcement notices

- 4.1.32 (1) A person who is given an enforcement notice may appeal to the court against the giving of the notice.
- (2) The appeal must be started within 20 business days after the day notice is given to the person.

Stay of operation of enforcement notice

- 4.1.33 (1) The lodging of a notice of appeal about an enforcement notice stays the operation of the enforcement notice until -
- (a) the court, on the application of the entity issuing the notice, decides otherwise; or
 - (b) the appeal is withdrawn; or
 - (c) the appeal is dismissed.
- (2) However, subsection (1) does not apply if the enforcement notice is about -
- (a) a work, if the enforcement notice states the entity believes the work is a danger to persons or a risk to public health; or
 - (b) carrying out development that is the demolition of a work.

Appeals against decisions on compensation claims

- 4.1.34 (1) A person who is dissatisfied with a decision under section 5.4.8 or 5.5.3 for the payment of compensation may appeal to the court against -
- (a) the decision; or
 - (b) a deemed refusal of the claim.
- (2) An appeal under subsection (1)(a) must be started with 20 business days after the day notice of the decision is given to the person.
- (3) An appeal under subsection (1)(b) may be started at any time after the last day a decision on the matter should have been made.

Appeals against decisions on requests to acquire designated land under hardship

- 4.1.35 (1) A person who is dissatisfied with a designator's decision to refuse a request made by the person under section 2.6.19, may appeal to the court against -
- (a) the decision; or
 - (b) a deemed refusal of the request.
- (2) An appeal under subsection (1)(a) must be started within 20 business days after the day notice of the decision is given to the person.
- (3) An appeal under subsection (1)(b) may be started at any time after the last day a decision on the matter should have been made.

Appeals from tribunals

- 4.1.37 (1) A party to a proceeding decided by a tribunal may appeal to the court against the tribunal's decision, but only on the ground -
- (a) of error or mistake in law on the part of the tribunal; or
 - (b) that the tribunal had no jurisdiction to make the decision or exceeded its jurisdiction in making the decision.
- (2) An appeal against a tribunal's decision must be started within 20 business days after the day notice of the tribunal's decision is given to the party.

Court may remit matter to tribunal

- 4.1.38 If an appeal includes a matter within the jurisdiction of a tribunal and the court is satisfied the matter should be dealt with by a tribunal, the court must remit the matter to the tribunal for decision.

Division 10 - Making an appeal to court

How appeals to the court are started

- 4.1.39 (1) An appeal is started by lodging written notice of appeal with the registrar of the court.
- (2) The notice of appeal must state the grounds of the appeal.
 - (3) The person starting the appeal must also comply with the rules of the court applying to the appeal.
 - (4) However, the court may hear and decide an appeal even if the person has not complied with subsection (3).

Appeals for matters arising after approval given (co-respondents)

- 4.1.30 (1) For a development approval given for a development application, a person to whom any of the following notices have been given may appeal to the court against the decision in the notice -
- (a) a notice giving a decision on a request for an extension of the currency period for an approval;
 - (b) a notice giving a decision on a request to make a minor change to an approval.
- (2) The appeal must be started within 20 business days after the day the notice of the decision is given to the person.
- (3) Subsection (1)(a) does not apply if the approval resulted from a development application (superseded planning scheme) that was assessed as if it were an application made under a superseded planning scheme.

Division 9 - Appeals to court about other matters

Appeals for matters arising after approval given (no co-respondents)

- 4.1.31 (1) A person to whom any of the following notices have been given may appeal to the court against the decision in the notice -
- (a) a notice giving a decision on a request to change or cancel a condition of a development approval;
 - (b) a notice under section 6.1.44 giving a decision to change or cancel a condition of a development approval.
- (2) The appeal must be started within 20 business days after the day the notice of the decision is given to the person.

Appeals against enforcement notices

- 4.1.32 (1) A person who is given an enforcement notice may appeal to the court against the giving of the notice.
- (2) The appeal must be started within 20 business days after the day notice is given to the person.

Stay of operation of enforcement notice

- 4.1.33 (1) The lodging of a notice of appeal about an enforcement notice stays the operation of the enforcement notice until -
- (a) the court, on the application of the entity issuing the notice, decides otherwise; or
 - (b) the appeal is withdrawn; or
 - (c) the appeal is dismissed.
- (2) However, subsection (1) does not apply if the enforcement notice is about -
- (a) a work, if the enforcement notice states the entity believes the work is a danger to persons or a risk to public health; or
 - (b) carrying out development that is the demolition of a work.



Appeals against decisions on compensation claims

- 4.1.34 (1) A person who is dissatisfied with a decision under section 5.4.8 or 5.5.3 for the payment of compensation may appeal to the court against -
- (a) the decision; or
 - (b) a deemed refusal of the claim.
- (2) An appeal under subsection (1)(a) must be started with 20 business days after the day notice of the decision is given to the person.
- (3) An appeal under subsection (1)(b) may be started at any time after the last day a decision on the matter should have been made.

Appeals against decisions on requests to acquire designated land under hardship

- 4.1.35 (1) A person who is dissatisfied with a designator's decision to refuse a request made by the person under section 2.6.19, may appeal to the court against -
- (a) the decision; or
 - (b) a deemed refusal of the request.
- (2) An appeal under subsection (1)(a) must be started within 20 business days after the day notice of the decision is given to the person.
- (3) An appeal under subsection (1)(b) may be started at any time after the last day a decision on the matter should have been made.

Appeals from tribunals

- 4.1.37 (1) A party to a proceeding decided by a tribunal may appeal to the court against the tribunal's decision, but only on the ground -
- (a) of error or mistake in law on the part of the tribunal; or
 - (b) that the tribunal had no jurisdiction to make the decision or exceeded its jurisdiction in making the decision.
- (2) An appeal against a tribunal's decision must be started within 20 business days after the day notice of the tribunal's decision is given to the party.

Court may remit matter to tribunal

- 4.1.38 If an appeal includes a matter within the jurisdiction of a tribunal and the court is satisfied the matter should be dealt with by a tribunal, the court must remit the matter to the tribunal for decision.

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- 4.1.39 (1) An appeal is started by lodging written notice of appeal with the registrar of the court.
- (2) The notice of appeal must state the grounds of the appeal.
 - (3) The person starting the appeal must also comply with the rules of the court applying to the appeal.
 - (4) However, the court may hear and decide an appeal even if the person has not complied with subsection (3).

Certain appellants must obtain information about submitters

- 4.1.40 (1) If the applicant or a submitter for a development application appeals about the part of the application involving impact assessment, the appellant must ask the assessment manager to give the appellant the name and address of each principal submitter who made a properly made submission about the application and has not withdrawn the submission.
- (2) The assessment manager must give the information requested under subsection (1) as soon as practicable.

Notice of appeal to other parties (div 8)

- 4.1.41 (1) An appellant under division 8 must, within 10 business days after the day the appeal is started (or if information is requested under section 4.1.40, within 10 business days after the day the appellant is given the information) give written notice of the appeal to -
- (a) if the appellant is an applicant - the assessment manager, any concurrence agency, any principal submitter whose submission has not been withdrawn and any advice agency treated as a submitter whose submission has not been withdrawn; or
 - (b) if the appellant is a submitter or an advice agency whose response to the development application is treated as a submission for an appeal - the assessment manager, the applicant and any concurrence agency; or
 - (c) if the appellant is a person to whom a notice mentioned in section 4.1.30 has been given - the assessment manager and any entity that was a concurrence agency for the development application.
- (2) The notice must state -
- (a) the grounds of the appeal; and
 - (b) if the person given the notice is not the respondent or a co-respondent under section 4.1.43 - that the person, within 10 business days after the day the notice is given, may elect to become a co-respondent to the appeal.

Notice of appeal to other parties (div 9)

- 4.1.42 (1) An appellant under division 9 must, within 10 business days after the day the appeal is started give written notice of the appeal to -
- (a) if the appellant is a person to whom a notice mentioned in section 4.1.31⁷³ has been given - the entity that gave the notice; or
 - (b) if the appellant is a person to whom an enforcement notice is given - the entity that gave the notice and if the entity is not the local government, the local government; or
 - (c) if the appellant is a person dissatisfied with a decision about compensation - the local government that decided the claim; or
 - (d) if the appellant is a person dissatisfied with a decision about acquiring designated land - the designator; or
 - (e) if the appellant is a person who is disqualified as a private certifier - the entity disqualifying the person and if the entity disqualifying the person is not the accrediting body, the accrediting body; or
 - (f) if the appellant is a party to a proceeding decided by a tribunal - the other party to the proceeding.
- (2) The notice must state the grounds of the appeal.



Respondent and co-respondents for appeals under div 8

- 4.1.43 (1) This section applies to appeals under division 8 for a development application.
- (2) The assessment manager is the respondent for the appeal.
- (3) If the appeal is started by a submitter, the applicant is a co-respondent for the appeal.
- (4) If the appeal is about a concurrence agency response, the concurrence agency is a co-respondent for the appeal.
- (5) If the appeal is only about a concurrence agency response, the assessment manager may apply to the court to withdraw from the appeal.
- (6) The respondent and any co-respondents for an appeal are entitled to be heard in the appeal as a party to the appeal.
- (7) A person to whom a notice of appeal is required to be given under section 4.1.41 and who is not the respondent or a co-respondent for the appeal may elect to be a co-respondent.

Respondent and co-respondents for appeals under div 9

- 4.1.44 (1) This section applies if an entity is required under section 4.1.42 to be given a notice of an appeal.
- (2) The entity given written notice is the respondent for the appeal.
- (3) However, if under a provision of the section more than 1 entity is required to be given notice, only the first entity mentioned in the provision is the respondent.
- (4) The second entity mentioned in the provision may elect to be a co-respondent.

How a person may elect to be co-respondent

- 4.1.45 (1) An entity elects to be a co-respondent by lodging in the court, within 10 business days after the day the notice of the appeal is given to the entity, a notice of election under the rules of court.
- (2) If a principal submitter is entitled to elect to become a co-respondent, any other submitter for the submission may also elect to become a co-respondent to the appeal.

Minister entitled to be represented in an appeal involving a State interest

- 4.1.46 If the Minister is satisfied that an appeal involves a State interest, the Minister is entitled to be represented in the appeal.

Lodging appeal stops certain actions

- 4.1.47 (1) If an appeal (other than an appeal under section 4.1.30) is started under division 8, the development must not be started until the appeal is decided or withdrawn.
- (2) Despite subsection (1), if the court is satisfied the outcome of the appeal would not be affected if the development or part of the development is started before the appeal is decided, the court may allow the development or part of the development to start before the appeal is decided.

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- 4.1.40 (1) If the applicant or a submitter for a development application appeals about the part of the application involving impact assessment, the appellant must ask the assessment manager to give the appellant the name and address of each principal submitter who made a properly made submission about the application and has not withdrawn the submission.
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- (a) if the appellant is an applicant - the assessment manager, any concurrence agency, any principal submitter whose submission has not been withdrawn and any advice agency treated as a submitter whose submission has not been withdrawn; or
 - (b) if the appellant is a submitter or an advice agency whose response to the development application is treated as a submission for an appeal - the assessment manager, the applicant and any concurrence agency; or
 - (c) if the appellant is a person to whom a notice mentioned in section 4.1.30 has been given - the assessment manager and any entity that was a concurrence agency for the development application.
- (2) The notice must state -
- (a) the grounds of the appeal; and
 - (b) if the person given the notice is not the respondent or a co-respondent under section 4.1.43 - that the person, within 10 business days after the day the notice is given, may elect to become a co-respondent to the appeal.

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 - (b) if the appellant is a person to whom an enforcement notice is given - the entity that gave the notice and if the entity is not the local government, the local government; or
 - (c) if the appellant is a person dissatisfied with a decision about compensation - the local government that decided the claim; or
 - (d) if the appellant is a person dissatisfied with a decision about acquiring designated land - the designator; or
 - (e) if the appellant is a person who is disqualified as a private certifier - the entity disqualifying the person and if the entity disqualifying the person is not the accrediting body, the accrediting body; or
 - (f) if the appellant is a party to a proceeding decided by a tribunal - the other party to the proceeding.
- (2) The notice must state the grounds of the appeal.



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39

R S A Cover Sheet

Type of Approval: SECTION 55(2) - EXTENSION OF TIME FOR
DECISION ON APPLICATION

☒ Environmental Protection Act ☐ Integrated Planning Act ☐ Environmental Protection Regulations
☐ Noise EPP ☐ Air EPP ☐ Water EPP

Name: THE AVONAL BRICK COMPANY

SITE address: 105 GARDNER ROAD ROCKDALE
103 RIVERVIEW ROAD RIVERVIEW
GERMAN CHURCH ROAD REDLAND BAY
AUSTAL SE QUEENSLAND PROJECT

Contact Officer: M BUCHANAN

Licence No.: SR 2484 **FILE NUMBER:** STH 3748

☒ Approved ☐ Deferred ☐ Not Approved

Decision: Approved as submitted

Manager's Signature: 73(2) Irrelevant Approved: 15/1/03 Date Posted: 16/1/03

Registered Post No. _____ Date Faxed: 15/1/03

OFFICE USE ONLY

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



Notice of extension of decision period

Section 555 *Environmental Protection Act 1994*

This statutory notice is issued by the administering authority pursuant to section 555 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquires to : Matthew Buchanan
Telephone : 07 3224 6349
Your reference :
Our reference : SR2484

The Austral Brick Company
105 Gardner Road
ROCHEDALE QLD 4123

Attention: Mr Rod Clark

Re: Application for an integrated authority by The Austral Brick Company to carry out Environmentally Relevant Activities 17 (fuel burning); 20(c) (extraction of rock or other material); 22(c)(screening etc materials); 61 (clay or ceramic products manufacturing) and 75(a)(vi)(waste disposal) and Application for Amendment of Environmental Authority (Mining Activities) for mining leases 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50015, 50165 and 50189.

The administering authority requires an extension of time to decide the above mentioned applications. A decision on the applications will be made by 5 February 2003.

The extension of time is required for the following reasons:

To allow for the application for environmental authority (with development approval) that has been made for the Redlands extraction project, and that forms part of the integrated authority application, to be assessed and included in the integrated authority.

You may apply to the administering authority for a review of this decision within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the *Environmental Protection Act 1994* is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

15 January 2003

Signed

Date

Peter Smith
A/ Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

R

Extracts from the Act Regarding Reviews and Appeals

Procedure for review

521.

- (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) On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision-
 - (a) notice of the application (the "review notice");
 - (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, within 14 days after receiving the application-
 - (a) review the original decision;
 - (b) consider any submissions properly made by a recipient of the review notice; and
 - (c) 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 subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.



Stay of operation of original decisions

522.

- (1) If an application is made for review of an original decision, the applicant may immediately apply for a stay of the decision to-
 - (a) for an original decision mentioned in schedule 1, part 1 - the tribunal; or
 - (b) for an original decision mentioned in schedule 1, part 2 - the Court.
- (2) The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.
- (3) A stay may be given on conditions the tribunal or Court considers appropriate and has effect for the period stated by the tribunal or Court.
- (4) The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or Court allows the applicant to appeal against the review decision.

Who may appeal

531.

- (1) A dissatisfied person who is dissatisfied with a review decision, other than a review decision to which subdivision 1 applies, 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 521 does not apply may appeal against the decision to the Court.

**Request for Statutory Approval
Application No. SR2484**

**Notice of Extension Of Time For Decision On Environmental Authority Under
Section 555 Of The *Environmental Protection Act 1994***

Subject : The Austral Brick Company
Integrated Authority Application for various site and activities
Including amendment application for mining activities and licence (without
development approval)

File No. : STH3748

Decision Due Date : 15 January 2003

Summary:

Austral applied for an Environmental Authority on 22 November 2002 for Environmentally Relevant Activities 17, 20(c), 22(c), 61, 75a and mining activities.

Austral have applied to integrate the authorities for all existing operations.

Part of the Integrated Authority application is an application for development approval and licence (with development approval) for an extractive operation at Redlands. EPA is assessment manager for this application and has only recently been made aware of this.

Further time is required for the mining and licence (without development application) aspects of the IEMS licence so the development approval parts can be assessed.

Recommendation:

A Notice under Section 555 of the *Environmental Protection Act 1994* be sent to Austral to extend the statutory time to allow for a decision on the two applications to be made on the same day.

The proposed extension is until **5 February 2003**, v ; also the day that the development approval is due for decision.

73(2)Irrelevant

Contact Officer:

Matt Buchanan 73(2)Irrelevant
Principal Environmental Officer

73(2)Irrelevant

73(2)Irrelevant

Karen Hopper
A/ Operations Manager – Mining and Extractive
Southern Region

Fax



Queensland Government

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

To: Jim Brennan – The Austral Brick Company
Pty Ltd

Fax: (07) 3849 4028

From: Matt Buchanan

Telephone: (07) 3224 6349

Fax: (07) 3225 8723

E-mail:

Date: 15 January 2003

Pages: 4 (including this page)

Subject:

SORRY MISSED PAGE 2

Privacy and confidentiality notice

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* * * JOURNAL (15. JAN. 2003 14:53) * * *

TTI EPA SOUTHERN REGION 07 32258723

(MANUAL PRINT)

< T X >	DATE	TIME	ADDRESS	MODE	TIME	PAGE	RESULT	PERS. NAME	FILE
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2. JAN.	19:	55		G3ESM	8:36"	P. 20	OK		7152
3. JAN.	16:	56		G3ESM	0:20"	P. 2	OK		7153
6. JAN.	8:	51		G3ESM	0:30"	P. 1	OK		7154
	9:	02		G3ESM	0:37"	P. 1	OK		7155
	12:	52		G3ESM	0:30"	P. 1	OK		7158
	13:	21		G3ESM	0:45"	P. 4	OK		7159
	13:	43		G3ESM	0:47"	P. 2	OK		7160
	15:	55		G3ESM	0:21"	P. 2	OK		7161
7. JAN.	9:	20		G3ESM	1:19"	P. 6	OK		7162
	10:	45		G3ESM	0:36"	P. 4	OK		7163
	11:	21		G3ESM	0:34"	P. 1	OK		7164
	14:	09		G3ESM	0:58"	P. 3	OK		7166
8. JAN.	16:	22		G3ESM	0:24"	P. 2	OK		7167
	9:	31		G3ESM	0:27"	P. 3	OK		7170
	10:	05		G3ESM	2:55"	P. 6	OK		7171
	11:	17		G3ESM	1:01"	P. 7	OK		7172
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	10:	27		G3ESM	1:06"	P. 2	OK		7178
	12:	44		G3ESM	1:09"	P. 3	OK		7179
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	13:	55		G3ESM	0:51"	P. 3	OK		7189
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	16:	01		G3ESM	0:36"	P. 2	OK		7194
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	14:	57		G3ESM	0:56"	P. 2	OK		7197
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	14:	50		G3ESM	0:28"	P. 3	OK		7205
	14:	51		G3ESM	0:22"	P. 2	OK		7209

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M : MEMORY
S : STANDARD
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@ : FORWARDING
F : FINE
* : PC

P : POLLING
E : ECM
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% : PC DIRECT



Notice of extension of decision period

Section 555 *Environmental Protection Act 1994*

This statutory notice is issued by the administering authority pursuant to section 555 of the Environmental Protection Act 1994, to advise you of a decision or action.

Enquires to : Matthew Buchanan
Telephone : 07 3224 6349
Your reference :
Our reference : STH3748/SR2484

The Austral Brick Company
105 Gardner Road
ROCHEDALE QLD 4123

Attention: Mr Rod Clark

Re: Application for an integrated authority by The Austral Brick Company to carry out Environmentally Relevant Activities 17 (fuel burning); 20(c) (extraction of rock or other material); 22(c)(screening etc materials); 61 (clay or ceramic products manufacturing) and 75(a)(vi)(waste disposal) and Application for Amendment of Environmental Authority (Mining Activities) for mining leases 1151, 1152, 1156, 1165, 1167, 4578, 50035, 50015, 50165 and 50189.

The administering authority requires an extension of time to decide the above mentioned applications. A decision on the applications will be made by 5 February 2003.

The extension of time is required for the following reasons:

To allow for the application for environmental authority (with development approval) that has been made for the Redlands extraction project, and that forms part of the integrated authority application, to be assessed and included in the integrated authority.

You may apply to the administering authority for a review of this decision within 14 days after receiving this notice. You may also appeal against this decision to the Planning and Environment Court.

Information outlining the review and appeal processes under the *Environmental Protection Act 1994* is included with this notice. This information is intended as a guide only. You may have other legal rights and obligations.

73(2)Irrelevant

Signed

Date

Peter Smith
Acting Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

15 JANUARY 2003



Extracts from the Act Regarding Reviews and Appeals

Procedure for review

521.

- (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) On or before making the application, the applicant must send the following documents to the other persons who were given notice of the original decision-
 - (a) notice of the application (the "review notice");
 - (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, within 14 days after receiving the application-
 - (a) review the original decision;
 - (b) consider any submissions properly made by a recipient of the review notice; and
 - (c) 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 subsections (5) or (8), the authority is taken to have made a decision confirming the original decision.
- (11) Subsection (7) applies despite section *Acts Interpretation Act 1954*, section 27A.
- (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.

Stay of operation of original decisions

522.

- (1) If an application is made for review of an original decision, the applicant may immediately apply for a stay of the decision to-
 - (a) for an original decision mentioned in schedule 1, part 1 - the tribunal; or
 - (b) for an original decision mentioned in schedule 1, part 2 - the Court.
- (2) The tribunal or Court may stay the decision to secure the effectiveness of the review and any later appeal to the tribunal or Court.
- (3) A stay may be given on conditions the tribunal or Court considers appropriate and has effect for the period stated by the tribunal or Court.
- (4) The period of a stay must not extend past the time when the administering authority reviews the decision and any later period the tribunal or Court allows the applicant to appeal against the review decision.

Who may appeal

531.

- (1) A dissatisfied person who is dissatisfied with a review decision, other than a review decision to which subdivision 1 applies, 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 521 does not apply may appeal against the decision to the Court.

Application Number: SR2484

The Austral Brick Co Pty Ltd	
105 Gardner Road Rochedale 103 Riverview Road Riverview German Church Road Redland Bay Austel SE Queensland Project	21(b) Mining activities 20(c) Extracting rock or other material 22(c) Screening etc materials 61 Clay or ceramic products manufacturing 17 Fuel burning 75(a)(vi) Waste disposal
Date Received	15/11/2002
Additional Information (S556) Date received + 10 business days	25/11/2002
Application Date Date received + 10 business days	29/11/2002
Decision Due Application date + 20 business days S555 RSA39	5/02/2003
Notification of Decision Decision date + 8 business days	17/02/2003
File Number	
Assessing Officer	

R

Amendment to convert transitional mining licence

EA No.	ML1151	ML50015
	ML1152	ML50165
The Austral Brick Co Pty Ltd	ML1156	ML50189
Austel SE Qld Project	ML1165	
	ML1167	
	ML4578	
	ML50035	

Date received	15/11/2002		
Response required by	5/02/2003	10 Business days	Extended RSA39

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**Queensland Government****Environmental Protection Agency
Queensland Parks and Wildlife Service**

Southern Regional Office (Brisbane)
GPO Box 2771 BRISBANE QLD 4001
Phone: (07) 3224 5641 Fax: (07) 3225 8723
www.env.qld.gov.au ABN: 87221158786

Integrated Authority No. SR2484

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:**

The Austral Brick Company Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

**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 24 April.

This integrated authority takes effect from 24 April 2003.

Signed

Date

Peter Smith
Acting Manager (Licensing)
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.

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

Part 1: Licence (with development approval) (Section 86)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
Part 1 all schedules	20(c)	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 an authority, lease, licence or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 100,000 t or more a year.	Part of Lot 1	RP854704	Parish of Redland German Church Road REDLAND BAY
Part 1 all schedules	22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of 100,000 tonnes or more a year.	Part of Lot 1	RP854704	Parish of Redland German Church Road REDLAND BAY

Part 2: Licences (without development approval) (Section 93)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
ROCHEDALE PLANT					
Part 2 all schedules Part 4 all schedules	17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
Part 2 all schedules Part 4 all schedules	61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
Part 2 all schedules Part 4 all schedules	75(a)(vi)	Waste disposal - operating a facility for disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of 50 000 t or more, but less than 75 000 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE



RIVERVIEW PLANT					
Part 2 all schedules Part 4 all schedules	17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW
Part 2 all schedules Part 4 all schedules	22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of 100,000 t or more a year.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW
Part 2 all schedules Part 4 all schedules	61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW

Part 3: Environmental authority (mining lease) (Section 258)

Applicable Part & Schedule(s)	ERA No.	ERA name	Mining Lease Number	Location
Part 3 all schedules Part 4 all schedules		Section 18(a) of the <i>Environmental Protection Act 1994</i> : Mining Activities Schedule 6 of the <i>Environmental Protection Regulation 1998</i> . Item 11B: mining activities, other than a standard mining activity, carried out using equipment and plant having a mineral ore throughput of more than 100,000t during a year but less than 500,000t a year.	1167	Douglas Street OXLEY
			1151	Gardner Road ROCHEDALE
			1152	Ford Road BURBANK
			1156	Gardner Road ROCHEDALE
			1165	Gardner Road ROCHEDALE
			50165	Gardner Road ROCHEDALE
			50189	Gardner Road ROCHEDALE
			50035	German Church Road REDLAND BAY
			4578	Patrick Street SWANBANK
			50115	Whitwood Road NEW CHUM

Part 4: Conditions common to Parts 2 and 3

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
ROCHEDALE PLANT, RIVERVIEW PLANT and ALL MINING LEASES					
Parts 2 and 3 - all schedules Part 4		All ERAs listed in Parts 2 and 3			All locations listed in Parts 2 and 3

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 integrated authority incorporates the following parts:

R



- Part 1 - Licence (with development approval)
- Part 2 - Licences (without development approval)
- Part 3 - Environmental authority (mining lease)
- Part 4 - Conditions applicable to both Part 2 (Licences [Without Development Approval][Section 93]) AND Part 3 (Environmental Authority [Mining Lease] [Section 258])

Each part consists of conditions relevant to various issues.

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PART 1 - LICENCE(S) (WITH DEVELOPMENT APPROVAL) (Section 86)

Applicable Sites – German Church Road Extractive Operation only

This part and its conditions must be considered in conjunction with any conditions imposed on your development approval(s) granted under the Integrated Planning Act 1997 or its equivalent for the activities under this part.

Part 1 Schedule A - General conditions

- (1:A1-1) Provide a financial assurance in the amount and form and at a time required by the administering authority.

END OF CONDITIONS FOR SCHEDULE A

Part 1 Schedule I - Definitions

“Administering authority” means the Environmental Protection Agency or its successor.

END OF CONDITIONS FOR SCHEDULE I

Part 1 Schedule J - Site Plans

There are no conditions prescribed in this schedule.

END OF CONDITIONS FOR SCHEDULE J

END OF PART 1

PART 2 - LICENCE(S) (WITHOUT DEVELOPMENT APPROVAL) (Section 93)

Applicable Sites – Riverview and Rochedale Brick Manufacturing Plants

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. The conditions in this Part of this Integrated Environmental Authority are in addition to those contained in all of Part 4 of this Integrated Environmental Authority.

Part 2 Schedule A - General conditions

Refer to Part 4 Schedule A of this integrated authority.

END OF CONDITIONS FOR PART 2 SCHEDULE A

Part 2 Schedule B - Air

Nuisance

- (2:B1-2) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

The Release of Contaminants to the Atmosphere

- (2:B2-1) The release of contaminants to the atmosphere from a point source must only occur from those release points identified in Part 2 Schedule B - Table 1 and must be directed vertically upwards without any impedance or hindrance.
- (2:B2-2) Contaminants must be released to the atmosphere from a release point at a height and a flow rate not less than the corresponding height and velocity stated for that release point in Part 2 Schedule B - Table 1 and not more than the efflux temperature stated for that release point in Part 2 Schedule B - Table 1.
- (2:B2-3) Contaminants must not be released to the atmosphere from a release point at a mass emission rate/concentration, as measured at a monitoring point, in excess of that stated in Part 2 Schedule B - Table 1 and monitored not less frequently than Part 2 Schedule B Table 1.
- (2:B2-4) Monitoring provisions and monitoring points must be provided for all the release points listed in Part 2 Schedule B, Table 1. The monitoring provisions and monitoring points must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions".
- (2:B2-5) The holder of this environmental authority must conduct a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameters specified in Part 2 Schedule B, Table 1 and which complies with the following:
- (a) All determinations of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
 - (b) All determinations of the quality and quantity of contaminants released to the atmosphere must be made in accordance with methods prescribed in the Department of Environment Air Quality Sampling Manual, November 1997, or more recent editions or supplements to that document as such become available.



- (c) The following tests must be performed for each required determination specified in Part 2 Schedule B, Table 1:
- (i) gas velocity and volume flow rate;
 - (ii) temperature; and
 - (iii) water vapour concentration.
- (d) Where practicable, samples taken must be representative of the contaminants discharged when emissions are expected to be maximum,
- (e) During the sampling period the following additional information must be gathered:
- (i) production rate;
 - (ii) equipment operating;
 - (iii) product made;
 - (iv) date of sampling;
 - (v) start and end time of sampling;
 - (vi) fuel rate;
 - (vii) fluoride concentration in the mixture of clay used before and after fired (Rosedale only); and
 - (viii) proportion of each raw clay used (Rosedale only).
- (f) Oxides of nitrogen must be calculated as NO^2 at a 7 percent oxygen level and total particulates must be determined where gas volume is calculated to 12 percent CO^2 .

Part 2 Schedule B - Table 1 (Release of contaminants)

Release point number	Minimum release height (metres)	Minimum velocity (m/sec)	Minimum efflux temp (°C)	Contaminant	Release Limit	Sampling frequency
Riverview Plant A1 - Swindell Dressler Tunnel Kiln	25	8	n/a	Concentration total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Concentration nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
Rochedale Plant A1 - Swindell Dressler Tunnel Kiln	30	8.7	126	Total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.35	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually
Rochedale Plant A2 - Ceric Tunnel Kiln	15	9.5	124	Total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.88	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually

Riverview Plant

- (2:B3-1) Total Fluoride emissions from the release point numbered A1 at the Riverview Plant must not result in Ground Level Concentrations (GLC's) in excess of 3.7 ug/m³ for an averaging time of 12 hours and 0.5 ug/m³ for an averaging time of 90 days, beyond the boundaries of the licensed place.
- (2:B3-2) For the purposes of checking conformity with condition 2:B3-1, the results of the Fluoride monitoring as required in Part 2 Schedule B - Table 1 must be expressed as ugHF/m³ and modelled using an Appropriate Air Pollution Dispersion Modelling Program to determine the Ground Level Concentrations for the 12 hour and 90 day averaging time.
- (2:B3-3) The only fuel to be used in the Swindell Dressler Tunnel Kiln is natural gas.
- (2:B3-4) There must be no visible emission from release point number A1.

Rochedale Plant

- (2:B4-1) The only fuel to be used in the Swindell Dressler Tunnel Kiln (A1) and the Ceric Tunnel Kiln (A2) is natural gas.

- (2:B4-2) There must be no visible emission from release point numbers A1 or A2.
- (2:B4-3) The holder of this environmental authority must conduct a vegetation survey to detect chemical fumigation when there is non-compliance with any limit in Part 2 Schedule B – Table 1 and/or with the fluoride mass emission rate in Part 2 Schedule B – Table 1, or within three (3) years of the last vegetation survey submitted to the administering authority.
- (2:B4-4) The vegetation survey required by condition 2:B4-3 must be conducted at Boorabbin Picnic Ground, along Stackpole Street, F R Caterson Park, along Mt Petrie Road, Gardner Road and Prebble Street.
- (2:B4-5) A person or body possessing appropriate experience and qualifications must perform the vegetation survey required by condition 2:B4-3 of this environmental authority.
- (2:B4-6) The holder of this environmental authority must ensure the data collected by conditions 2:B2-5 and 2:B4-3 of this environmental authority is analysed and interpreted to assess the nature and extent of any environmental impact of the environmentally relevant activity. The data, analysis and assessment must be submitted to the administering authority within three (3) months of the completion of any vegetation survey required by condition 2:B4-3.

END OF CONDITIONS FOR PART 2 SCHEDULE B

Part 2 Schedule C - Water

Release to waters – Rochedale Plant only

- (2:C1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Part 2 Schedule C - Table 1 and comply with the contaminant limits defined in Part 2 Schedule C - Table 2.

Part 2 Schedule C - Table 1 (Water monitoring locations and frequency)

Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"

Part 2 Schedule C - Table 2 (Discharge contaminant limits)

Monitoring Point	Parameter	Minimum	Maximum
R3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*

* For the same monitoring event

Stormwater Management Plan – Rochedale Plant Only

- (2:C2-1) The holder of this environmental authority must have developed and implemented an effective and appropriate Stormwater Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from the contamination of stormwater at the licensed place.
- (2:C2-2) The Stormwater Management Plan must address at least the following matters:
- prevention of incident stormwater and stormwater runoff from contacting wastes or contaminants; and
 - diversion of upstream runoff away from areas containing wastes or contaminants; and
 - minimisation of the size of contaminated areas; and
 - cleaning of contaminated areas without water; and
 - installation and maintenance of pollution control equipment such as oil separators, silt and rubbish traps, and stormwater diversion systems; and
 - installation and maintenance of sediment control measures for stormwater such as by means of coagulation, sedimentation, dissolved air flotation, settling basins or other suitable means; and
 - paving and roofing of contaminated areas; and
 - revegetation of exposed or disturbed areas; and
 - diversion of upstream runoff from exposed or disturbed areas and stockpiles; and
 - sampling and monitoring of stormwater discharges from the licensed place to waters for parameters including the following:
 - suspended solids, and
 - pH.

END OF CONDITIONS FOR PART 2 SCHEDULE C

Part 2 Schedule D - Noise

- (2:D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (2:D1-2) All noise from activities must not exceed the levels specified in Part 2 Schedule D - Table 1 at any noise affected premises.

Part 2 Schedule D Table 1: Noise Limits

Noise level dB(A) measured as	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm - 10pm	10pm - 7am	9am - 6pm	6pm - 10pm	10pm - 9am
Noise measured at a 'Noise sensitive place'						
L _{A10} , adj, 10 mins	b/g+5	b/g+5	b/g+3	b/g+5	b/g+5	b/g+0
L _{A1} , adj, 10 mins	b/g+10	b/g+10	b/g+5	b/g+10	b/g+10	b/g+5
Noise measured at a 'Commercial place'						
L _{A10} , adj, 10 mins	b/g+10	b/g+10	b/g+8	b/g+10	b/g+10	b/g+5
L _{A1} , adj, 10 mins	b/g+15	b/g+15	b/g+10	b/g+15	b/g+15	b/g+10

R

Note: The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Manuals. Noise monitoring

(2:D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. 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; and
- location, date and time of recording.

(2:D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR PART 2 SCHEDULE D

Part 2 Schedule E – Waste

The conditions of this Part 2 Schedule E Waste Schedule apply to the Rochedale Plant only, in addition to those conditions in Part 4 Schedule E.

Waste Management Plan (WMP)

(2:E1-1) The holder of this environmental authority, must develop and implement an effective and appropriate Waste Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from all wastes produced at the licensed place.

(2:E1-2) The Waste Management Plan must address at least the following matters:

- (a) the quantity and nature of each waste produced;
- (b) the current method of disposal;
- (c) proposed methods of pre-treatment or disposal;
- (d) expected reduction in quantity of waste produced through waste minimisation and cleaner production;
- (e) investigation and evaluation of alternative treatment options;
- (f) areas to be set aside for the segregation and storage of recyclable solid wastes;
- (g) where a no-cost recycling service is available, reasonable and practicable steps must be taken to ensure recyclable waste is not deposited in the general waste stream. Such steps may include, but are not limited to provision of receptacles; suitable signage; and promotion of awareness among staff of the recycling service.
- (h) provisions for carrying out and submitting to the administering authority a waste audit within 12 months from the date of issue of this environmental authority and thereafter every five (5) years.

- (2:E1-3) A copy of the Waste Management Plan and subsequent amendments must be kept at the licensed place and must be made available to any authorised person or the administering authority on request.
- (2:E1-4) The holder of this environmental authority must not implement a Waste Management Plan or amend a Waste Management Plan where such implementation or amendment would result in a contravention of any condition of this environmental authority.

On Site Waste Disposal

- (2:E2-1) The defined on site waste disposal area is described as "Waste Disposal Area" delineated on Figure 1 of Appendix 1.
- (2:E2-2) Only the following general waste, which is generated by the brickworks operation, is to be disposed of at the Waste Disposal Area:
- (i) broken and reject bricks, pavers and other ceramic products;
 - (ii) timber;
 - (iii) plastic, paper and cardboard; and
 - (iv) concrete and concrete products with or without reinforcing steel.
- (2:E2-3) Where general waste associated with the manufacture of bricks or pavers on the licensed place is disposed of on the premises (other than as permitted by another schedule of this environmental authority), the holder of this environmental authority must monitor and record:
- (a) the date, quantity and type of waste disposed; and
 - (b) the location of disposal of the waste; and
 - (c) the method of disposal of the waste.
- (2:E2-4) Appropriate signs must be prominently displayed at the waste disposal area or appropriate written instructions must be given to all persons responsible for depositing waste:
- The signs or written instructions must at least indicate:
- (i) the types of waste that may be disposed;
 - (ii) the types of waste which must not be disposed;
 - (iii) the location where the wastes must be deposited within the general waste disposal area, and
 - (iv) that open burning of waste is prohibited.
- (2:E2-5) Wastes must not be deposited beyond the boundaries of the waste disposal area.
- (2:E2-6) Regulated waste must not be stored or disposed of or deposited in the waste disposal area.

Security

- (2:E3-1) The holder of this environmental authority must prevent any unauthorised disposal of waste on or in the licensed place.
- (2:E3-2) The holder of this environmental authority must ensure that all access gates are locked when the licensed place is unattended.

END OF CONDITIONS FOR PART 2 SCHEDULE E



Part 2 Schedule F - Land

Release of Contaminants to Land

- (2:F1-1) There must be no release nor likelihood of release of any contaminants to land that may cause environmental harm or contribute to contamination of such land.

END OF CONDITIONS FOR PART 2 SCHEDULE F

Part 2 Schedule G - Community

Refer to Part 2 Schedule G of this authority.

END OF CONDITIONS FOR PART 2 SCHEDULE G

END OF PART 2

PART 3 - ENVIRONMENTAL AUTHORITY (MINING LEASE) (Section 258)

This part is for the carrying out of an environmental authority (mining activities) for a mining lease under chapter 5, parts 1, 2 and 6 of the Environmental Protection Act 1994. The conditions in this Part of this Integrated Environmental Authority are in addition to those contained in all of Part 4 of this Integrated Environmental Authority.

Part 3 Schedule A - General

Financial Assurance

- (3:A1-1) Provide a financial assurance in the amount and form required by the administering authority prior to the commencement of activities proposed under this environmental authority.

NOTE: The calculation of financial assurance for condition (3:A1-1) must be in accordance with Guideline 17 and may include a performance discount. The amount is defined as the maximum total rehabilitation cost for complete rehabilitation of all disturbed areas, which may vary on an annual basis due to progressive rehabilitation. The amount required for the financial assurance must be the highest Total Rehabilitation Cost calculated for any year of the Plan of Operations and calculated using the formula: (Financial Assurance = Highest Total Annual Rehabilitation Cost x Percentage Required)

- (3:A1-2) The financial assurance is to remain in force until the administering authority is satisfied that no claim on the assurance is likely.

NOTE: Where progressive rehabilitation is completed and acceptable to the administering authority, progressive reductions to the amount of financial assurance will be applicable where rehabilitation has been completed in accordance with the acceptance criteria defined within this environmental authority.

END OF CONDITIONS FOR PART 3 SCHEDULE A

Part 3 Schedule B - Air

Refer to Part 4 Schedule B of this Integrated Authority.

END OF CONDITIONS FOR PART 3 SCHEDULE B

Part 3 Schedule C - Water

Release to waters

- (3:C1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Part 3 Schedule C - Table 1 (at the locations depicted in Appendix 1 Figures 1, 2, 3 and 4) and comply with the contaminant limits defined in Part 3 Schedule C - Table 2.



Part 3 Schedule C - Table 1 (Water monitoring locations and frequency)

*Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)				
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"
R4	Background for points R2 and R5	510500	6951200	When points R2 and/or R5 are sampled
R2	Discharge	510880	6951600	Each Pumped Release
R5	Discharge	511470	6952600	"Event Release" and each pumped release
Burbank Lease (ML1152)				
B1	Discharge	513890	6949050	"Event Release"
Redland Bay Lease (ML50035)				
RB1	Discharge	526590	6943600	"Event Release"
RB2	Discharge	526350	6943600	"Event Release"
RB3	Discharge	526160	6943250	"Event Release"
Oxley Lease (ML1167)				
O1	Discharge	497350	6951000	Each Pumped Release

* Refer to Appendix 1 Figures 1, 2, 3 and 4 for monitoring locations.

Part 3 Schedule C - Table 2 (Contaminant release limits)

Monitoring Point	Parameter	Minimum	Maximum
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)			
R2 and R5	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R4*
R3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*
Burbank Lease (ML1152)			
B1	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50
Redland Bay Lease (ML50035)			
RB1, RB2, RB3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50
Oxley Lease (ML1167)			
O1	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50

* for the same monitoring event

Part 3 Schedule D - Noise and vibration

Noise nuisance

- (3:D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (3:D1-2) All noise from activities must not exceed the levels specified in Part 3 Schedule D - Table 2 at any noise affected premises.
- (3:D1-3) No mining activities may be undertaken outside of the hours for the sites listed in Part 3 Schedule 3 Table 1, unless the activities are solely for pollution control.

Part 3 Schedule D - Table 1: Operating Hours

Tenure(s) – mining leases	Location	Hours
1151, 1156, 1165, 50165, 50189	Rochedale	Mon-Fri 6am – 6pm; Sat 6am-5pm
1152	Burbank	Mon-Fri 7am – 5pm
50035	Redland Bay	Mon-Fri 7am – 6pm; Sat 7am-4pm
1167	Oxley	Mon-Fri 7am – 5pm
4578	Swanbank	Mon-Sat daylight hours
50115	New Chum	Mon-Sat daylight hours



Part 3 Schedule D - Table 2 (Noise limits)

Noise level dB(A) measured as	Monday to Saturday	
	6am - 7am	7am - 6pm
	Noise measured at a 'Noise sensitive place'	
L _{A10} , adj, 10 mins	b/g+3	b/g+5
L _{A1} , adj, 10 mins	b/g+5	b/g+10
	Noise measured at a 'Commercial place'	
L _{A10} , adj, 10 mins	b/g+8	b/g+10
L _{A1} , adj, 10 mins	b/g+10	b/g+15

Noise monitoring

(3:D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. 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; and
- location, date and time of recording.

(3:D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR PART 3 SCHEDULE D

Part 3 Schedule E - Waste

Refer to Part 4 Schedule E of this integrated authority.

END OF CONDITIONS FOR PART 3 SCHEDULE E

Part 3 Schedule F - Land

Rehabilitation landform criteria

(3:F1-1) All areas significantly disturbed by mining activities must be rehabilitated in accordance with Part 3 Schedule F – Table 1.

Part 3 Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule)

Tenure ID	Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
ROCHEDALE LEASES			
ML1151	Infrastructure (brick manufacturing and ancillary facilities)	22.5	Industrial
	Mine void	7.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	4.0	Native Ecosystem
ML1156	Mine void	31.5	Industrial
	Sediment traps / water basins	2.0	Industrial or Wetland Type 1
	Amenity banks / buffers		Native Ecosystem
ML1165	Mine void	5.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	0.8	Native Ecosystem
ML50165	Mine void	3.7	Wetland Type 2
	Amenity banks / buffers	3.2	Native ecosystem
ML50189	Mine void	5.2	Wetland Type 2
	Amenity banks / buffers	1.6	Native Ecosystem
BURBANK LEASE			
ML1152	Mine void	24	Native Ecosystem
	Sediment traps / water basins	0.6	Wetland Type 1
	Roads	1	No rehabilitation required – retain
	Buffer	8.8	Native Ecosystem
REDLAND BAY LEASE			
ML50035	Mine void	17.2	To be determined
	Sediment traps / water basins	1	Wetland Type 1
	Roads	0.8	No rehabilitation required – retain
	Buffer	4	Native Ecosystem
OXLEY LEASE			
ML1167	Mine void	7.8	Industrial
	Sediment traps / water basins	0.5	Wetland Type 1
	Roads	0.5	No rehabilitation required – retain
	Buffer	6.6	No rehabilitation required – retain / Residential
NEW CHUM LEASE			
ML50115	Mine voids	31.0	Industrial
	Spoil stockpiles	13	Industrial
	Roads	3.0	No rehabilitation required – retain
	Water Storages	1.5	No rehabilitation required – retain

Part 3 Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule) - continued

Tenure ID	Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
SWANBANK LEASE			
ML4578	Mine voids	17.2	Industrial
	Stockpile areas	3.3	Industrial
	Spoil stockpiles	10	Industrial
	Roads / power line easements	3.3	No rehabilitation required - retain
	Water Storages	0.8	No rehabilitation required - retain

Rehabilitation Outcome – Industrial or Residential

- (3:F2-1) Subject to conditions 3:F2-2, 3:F2-3 and 3:F2-4, disturbed land nominated for industrial or residential rehabilitation outcome will be considered rehabilitated when the land is stabilised and does not, or will not have potential to cause environmental harm to the environmental values.
- (3:F2-2) Disturbed land and/or mine voids remaining at the end of mine life and nominated for the rehabilitation outcome of industrial, will only be considered suitable for surrender when a development approval and environmental authority (with development approval) application (or applicable local government and environmental approvals (or lawful use) relevant at the time) has been approved for the proposed activities.
- (3:F2-3) In the event of an unsuccessful development application (or other requirement at the time) for proposed industrial activities, an application must be made by the holder of this environmental authority to nominate an alternative rehabilitation outcome.
- (3:F2-4) To remove any doubt, the nomination of the final land use of industrial or residential in Part 3 Schedule F Table 1, does not negate any local or state government planning or approval requirements for the development of that land.

Rehabilitation Outcome – Native Ecosystem

- (3:F3-1) Areas that are to be rehabilitated to native ecosystem must comply with the following outcomes:
- achievement of a self sustaining native ecosystem with a species composition and distribution similar to the pre-mining species composition and distribution; and
 - the landform must be suitable to support the ecosystem in 3:F3-1 a), not impede fauna corridors and be stable and non-polluting.
- (3:F3-2) Complete an investigation into rehabilitation of disturbed areas and submit a report to the administering authority proposing acceptance criteria to meet the outcomes in 3:F3-1. A report on the investigation, which will propose acceptance criteria, must be submitted to the administering authority by 30 June 2005.

Rehabilitation Outcome – Wetland Type 1 (rehabilitated sediment dams)

- (3:F4-1) Areas that are to be rehabilitated to wetland type 1 outcome will be considered rehabilitated when the dams are revegetated with species appropriate to filter contaminants from the water, and water discharges from the dams do not exceed the total suspended solids value of the inflow to the pond.

Rehabilitation Outcome – Wetland Type 2 (water filled voids)

- (3:F5-1) Complete an investigation into rehabilitation of disturbed areas to wetland type 2 outcome and submit a report to the administering authority proposing acceptance criteria. A report on the investigation and proposals for acceptance criteria must address:
- a) water quality to be achieved in the water filled void;
 - b) water quality to be achieved for any discharges from the void; and
 - c) revegetation standards to be met for the fringes of the void.
- and the report must be submitted to the administering authority by 30 June 2005.

Buffer Zones

- (3:F6-1) There must be no mining activities conducted in the buffer zones or wildlife corridor areas identified in Appendix 1 Figures 1, 2, 3 and 4, other than for the construction or removal of amenity banks, environmental control works, and activities involved with access or provision of services to the lease areas.

Open Area and Progressive Rehabilitation

- (3:F7-1) The *open area* for the relevant mining lease must not exceed the area described in Part 3 Schedule F Table 2.

Part 3 Schedule F Table 2 – Open Area Limits

Tenure	Location	Open Area Limit (Ha)
ML 1152	Ford Road, Burbank	4

- (3:F7-2) Subject to condition 3:F7-1, progressive rehabilitation must commence within three years of areas become available within the operational land.

Infrastructure

- (3:F8-1) All infrastructure, constructed by or for the environmental authority holder during the mining activities including water storage structures, must be removed from the site prior to mining lease surrender, except where agreed in writing by the post mining land owner / holder.
- NOTE: This is not applicable where the landowner / holder is also the environmental authority holder.

Rehabilitation Outcome – To be determined

- (3:F9-1) The final land use of mine voids for Redland Bay lease (MR 50035) is to be determined by a Planning Use Study which is to be consistent with any Planning Scheme and any rehabilitation outcome.
- (3: F9-2) The Planning Use Study report must be submitted to the administering authority by 30 June 2005.

END OF CONDITIONS FOR PART 3 SCHEDULE F

Part 3 Schedule G - Community

Refer to Part 4 Schedule G of this integrated authority

END OF CONDITIONS FOR PART 3 SCHEDULE F

END OF PART 3



PART 4 – CONDITIONS APPLICABLE TO BOTH PART 2 (LICENCES [WITHOUT DEVELOPMENT APPROVAL][Section 93]) AND PART 3 (ENVIRONMENTAL AUTHORITY [MINING LEASE] [Section 258])

Applicable Sites – Riverview and Rochedale Brick Manufacturing Plants and all mining leases.

This part contains conditions that are applicable to all locations and environmental authority types contained within Part 3 and Part 4 of this Integrated Authority.

Part 4 Schedule A - General conditions

Prevent and /or minimise likelihood of environmental harm

- (4:A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of Measures, Plant and Equipment

- (4:A2-1) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - maintain such measures, plant and equipment in a proper condition; and
 - operate such measures, plant and equipment in a proper manner.

Records

- (4:A3-1) Record, compile and keep all monitoring results required by Parts 2, 3 and 4 of this integrated authority and present this information to the administering authority when requested, in a specified format.

Storage and Handling of Flammable and Combustible Liquids

- (4:A4-1) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

Definitions

- (4:A5-1) Words and phrases used throughout this EA are defined in Part 4 Schedule H – Definitions. Where a definition for a term used in this EA is sought and the term is not defined within this EA, the definitions in the Environmental Protection Act 1994, its Regulations and Environmental Protection Policies must be used.

Integrated Environmental Management System (IEMS)

- (4:A6-1) Prior to the commencement of any environmentally relevant activity ("the activities") under this environmental authority, the holder of this environmental authority must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (4:A6-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
 - Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 - Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.
- (4:A6-3) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Part 4 Schedule B - Air

Dust nuisance

- (4:B1-1) Subject to Conditions (4:B1-2) and (4:B1-3) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.



- (4:B1-2) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.
- (4:B1-3) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (4:B1-1):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 a sensitive or commercial place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;or
 - Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.
- NOTE: You must propose which monitoring method is appropriate in accordance with condition (4:B1-3) (a) or (b) or both.

Dust Control

- (4:B2-1) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (4:B2-2) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dusts suppressants and wind breaks.
- (4:B2-3) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR PART 4 SCHEDULE B

Part 4 Schedule D - Noise and Vibration

Refer to Part 3 Schedule D of this integrated authority for mining activity conditions

Refer to Part 2 Schedule D of this integrated authority for non-mining conditions.

END OF CONDITIONS FOR PART 4 SCHEDULE D

Part 4 Schedule E - Waste

General

- (4:E1-1) The holder of this environmental authority must not:
- (i) burn waste at or on the licensed place; nor
 - (ii) allow waste to burn or be burnt at or on the licensed place; nor
 - (iii) remove waste from the licensed place and burn such waste elsewhere.

Off Site Movement

- (4:E2-1) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must 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).

- (4:E2-2) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Records

- (4:E3-1) Records must be maintained for a period of five (5) years for all wastes mentioned in this schedule.

Notification of Improper Disposal Of Regulated Waste

- (4:E4-1) If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or which is improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

END OF CONDITIONS FOR PART 4 SCHEDULE E

Part 4 Schedule F - Land

There are no conditions prescribed for this schedule.

END OF CONDITIONS FOR PART 4 SCHEDULE F

Part 4 Schedule G – Community

Complaint response

- (4:G1-1) All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed and actions taken. This information must be made available for inspection by the administering authority on request.

END OF CONDITIONS FOR PART 4 SCHEDULE G

Part 4 Schedule H – Definitions

“acceptance criteria” means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

“airblast overpressure” means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

“ambient (or total) noise” at a place, means the level of noise at the place from all sources (near and far), measured as the Leq for an appropriate time interval.

“competent person” means a person with the demonstrated skill and knowledge required to carry out the task to a standard necessary for the reliance upon collected data or protection of the environment.

“authority” means environmental authority (mining activities) under the *Environmental Protection Act 1994*.

“blasting” means the use of explosive materials to fracture-

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse.

“commercial place” means a place used as an office or for business or commercial purposes, other than a place within the boundaries of the operational land.

“dam” means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.

“environmental authority holder” means the holder of this environmental authority.

“event release” means when water is released and which must occur at least four times per year.



"flowable substance" means matter or mixture of materials which can be forced to or otherwise flow under any conditions possible in a situation. It includes water, other liquids or a mixture that includes water or any other liquid or suspended solids.

"hazardous waste" means any substance, whether liquid, solid or gaseous, derived by or resulting from, the processing of minerals that tends to destroy life or impair or endanger health.

"IEMS / Project EMOS" document titled "Environmental Management Overview Strategy (consolidating mining project numbers PJ50036, 50134, 50128 and 50150) incorporating Integrated Environmental Management System (mining, manufacturing and extractive industries). Prepared for The Austral Brick Company Pty Ltd. Prepared by Groundwork Environmental Management Services Pty Ltd. October 2002".

" $L_{A10, adj, 10 mins}$ " 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.

" $L_{A1, adj, 10 mins}$ " 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

" $L_{A, max adj, T}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"land capability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land suitability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land use" term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

"mandatory reporting level" means the volume below the spillway crest, equivalent to the lower of the AEP, 72 hour storm or the AEP wave allowance (AEP is the annual exceedence probability).

"mineral" means a substance which normally occurs naturally as part of the earth's crust or is dissolved or suspended in water within or upon the earth's crust and includes a substance which may be extracted from such a substance, and includes—

- (a) clay if mined for use for its ceramic properties, kaolin and bentonite;
- (b) foundry sand;
- (c) hydrocarbons and other substances or matter occurring in association with shale or coal and necessarily mined, extracted, produced or released by or in connection with mining for shale or coal or for the purpose of enhancing the safety of current or future mining operations for coal or the extraction or production of mineral oil therefrom;
- (d) limestone if mined for use for its chemical properties;
- (e) marble;
- (f) mineral oil or gas extracted or produced from shale or coal by in situ processes;
- (g) peat;
- (h) salt including brine;
- (i) shale from which mineral oil may be extracted or produced;
- (j) silica, including silica sand, if mined for use for its chemical properties;
- (k) rock mined in block or slab form for building or monumental purposes;

but does not include—

- (l) living matter;
- (m) petroleum within the meaning of the Petroleum Act 1923;
- (n) soil, sand, gravel or rock (other than rock mined in block or slab form for building or monumental purposes) to be used or to be supplied for use as such, whether intact or in broken form;
- (o) water.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"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.

and includes the curtilage of such place.

"noxious" means harmful or injurious to health or physical well being, other than trivial harm.

"non-standard" means a mining operation that if in the opinion of the administering authority does not have a low risk of serious environmental harm and the activities can not comply with the criteria for standard mining activities prescribed in schedule 1A of the *Environmental Protection Regulation 1998*. The standard mining activity trigger criteria are as follows;

- the mining activities do not or will not cause more than 10 ha of land to be significantly disturbed at any one time;
- the mining activities do not or will not cause more than 5 ha of land to be significantly disturbed at any one time;
 - (a) in a riverine area;
 - (b) because of mine workings;
- the mining activities are not or will not be carried out in, or within 2 km of a category A *Environmentally Sensitive Area*;
- the mining activities are not or will not be carried out in, or within 1 km of a category B environmentally sensitive area;
- the mining activities do not include a level 1 environmentally relevant activity
- no more than 20 persons are carrying out or will, at any one time, carry out the mining activities;

"offensive" means causing reasonable offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive, other than trivial harm.

"open area" means those parts of the mining lease that are cleared in preparation for, or to conduct mining, but have not had *rehabilitation* commence. Open area excludes permanent roads, fixed plant and water quality control devices.

"peak particle velocity (ppv)" means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms⁻¹).

"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.

"progressive rehabilitation" means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

"reference site" (or analogue site) may reflect the original location, adjacent area or another area where rehabilitation success has been completed for a similar biodiversity. Details of the reference site may be as photographs, computer generated images and vegetation models etc.



"rehabilitation" the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

"representative" means a sample set which covers the variance in monitoring or other data either due to natural changes or operational phases of the mining activities.

"residual void" means an open pit resulting from the removal of ore and/or waste rock which will remain following the cessation of all mining activities and completion of rehabilitation processes.

"self sustaining" means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

"significant disturbance" – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant environmental authority; or
 - ii. if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

"sensitive place" means;

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- an educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or



- a public park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes which is not part of the mining activity and does not include employees accommodation or public roads.

"spillway" means passage or outlet from the dam through which surplus water flows.

"stable" means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

"trivial harm" means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5,000.

"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea) or any part thereof.

END OF CONDITIONS FOR PART 4 SCHEDULE I

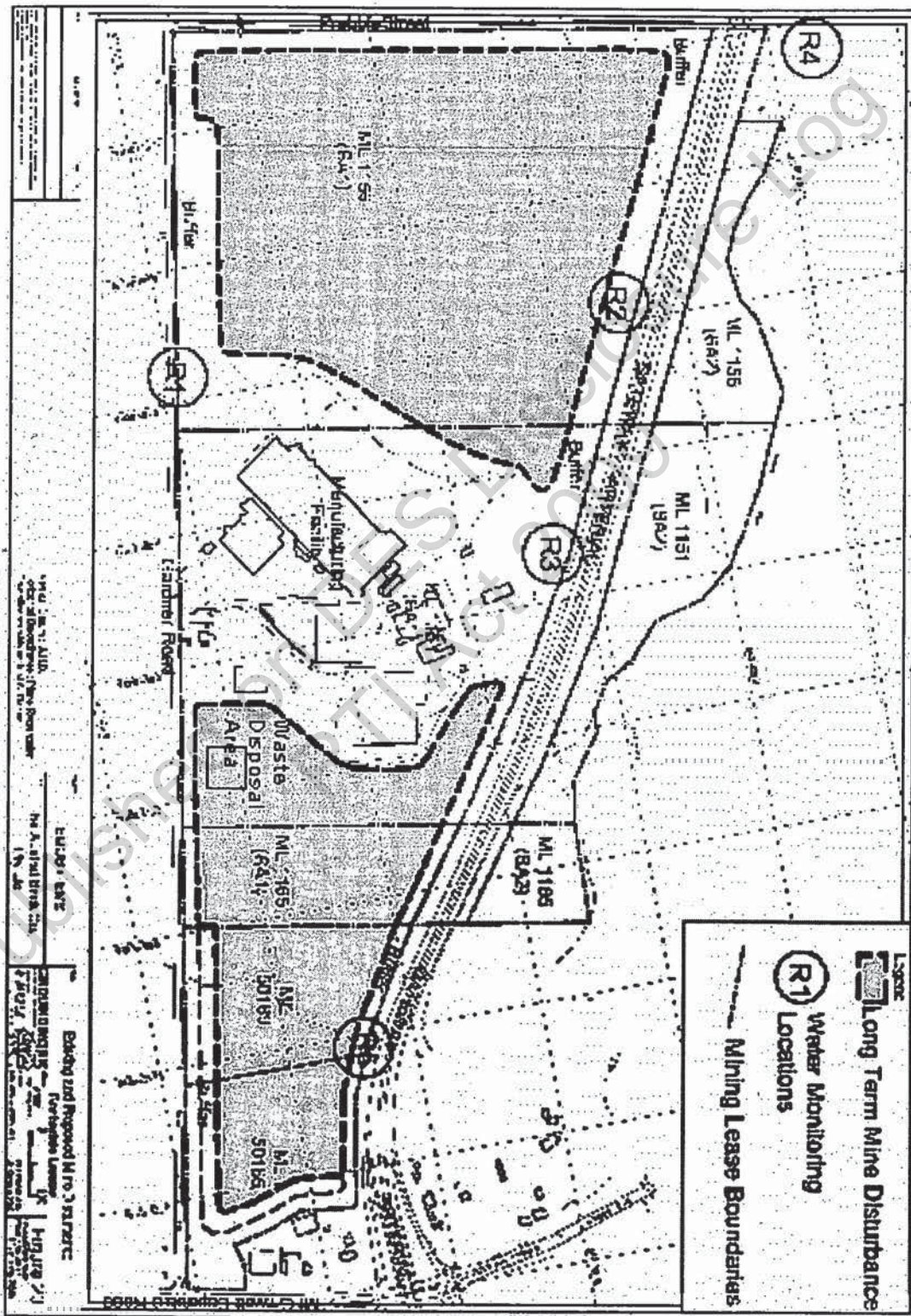
END OF PART 4

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APPENDIX 1 – FIGURE 1

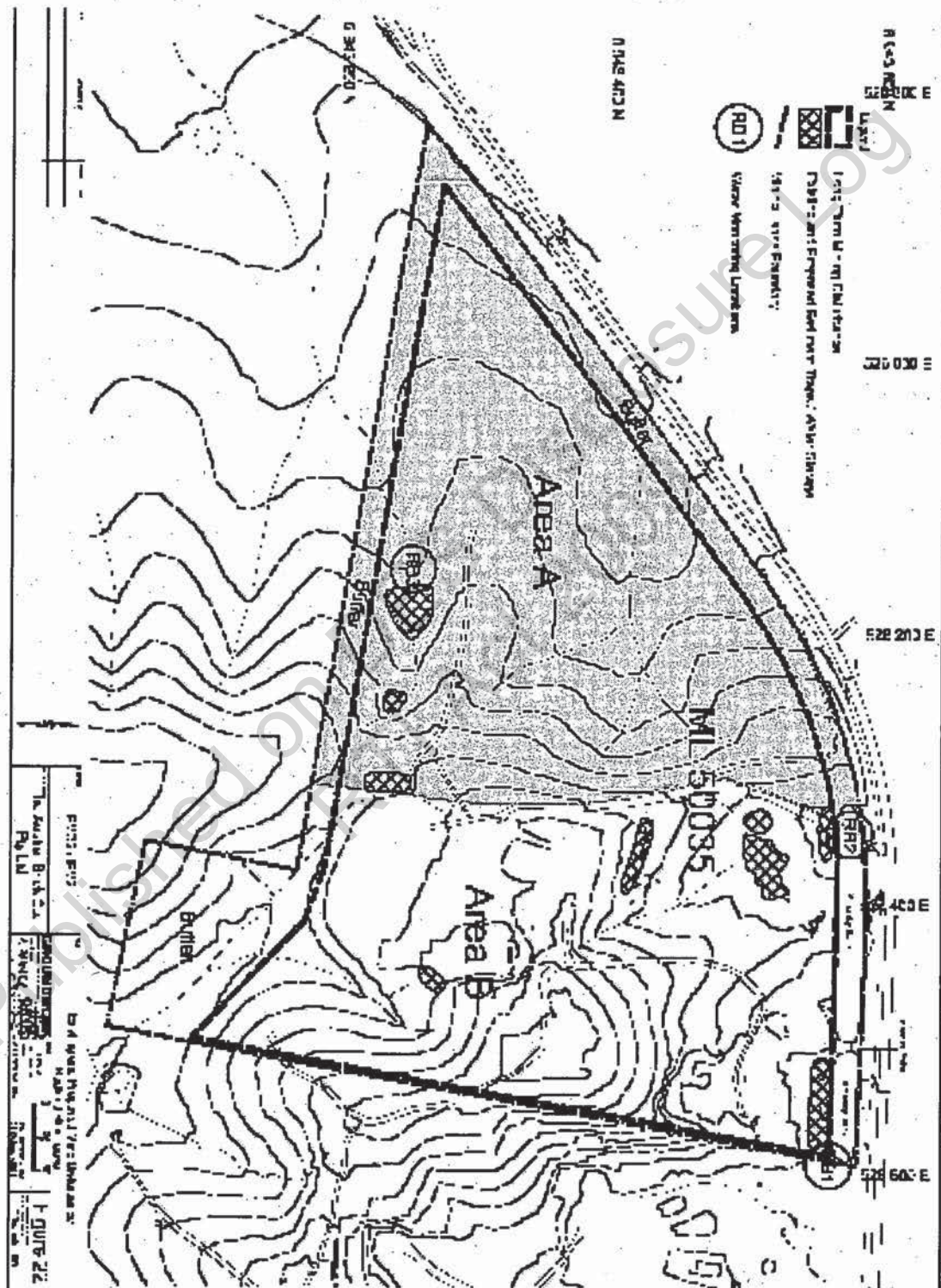
Rochedale Plant and Mining Leases – Waste Disposal Area, Water Monitoring Locations and Buffer Zones





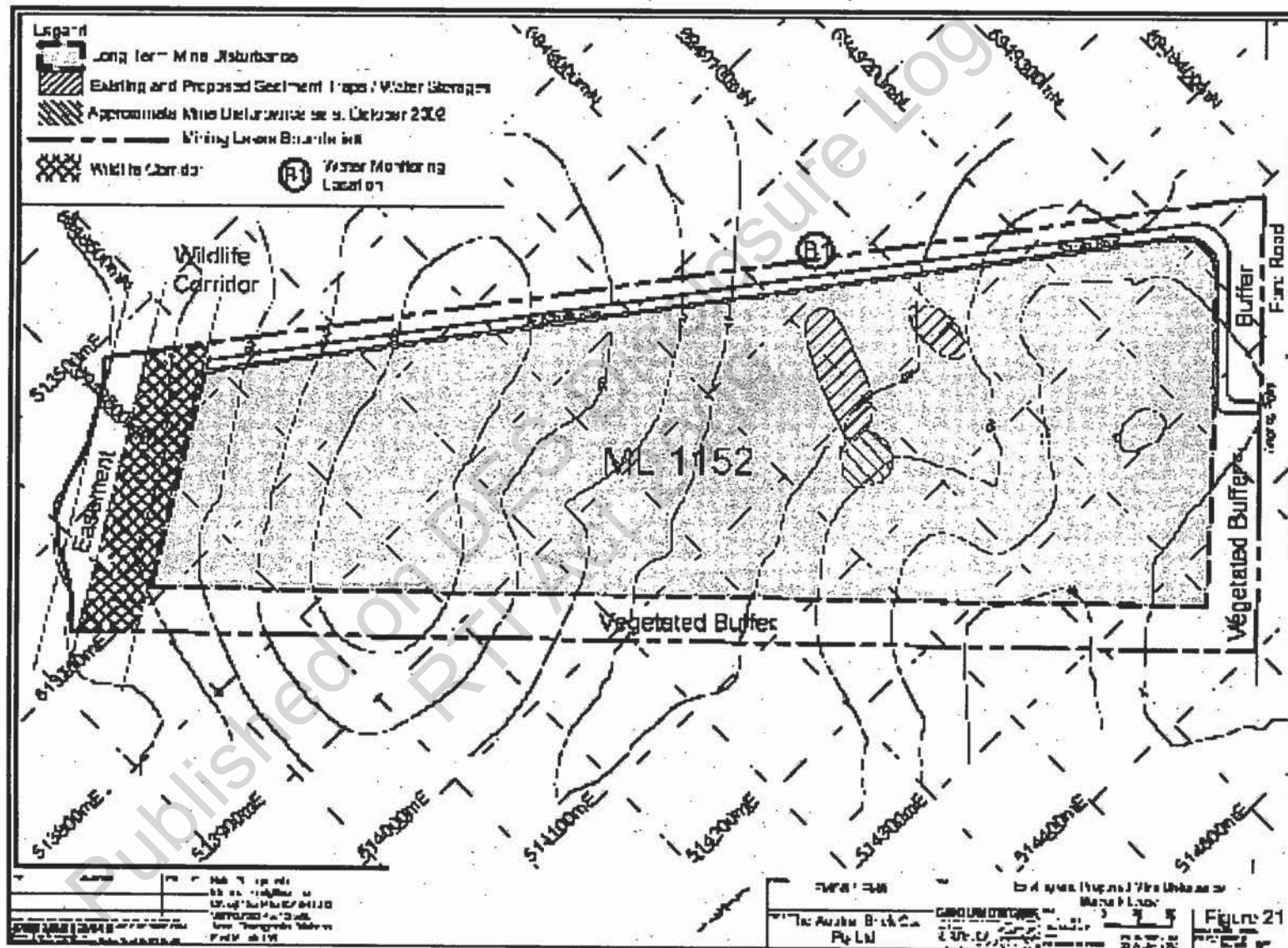
APPENDIX 1 – FIGURE 2

ML 50035 German Church Road Redland Bay – Monitoring Locations and Buffer Zones





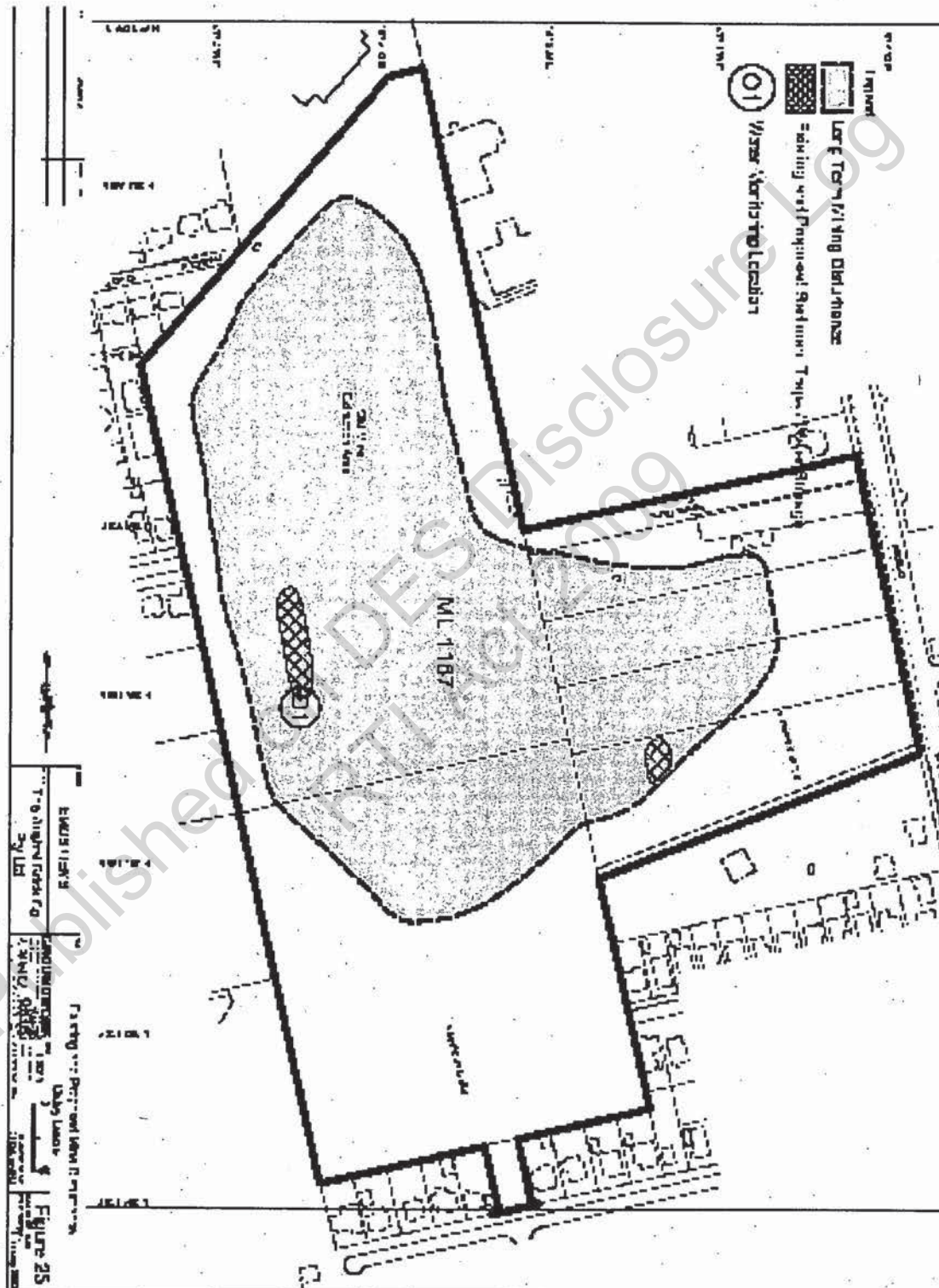
APPENDIX 1 – FIGURE 3
ML 1152 Ford Road Burbank – Monitoring Locations and Buffer Zones



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APPENDIX 1 – FIGURE 4
ML 50035 German Church Road Redland Bay – Monitoring Locations and Buffer Zones



END OF INTEGRATED AUTHORITY



Integrated Authority No. SR2484

STY 3748-3

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:**

The Austral Brick Company Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

**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 24 April.

This integrated authority takes effect from 24 April 2003.

Signed

Date

Peter Smith
Acting Manager (Licensing)
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.

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

Part 1: Licence (with development approval) (Section 86)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
Part 1 all schedules	20(c)	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 an authority, lease, licence or permit mentioned in item 21C or 21D) from a pit or quarry using plant or equipment having a design capacity of 100,000 t or more a year.	Part of Lot 1	RP854704	Parish of Redland German Church Road REDLAND BAY
Part 1 all schedules	22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of 100,000 tonnes or more a year.	Part of Lot 1	RP854704	Parish of Redland German Church Road REDLAND BAY

Part 2: Licences (without development approval) (Section 93)

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
ROCHEDALE PLANT					
Part 2 all schedules Part 4 all schedules	17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
Part 2 all schedules Part 4 all schedules	61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE
Part 2 all schedules Part 4 all schedules	75(a)(vi)	Waste disposal - operating a facility for disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of 50 000 t or more, but less than 75 000 t per year.	2	844169	County of Stanley, Parish of Tingalpa. 105 Gardner Road ROCHEDALE



RIVERVIEW PLANT					
Part 2 all schedules Part 4 all schedules	17	Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW
Part 2 all schedules Part 4 all schedules	22(c)	Screening etc. materials - screening, washing, crushing, grinding, milling, sizing or separating material extracted from the earth (other than under a mining tenement or an authority, lease, licence or permit mentioned in item 21C or 21D) or by dredging using plant or equipment having a design capacity of 100,000 t or more a year.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW
Part 2 all schedules Part 4 all schedules	61	Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.	1	RP 166658	Parish of Stanley, County of Goodna 103 Riverview Road RIVERVIEW

Part 3: Environmental authority (mining lease) (Section 258)

Applicable Part & Schedule(s)	ERA No.	ERA name	Mining Lease Number	Location
Part 3 all schedules Part 4 all schedules		Section 18(a) of the <i>Environmental Protection Act 1994</i> : Mining Activities	1167	Douglas Street OXLEY
			1151	Gardner Road ROCHEDALE
			1152	Ford Road BURBANK
		Schedule 6 of the <i>Environmental Protection Regulation 1998</i> . Item 11B mining activities, other than a standard mining activity, carried out using equipment and plant having a mineral ore throughput of more than 100,000t during a year but less than 500,000t a year.	1156	Gardner Road ROCHEDALE
			1165	Gardner Road ROCHEDALE
			50165	Gardner Road ROCHEDALE
			50189	Gardner Road ROCHEDALE
			50035	German Church Road REDLAND BAY
			4578	Patrick Street SWANBANK
			50115	Whitwood Road NEW CHUM

Part 4: Conditions common to Parts 2 and 3

Applicable Part & Schedule(s)	ERA No.	ERA name	Lot	Plan	Location
ROCHEDALE PLANT, RIVERVIEW PLANT and ALL MINING LEASES					
Parts 2 and 3 - all schedules Part 4		All ERAs listed in Parts 2 and 3			All locations listed in Parts 2 and 3

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 integrated authority incorporates the following parts:

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- Part 1 - Licence (with development approval)
- Part 2 - Licences (without development approval)
- Part 3 - Environmental authority (mining lease)
- Part 4 - Conditions applicable to both Part 2 (Licences [Without Development Approval][Section 93]) AND Part 3 (Environmental Authority [Mining Lease] [Section 258])

Each part consists of conditions relevant to various issues.

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PART 1 - LICENCE(S) (WITH DEVELOPMENT APPROVAL) (Section 86)

Applicable Sites – German Church Road Extractive Operation only

This part and its conditions must be considered in conjunction with any conditions imposed on your development approval(s) granted under the Integrated Planning Act 1997 or its equivalent for the activities under this part.

Part 1 Schedule A - General conditions

- (1:A1-1) Provide a financial assurance in the amount and form and at a time required by the administering authority.

END OF CONDITIONS FOR SCHEDULE A

Part 1 Schedule I - Definitions

“Administering authority” means the Environmental Protection Agency or its successor.

END OF CONDITIONS FOR SCHEDULE I

Part 1 Schedule J - Site Plans

There are no conditions prescribed in this schedule.

END OF CONDITIONS FOR SCHEDULE J

END OF PART 1

PART 2 - LICENCE(S) (WITHOUT DEVELOPMENT APPROVAL) (Section 93)

Applicable Sites – Riverview and Rochedale Brick Manufacturing Plants

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. The conditions in this Part of this Integrated Environmental Authority are in addition to those contained in all of Part 4 of this Integrated Environmental Authority.

Part 2 Schedule A - General conditions

Refer to Part 4 Schedule A of this integrated authority.

END OF CONDITIONS FOR PART 2 SCHEDULE A

Part 2 Schedule B - Air

Nuisance

- (2:B1-2) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

The Release of Contaminants to the Atmosphere

- (2:B2-1) The release of contaminants to the atmosphere from a point source must only occur from those release points identified in Part 2 Schedule B - Table 1 and must be directed vertically upwards without any impedance or hindrance.
- (2:B2-2) Contaminants must be released to the atmosphere from a release point at a height and a flow rate not less than the corresponding height and velocity stated for that release point in Part 2 Schedule B - Table 1 and not more than the efflux temperature stated for that release point in Part 2 Schedule B - Table 1.
- (2:B2-3) Contaminants must not be released to the atmosphere from a release point at a mass emission rate/concentration, as measured at a monitoring point, in excess of that stated in Part 2 Schedule B - Table 1 and monitored not less frequently than Part 2 Schedule B Table 1.
- (2:B2-4) Monitoring provisions and monitoring points must be provided for all the release points listed in Part 2 Schedule B, Table 1. The monitoring provisions and monitoring points must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions".
- (2:B2-5) The holder of this environmental authority must conduct a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameters specified in Part 2 Schedule B, Table 1 and which complies with the following:
- (a) All determinations of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
 - (b) All determinations of the quality and quantity of contaminants released to the atmosphere must be made in accordance with methods prescribed in the Department of Environment Air Quality Sampling Manual, November 1997, or more recent editions or supplements to that document as such become available.



- (c) The following tests must be performed for each required determination specified in Part 2 Schedule B, Table 1:
- (i) gas velocity and volume flow rate;
 - (ii) temperature; and
 - (iii) water vapour concentration.
- (d) Where practicable, samples taken must be representative of the contaminants discharged when emissions are expected to be maximum.
- (e) During the sampling period the following additional information must be gathered:
- (i) production rate;
 - (ii) equipment operating;
 - (iii) product made;
 - (iv) date of sampling;
 - (v) start and end time of sampling;
 - (vi) fuel rate;
 - (vii) fluoride concentration in the mixture of clay used before and after fired (Rochedale only); and
 - (viii) proportion of each raw clay used (Rochedale only).
- (f) Oxides of nitrogen must be calculated as NO^2 at a 7 percent oxygen level and total particulates must be determined where gas volume is calculated to 12 percent CO^2 .

Part 2 Schedule B - Table 1 (Release of contaminants)

Release point number	Minimum release height (metres)	Minimum velocity (m/sec)	Minimum efflux temp (°C)	Contaminant	Release Limit	Sampling frequency
Riverview Plant A1 - Swindell Dressler Tunnel Kiln	25	8	n/a	Concentration total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Concentration nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
Rochedale Plant A1 - Swindell Dressler Tunnel Kiln	30	8.7	126	Total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.35	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually
Rochedale Plant A2 - Ceric Tunnel Kiln	15	9.5	124	Total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.88	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually

Riverview Plant

- (2:B3-1) Total Fluoride emissions from the release point numbered A1 at the Riverview Plant must not result in Ground Level Concentrations (GLC's) in excess of 3.7 ug/m³ for an averaging time of 12 hours and 0.5 ug/m³ for an averaging time of 90 days, beyond the boundaries of the licensed place.
- (2:B3-2) For the purposes of checking conformity with condition 2:B3-1, the results of the Fluoride monitoring as required in Part 2 Schedule B - Table 1 must be expressed as ugHF/m³ and modelled using an Appropriate Air Pollution Dispersion Modelling Program to determine the Ground Level Concentrations for the 12 hour and 90 day averaging time.
- (2:B3-3) The only fuel to be used in the Swindell Dressler Tunnel Kiln is natural gas.
- (2:B3-4) There must be no visible emission from release point number A1.

Rochedale Plant

- (2:B4-1) The only fuel to be used in the Swindell Dressler Tunnel Kiln (A1) and the Ceric Tunnel Kiln (A2) is natural gas.

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- (2:B4-2) There must be no visible emission from release point numbers A1 or A2.
- (2:B4-3) The holder of this environmental authority must conduct a vegetation survey to detect chemical fumigation when there is non-compliance with any limit in Part 2 Schedule B – Table 1 and/or with the fluoride mass emission rate in Part 2 Schedule B – Table 1, or within three (3) years of the last vegetation survey submitted to the administering authority.
- (2:B4-4) The vegetation survey required by condition 2:B4-3 must be conducted at Boorabbin Picnic Ground, along Stackpole Street, F R Caterson Park, along Mt Petrie Road, Gardner Road and Prebble Street.
- (2:B4-5) A person or body possessing appropriate experience and qualifications must perform the vegetation survey required by condition 2:B4-3 of this environmental authority.
- (2:B4-6) The holder of this environmental authority must ensure the data collected by conditions 2:B2-5 and 2:B4-3 of this environmental authority is analysed and interpreted to assess the nature and extent of any environmental impact of the environmentally relevant activity. The data, analysis and assessment must be submitted to the administering authority within three (3) months of the completion of any vegetation survey required by condition 2:B4-3.

END OF CONDITIONS FOR PART 2 SCHEDULE B

Part 2 Schedule C - Water

Release to waters – Rochedale Plant only

- (2:C1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Part 2 Schedule C - Table 1 and comply with the contaminant limits defined in Part 2 Schedule C - Table 2.

Part 2 Schedule C - Table 1 (Water monitoring locations and frequency)

Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"

Part 2 Schedule C - Table 2 (Discharge contaminant limits)

Monitoring Point	Parameter	Minimum	Maximum
R3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*

* For the same monitoring event

Stormwater Management Plan – Rochedale Plant Only

- (2:C2-1) The holder of this environmental authority must have developed and implemented an effective and appropriate Stormwater Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from the contamination of stormwater at the licensed place.
- (2:C2-2) The Stormwater Management Plan must address at least the following matters:
- prevention of incident stormwater and stormwater runoff from contacting wastes or contaminants; and
 - diversion of upstream runoff away from areas containing wastes or contaminants; and
 - minimisation of the size of contaminated areas; and
 - cleaning of contaminated areas without water; and
 - installation and maintenance of pollution control equipment such as oil separators, silt and rubbish traps, and stormwater diversion systems; and
 - installation and maintenance of sediment control measures for stormwater such as by means of coagulation, sedimentation, dissolved air flotation, settling basins or other suitable means; and
 - paving and roofing of contaminated areas; and
 - revegetation of exposed or disturbed areas; and
 - diversion of upstream runoff from exposed or disturbed areas and stockpiles; and
 - sampling and monitoring of stormwater discharges from the licensed place to waters for parameters including the following:
 - suspended solids, and
 - pH.

END OF CONDITIONS FOR PART 2 SCHEDULE C

Part 2 Schedule D - Noise

- (2:D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (2:D1-2) All noise from activities must not exceed the levels specified in Part 2 Schedule D - Table 1 at any noise affected premises.

Part 2 Schedule D Table 1: Noise Limits

Noise level dB(A) measured as	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm - 10pm	10pm - 7am	9am - 6pm	6pm - 10pm	10pm - 9am
Noise measured at a 'Noise sensitive place'						
L _{A10} , adj, 10 mins	b/g+5	b/g+5	b/g+3	b/g+5	b/g+5	b/g+0
L _{A1} , adj, 10 mins	b/g+10	b/g+10	b/g+5	b/g+10	b/g+10	b/g+5
Noise measured at a 'Commercial place'						
L _{A10} , adj, 10 mins	b/g+10	b/g+10	b/g+8	b/g+10	b/g+10	b/g+5
L _{A1} , adj, 10 mins	b/g+15	b/g+15	b/g+10	b/g+15	b/g+15	b/g+10



Note: The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Manuals. Noise monitoring

(2:D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. 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; and
- location, date and time of recording.

(2:D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR PART 2 SCHEDULE D

Part 2 Schedule E – Waste

The conditions of this Part 2 Schedule E Waste Schedule apply to the Rochedale Plant only, in addition to those conditions in Part 4 Schedule E.

Waste Management Plan (WMP)

- (2:E1-1) The holder of this environmental authority, must develop and implement an effective and appropriate Waste Management Plan which details how the holder of this environmental authority will manage the actual and potential environmental impacts resulting from all wastes produced at the licensed place.
- (2:E1-2) The Waste Management Plan must address at least the following matters:
- (a) the quantity and nature of each waste produced;
 - (b) the current method of disposal;
 - (c) proposed methods of pre-treatment or disposal;
 - (d) expected reduction in quantity of waste produced through waste minimisation and cleaner production;
 - (e) investigation and evaluation of alternative treatment options;
 - (f) areas to be set aside for the segregation and storage of recyclable solid wastes;
 - (g) where a no-cost recycling service is available, reasonable and practicable steps must be taken to ensure recyclable waste is not deposited in the general waste stream. Such steps may include, but are not limited to provision of receptacles; suitable signage; and promotion of awareness among staff of the recycling service.
 - (h) provisions for carrying out and submitting to the administering authority a waste audit within 12 months from the date of issue of this environmental authority and thereafter every five (5) years.

- (2:E1-3) A copy of the Waste Management Plan and subsequent amendments must be kept at the licensed place and must be made available to any authorised person or the administering authority on request.
- (2:E1-4) The holder of this environmental authority must not implement a Waste Management Plan or amend a Waste Management Plan where such implementation or amendment would result in a contravention of any condition of this environmental authority.

On Site Waste Disposal

- (2:E2-1) The defined on site waste disposal area is described as "Waste Disposal Area" delineated on Figure 1 of Appendix 1.
- (2:E2-2) Only the following general waste, which is generated by the brickworks operation, is to be disposed of at the Waste Disposal Area:
 - (i) broken and reject bricks, pavers and other ceramic products;
 - (ii) timber;
 - (iii) plastic, paper and cardboard; and
 - (iv) concrete and concrete products with or without reinforcing steel.
- (2:E2-3) Where general waste associated with the manufacture of bricks or pavers on the licensed place is disposed of on the premises (other than as permitted by another schedule of this environmental authority), the holder of this environmental authority must monitor and record:
 - (a) the date, quantity and type of waste disposed; and
 - (b) the location of disposal of the waste; and
 - (c) the method of disposal of the waste.
- (2:E2-4) Appropriate signs must be prominently displayed at the waste disposal area or appropriate written instructions must be given to all persons responsible for depositing waste:
The signs or written instructions must at least indicate:
 - (i) the types of waste that may be disposed;
 - (ii) the types of waste which must not be disposed;
 - (iii) the location where the wastes must be deposited within the general waste disposal area, and
 - (iv) that open burning of waste is prohibited.
- (2:E2-5) Wastes must not be deposited beyond the boundaries of the waste disposal area.
- (2:E2-6) Regulated waste must not be stored or disposed of or deposited in the waste disposal area.

Security

- (2:E3-1) The holder of this environmental authority must prevent any unauthorised disposal of waste on or in the licensed place.
- (2:E3-2) The holder of this environmental authority must ensure that all access gates are locked when the licensed place is unattended.

END OF CONDITIONS FOR PART 2 SCHEDULE E



Part 2 Schedule F - Land

Release of Contaminants to Land

- (2:F1-1) There must be no release nor likelihood of release of any contaminants to land that may cause environmental harm or contribute to contamination of such land.

END OF CONDITIONS FOR PART 2 SCHEDULE F

Part 2 Schedule G - Community

Refer to Part 2 Schedule G of this authority.

END OF CONDITIONS FOR PART 2 SCHEDULE G

END OF PART 2

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PART 3 - ENVIRONMENTAL AUTHORITY (MINING LEASE) (Section 258)

This part is for the carrying out of an environmental authority (mining activities) for a mining lease under chapter 5, parts 1, 2 and 6 of the Environmental Protection Act 1994. The conditions in this Part of this Integrated Environmental Authority are in addition to those contained in all of Part 4 of this Integrated Environmental Authority.

Part 3 Schedule A - General

Financial Assurance

- (3:A1-1) Provide a financial assurance in the amount and form required by the administering authority prior to the commencement of activities proposed under this environmental authority.

NOTE: The calculation of financial assurance for condition (3:A1-1) must be in accordance with Guideline 17 and may include a performance discount. The amount is defined as the maximum total rehabilitation cost for complete rehabilitation of all disturbed areas, which may vary on an annual basis due to progressive rehabilitation. The amount required for the financial assurance must be the highest Total Rehabilitation Cost calculated for any year of the Plan of Operations and calculated using the formula: (Financial Assurance = Highest Total Annual Rehabilitation Cost x Percentage Required)

- (3:A1-2) The financial assurance is to remain in force until the administering authority is satisfied that no claim on the assurance is likely.

NOTE: Where progressive rehabilitation is completed and acceptable to the administering authority, progressive reductions to the amount of financial assurance will be applicable where rehabilitation has been completed in accordance with the acceptance criteria defined within this environmental authority.

END OF CONDITIONS FOR PART 3 SCHEDULE A

Part 3 Schedule B - Air

Refer to Part 4 Schedule B of this Integrated Authority.

END OF CONDITIONS FOR PART 3 SCHEDULE B

Part 3 Schedule C - Water

Release to waters

- (3:C1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Part 3 Schedule C - Table 1 (at the locations depicted in Appendix 1 Figures 1, 2, 3 and 4) and comply with the contaminant limits defined in Part 3 Schedule C - Table 2.

Part 3 Schedule C - Table 1 (Water monitoring locations and frequency)

*Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)				
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"
R4	Background for points R2 and R5	510500	6951200	When points R2 and/or R5 are sampled
R2	Discharge	510880	6951600	Each Pumped Release
R5	Discharge	511470	6952600	"Event Release" and each pumped release
Burbank Lease (ML1152)				
B1	Discharge	513890	6949050	"Event Release"
Redland Bay Lease (ML50035)				
RB1	Discharge	526590	6943600	"Event Release"
RB2	Discharge	526350	6943600	"Event Release"
RB3	Discharge	526160	6943250	"Event Release"
Oxley Lease (ML1167)				
O1	Discharge	497350	6951000	Each Pumped Release

* Refer to Appendix 1 Figures 1, 2, 3 and 4 for monitoring locations.

Part 3 Schedule C - Table 2 (Contaminant release limits)

Monitoring Point	Parameter	Minimum	Maximum
Rosedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)			
R2 and R5	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R4*
R3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*
Burbank Lease (ML1152)			
B1	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50
Redland Bay Lease (ML50035)			
RB1, RB2, RB3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50
Oxley Lease (ML1167)			
O1	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50

* for the same monitoring event

Part 3 Schedule D - Noise and vibration

Noise nuisance

- (3:D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (3:D1-2) All noise from activities must not exceed the levels specified in Part 3 Schedule D - Table 2 at any noise affected premises.
- (3:D1-3) No mining activities may be undertaken outside of the hours for the sites listed in Part 3 Schedule 3 Table 1, unless the activities are solely for pollution control.

Part 3 Schedule D - Table 1: Operating Hours

Tenure(s) – mining leases	Location	Hours
1151, 1156, 1165, 50165, 50189	Rosedale	Mon-Fri 6am – 6pm; Sat 6am-5pm
1152	Burbank	Mon-Fri 7am – 5pm
50035	Redland Bay	Mon-Fri 7am – 6pm; Sat 7am-4pm
1167	Oxley	Mon-Fri 7am – 5pm
4578	Swanbank	Mon-Sat daylight hours
50115	New Chum	Mon-Sat daylight hours

Part 3 Schedule D - Table 2 (Noise limits)

Noise level dB(A) measured as	Monday to Saturday	
	6am - 7am	7am - 6pm
	Noise measured at a 'Noise sensitive place'	
L _{A10} , adj, 10 mins	b/g+3	b/g+5
L _{A1} , adj, 10 mins	b/g+5	b/g+10
	Noise measured at a 'Commercial place'	
L _{A10} , adj, 10 mins	b/g+8	b/g+10
L _{A1} , adj, 10 mins	b/g+10	b/g+15

Noise monitoring

(3:D2-1) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within 14 days to the administering authority. 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; and
- location, date and time of recording.

(3:D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR PART 3 SCHEDULE D

Part 3 Schedule E - Waste

Refer to Part 4 Schedule E of this integrated authority.

END OF CONDITIONS FOR PART 3 SCHEDULE E

Part 3 Schedule F - Land

Rehabilitation landform criteria

(3:F1-1) All areas significantly disturbed by mining activities must be rehabilitated in accordance with Part 3 Schedule F – Table 1.

Part 3 Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule)

Tenure ID	Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
ROCHEDALE LEASES			
ML1151	Infrastructure (brick manufacturing and ancillary facilities)	22.5	Industrial
	Mine void	7.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	4.0	Native Ecosystem
ML1156	Mine void	31.5	Industrial
	Sediment traps / water basins	2.0	Industrial or Wetland Type 1
	Amenity banks / buffers		Native Ecosystem
ML1165	Mine void	5.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	0.8	Native Ecosystem
ML50165	Mine void	3.7	Wetland Type 2
	Amenity banks / buffers	3.2	Native ecosystem
ML50189	Mine void	5.2	Wetland Type 2
	Amenity banks / buffers	1.6	Native Ecosystem
BURBANK LEASE			
ML1152	Mine void	24	Native Ecosystem
	Sediment traps / water basins	0.6	Wetland Type 1
	Roads	1	No rehabilitation required – retain
	Buffer	8.8	Native Ecosystem
REDLAND BAY LEASE			
ML50035	Mine void	17.2	To be determined
	Sediment traps / water basins	1	Wetland Type 1
	Roads	0.8	No rehabilitation required – retain
	Buffer	4	Native Ecosystem
OXLEY LEASE			
ML1167	Mine void	7.8	Industrial
	Sediment traps / water basins	0.5	Wetland Type 1
	Roads	0.5	No rehabilitation required – retain
	Buffer	6.6	No rehabilitation required – retain / Residential
NEW CHUM LEASE			
ML50115	Mine voids	31.0	Industrial
	Spoil stockpiles	13	Industrial
	Roads	3.0	No rehabilitation required – retain
	Water Storages	1.5	No rehabilitation required – retain

Part 3 Schedule F - Table 1 (Final Land Use and Rehabilitation Outcome Schedule) - continued

Tenure ID	Disturbance Type	Projective Surface Area (ha)	Rehabilitation Outcome
SWANBANK LEASE			
ML4578	Mine voids	17.2	Industrial
	Stockpile areas	3.3	Industrial
	Spoil stockpiles	10	Industrial
	Roads / power line easements	3.3	No rehabilitation required - retain
	Water Storages	0.8	No rehabilitation required - retain

Rehabilitation Outcome – Industrial or Residential

- (3:F2-1) Subject to conditions 3:F2-2, 3:F2-3 and 3:F2-4, disturbed land nominated for industrial or residential rehabilitation outcome will be considered rehabilitated when the land is stabilised and does not, or will not have potential to cause environmental harm to the environmental values.
- (3:F2-2) Disturbed land and/or mine voids remaining at the end of mine life and nominated for the rehabilitation outcome of industrial, will only be considered suitable for surrender when a development approval and environmental authority (with development approval) application (or applicable local government and environmental approvals (or lawful use) relevant at the time) has been approved for the proposed activities.
- (3:F2-3) In the event of an unsuccessful development application (or other requirement at the time) for proposed industrial activities, an application must be made by the holder of this environmental authority to nominate an alternative rehabilitation outcome.
- (3:F2-4) To remove any doubt, the nomination of the final land use of industrial or residential in Part 3 Schedule F Table 1, does not negate any local or state government planning or approval requirements for the development of that land.

Rehabilitation Outcome – Native Ecosystem

- (3:F3-1) Areas that are to be rehabilitated to native ecosystem must comply with the following outcomes:
- achievement of a self sustaining native ecosystem with a species composition and distribution similar to the pre-mining species composition and distribution; and
 - the landform must be suitable to support the ecosystem in 3:F3-1 a), not impede fauna corridors and be stable and non-polluting.
- (3:F3-2) Complete an investigation into rehabilitation of disturbed areas and submit a report to the administering authority proposing acceptance criteria to meet the outcomes in 3:F3-1. A report on the investigation, which will propose acceptance criteria, must be submitted to the administering authority by 30 June 2005.

Rehabilitation Outcome – Wetland Type 1 (rehabilitated sediment dams)

- (3:F4-1) Areas that are to be rehabilitated to wetland type 1 outcome will be considered rehabilitated when the dams are revegetated with species appropriate to filter contaminants from the water, and water discharges from the dams do not exceed the total suspended solids value of the inflow to the pond.

Rehabilitation Outcome – Wetland Type 2 (water filled voids)

- (3:F5-1) Complete an investigation into rehabilitation of disturbed areas to wetland type 2 outcome and submit a report to the administering authority proposing acceptance criteria. A report on the investigation and proposals for acceptance criteria must address:
- water quality to be achieved in the water filled void;
 - water quality to be achieved for any discharges from the void; and
 - revegetation standards to be met for the fringes of the void.
- and the report must be submitted to the administering authority by 30 June 2005.

Buffer Zones

- (3:F6-1) There must be no mining activities conducted in the buffer zones or wildlife corridor areas identified in Appendix 1 Figures 1, 2, 3 and 4, other than for the construction or removal of amenity banks, environmental control works, and activities involved with access or provision of services to the lease areas.

Open Area and Progressive Rehabilitation

- (3:F7-1) The *open area* for the relevant mining lease must not exceed the area described in Part 3 Schedule F Table 2.

Part 3 Schedule F Table 2 – Open Area Limits

Tenure	Location	Open Area Limit (Ha)
ML 1152	Ford Road, Burbank	4

- (3:F7-2) Subject to condition 3:F7-1, progressive rehabilitation must commence within three years of areas become available within the operational land.

Infrastructure

- (3:F8-1) All infrastructure, constructed by or for the environmental authority holder during the mining activities including water storage structures, must be removed from the site prior to mining lease surrender, except where agreed in writing by the post mining land owner / holder.

NOTE: This is not applicable where the landowner / holder is also the environmental authority holder.

Rehabilitation Outcome – To be determined

- (3:F9-1) The final land use of mine voids for Redland Bay lease (MR 50035) is to be determined by a Planning Use Study which is to be consistent with any Planning Scheme and any rehabilitation outcome.
- (3: F9-2) The Planning Use Study report must be submitted to the administering authority by 30 June 2005.

END OF CONDITIONS FOR PART 3 SCHEDULE F

Part 3 Schedule G - Community

Refer to Part 4 Schedule G of this integrated authority

END OF CONDITIONS FOR PART 3 SCHEDULE F

END OF PART 3

R

PART 4 – CONDITIONS APPLICABLE TO BOTH PART 2 (LICENCES [WITHOUT DEVELOPMENT APPROVAL][Section 93]) AND PART 3 (ENVIRONMENTAL AUTHORITY [MINING LEASE] [Section 258])

Applicable Sites – Riverview and Rochedale Brick Manufacturing Plants and all mining leases.

This part contains conditions that are applicable to all locations and environmental authority types contained within Part 3 and Part 4 of this Integrated Authority.

Part 4 Schedule A - General conditions

Prevent and /or minimise likelihood of environmental harm

- (4:A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of Measures, Plant and Equipment

- (4:A2-1) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - maintain such measures, plant and equipment in a proper condition; and
 - operate such measures, plant and equipment in a proper manner.

Records

- (4:A3-1) Record, compile and keep all monitoring results required by Parts 2, 3 and 4 of this integrated authority and present this information to the administering authority when requested, in a specified format.

Storage and Handling of Flammable and Combustible Liquids

- (4:A4-1) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

Definitions

- (4:A5-1) Words and phrases used throughout this EA are defined in Part 4 Schedule H – Definitions. Where a definition for a term used in this EA is sought and the term is not defined within this EA, the definitions in the Environmental Protection Act 1994, its Regulations and Environmental Protection Policies must be used.

Integrated Environmental Management System (IEMS)

- (4:A6-1) Prior to the commencement of any environmentally relevant activity ('the activities') under this environmental authority, the holder of this environmental authority must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (4:A6-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
 - Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
 - Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
 - Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.
- (4:A6-3) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out the activities.

Part 4 Schedule B - Air

Dust nuisance

- (4:B1-1) Subject to Conditions (4:B1-2) and (4:B1-3) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.



- (4:B1-2) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a 24hr averaging time.
- (4:B1-3) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (4:B1-1):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 a sensitive or commercial place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;
 - or
 - Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.
- NOTE: You must propose which monitoring method is appropriate in accordance with condition (4:B1-3) (a) or (b) or both.

Dust Control

- (4:B2-1) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (4:B2-2) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dust suppressants and wind breaks.
- (4:B2-3) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR PART 4 SCHEDULE B

Part 4 Schedule D - Noise and Vibration

Refer to Part 3 Schedule D of this integrated authority for mining activity conditions

Refer to Part 2 Schedule D of this integrated authority for non-mining conditions.

END OF CONDITIONS FOR PART 4 SCHEDULE D

Part 4 Schedule E – Waste

General

- (4:E1-1) The holder of this environmental authority must not:
- (i) burn waste at or on the licensed place; nor
 - (ii) allow waste to burn or be burnt at or on the licensed place; nor
 - (iii) remove waste from the licensed place and burn such waste elsewhere.

Off Site Movement

- (4:E2-1) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must 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).

- (4:E2-2) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Records

- (4:E3-1) Records must be maintained for a period of five (5) years for all wastes mentioned in this schedule.

Notification of Improper Disposal Of Regulated Waste

- (4:E4-1) If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or which is improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

END OF CONDITIONS FOR PART 4 SCHEDULE E

Part 4 Schedule F - Land

There are no conditions prescribed for this schedule.

END OF CONDITIONS FOR PART 4 SCHEDULE F

Part 4 Schedule G – Community

Complaint response

- (4:G1-1) All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed and actions taken. This information must be made available for inspection by the administering authority on request.

END OF CONDITIONS FOR PART 4 SCHEDULE G

Part 4 Schedule H – Definitions

“acceptance criteria” means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

“airblast overpressure” means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

“ambient (or total) noise” at a place, means the level of noise at the place from all sources (near and far), measured as the Leq for an appropriate time interval.

“competent person” means a person with the demonstrated skill and knowledge required to carry out the task to a standard necessary for the reliance upon collected data or protection of the environment.

“authority” means environmental authority (mining activities) under the *Environmental Protection Act 1994*.

“blasting” means the use of explosive materials to fracture-

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse.

“commercial place” means a place used as an office or for business or commercial purposes, other than a place within the boundaries of the operational land.

“dam” means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.

“environmental authority holder” means the holder of this environmental authority.

“event release” means when water is released and which must occur at least four times per year.

"flowable substance" means matter or mixture of materials which can be forced to or otherwise flow under any conditions possible in a situation. It includes water, other liquids or a mixture that includes water or any other liquid or suspended solids.

"hazardous waste" means any substance, whether liquid, solid or gaseous, derived by or resulting from, the processing of minerals that tends to destroy life or impair or endanger health.

"IEMS / Project EMOS" document titled "Environmental Management Overview Strategy (consolidating mining project numbers PJ50036, 50134, 50128 and 50150) incorporating Integrated Environmental Management System (mining, manufacturing and extractive industries). Prepared for The Austral Brick Company Pty Ltd. Prepared by Groundwork Environmental Management Services Pty Ltd., October 2002".

" $L_{A\ 10, \text{adj}, 10 \text{ mins}}$ " 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.

" $L_{A\ 1, \text{adj}, 10 \text{ mins}}$ " 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

" $L_{A, \text{max adj}, T}$ " means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"land capability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land suitability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land use" term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

"mandatory reporting level" means the volume below the spillway crest, equivalent to the lower of the AEP, 72 hour storm or the AEP wave allowance (AEP is the annual exceedence probability).

"mineral" means a substance which normally occurs naturally as part of the earth's crust or is dissolved or suspended in water within or upon the earth's crust and includes a substance which may be extracted from such a substance, and includes—

- (a) clay if mined for use for its ceramic properties, kaolin and bentonite;
- (b) foundry sand;
- (c) hydrocarbons and other substances or matter occurring in association with shale or coal and necessarily mined, extracted, produced or released by or in connection with mining for shale or coal or for the purpose of enhancing the safety of current or future mining operations for coal or the extraction or production of mineral oil therefrom;
- (d) limestone if mined for use for its chemical properties;
- (e) marble;
- (f) mineral oil or gas extracted or produced from shale or coal by in situ processes;
- (g) peat;
- (h) salt including brine;
- (i) shale from which mineral oil may be extracted or produced;
- (j) silica, including silica sand, if mined for use for its chemical properties;
- (k) rock mined in block or slab form for building or monumental purposes;

but does not include—



- (l) living matter;
- (m) petroleum within the meaning of the Petroleum Act 1923;
- (n) soil, sand, gravel or rock (other than rock mined in block or slab form for building or monumental purposes) to be used or to be supplied for use as such, whether intact or in broken form;
- (o) water.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"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.

and includes the curtilage of such place.

"noxious" means harmful or injurious to health or physical well being, other than trivial harm.

"non-standard" means a mining operation that if in the opinion of the administering authority does not have a low risk of serious environmental harm and the activities can not comply with the criteria for standard mining activities prescribed in schedule 1A of the *Environmental Protection Regulation 1998*. The standard mining activity trigger criteria are as follows;

- the mining activities do not or will not cause more than 10 ha of land to be significantly disturbed at any one time;
- the mining activities do not or will not cause more than 5 ha of land to be significantly disturbed at any one time;
 - (a) in a riverine area;
 - (b) because of mine workings;
- the mining activities are not or will not be carried out in, or within 2 km of a category A *Environmentally Sensitive Area*;
- the mining activities are not or will not be carried out in, or within 1 km of a category B environmentally sensitive area;
- the mining activities do not include a level 1 environmentally relevant activity
- no more than 20 persons are carrying out or will, at any one time, carry out the mining activities;

"offensive" means causing reasonable offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive, other than trivial harm.

"open area" means those parts of the mining lease that are cleared in preparation for, or to conduct mining, but have not had *rehabilitation* commence. Open area excludes permanent roads, fixed plant and water quality control devices.

"peak particle velocity (ppv)" means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms^{-1}).

"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.

"progressive rehabilitation" means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

"reference site" (or analogue site) may reflect the original location, adjacent area or another area where rehabilitation success has been completed for a similar biodiversity. Details of the reference site may be as photographs, computer generated images and vegetation models etc.

"rehabilitation" the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

"representative" means a sample set which covers the variance in monitoring or other data either due to natural changes or operational phases of the mining activities.

"residual void" means an open pit resulting from the removal of ore and/or waste rock which will remain following the cessation of all mining activities and completion of rehabilitation processes.

"self sustaining" means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

"significant disturbance" – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant environmental authority; or
 - ii. if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

"sensitive place" means;

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- an educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or



- a public park or gardens; or
- a place used as a workplace; an office or for business or commercial purposes which is not part of the mining activity and does not include employees accommodation or public roads.

"spillway" means passage or outlet from the dam through which surplus water flows.

"stable" means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

"trivial harm" means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5,000.

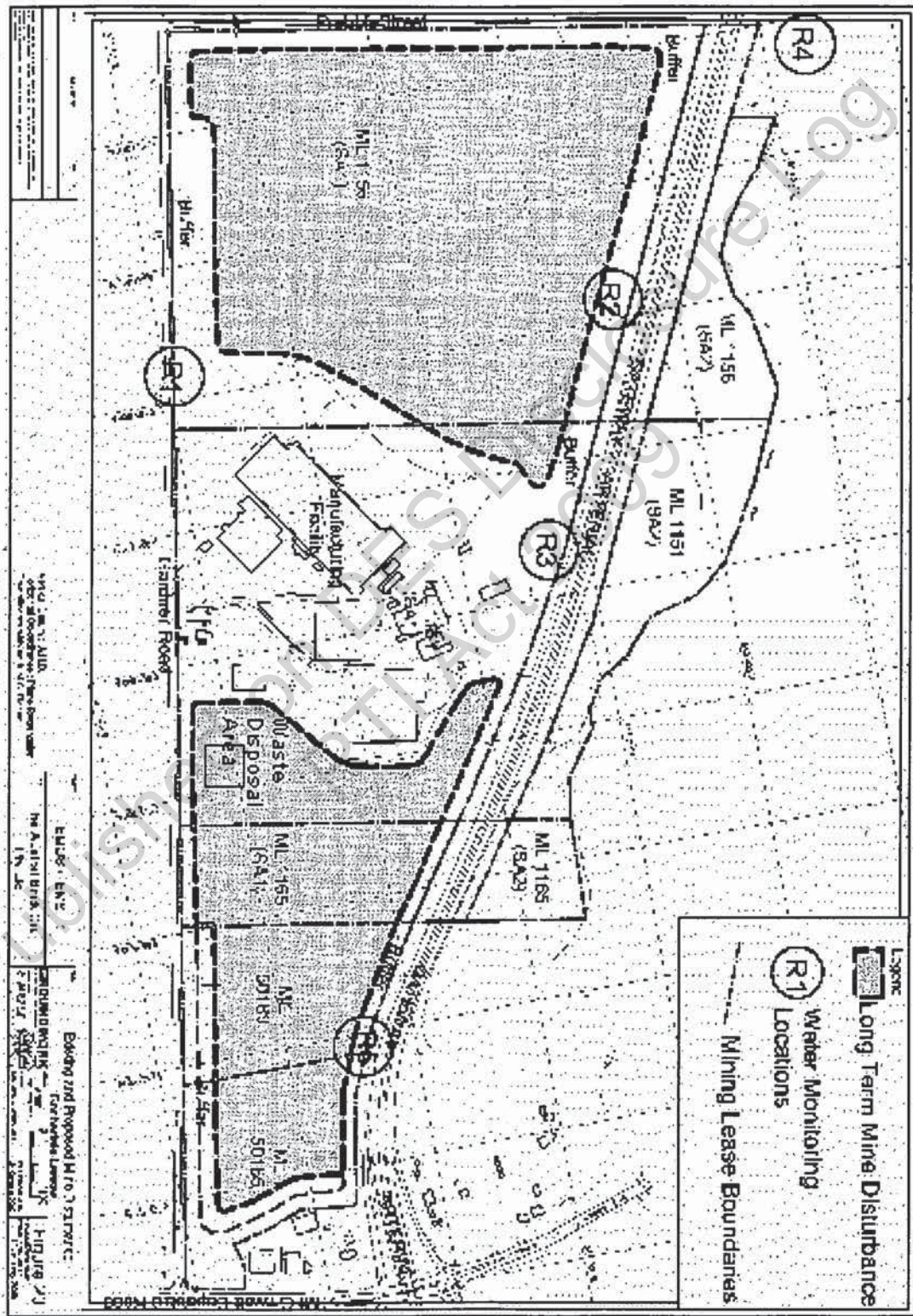
"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea) or any part thereof.

END OF CONDITIONS FOR PART 4 SCHEDULE I

END OF PART 4

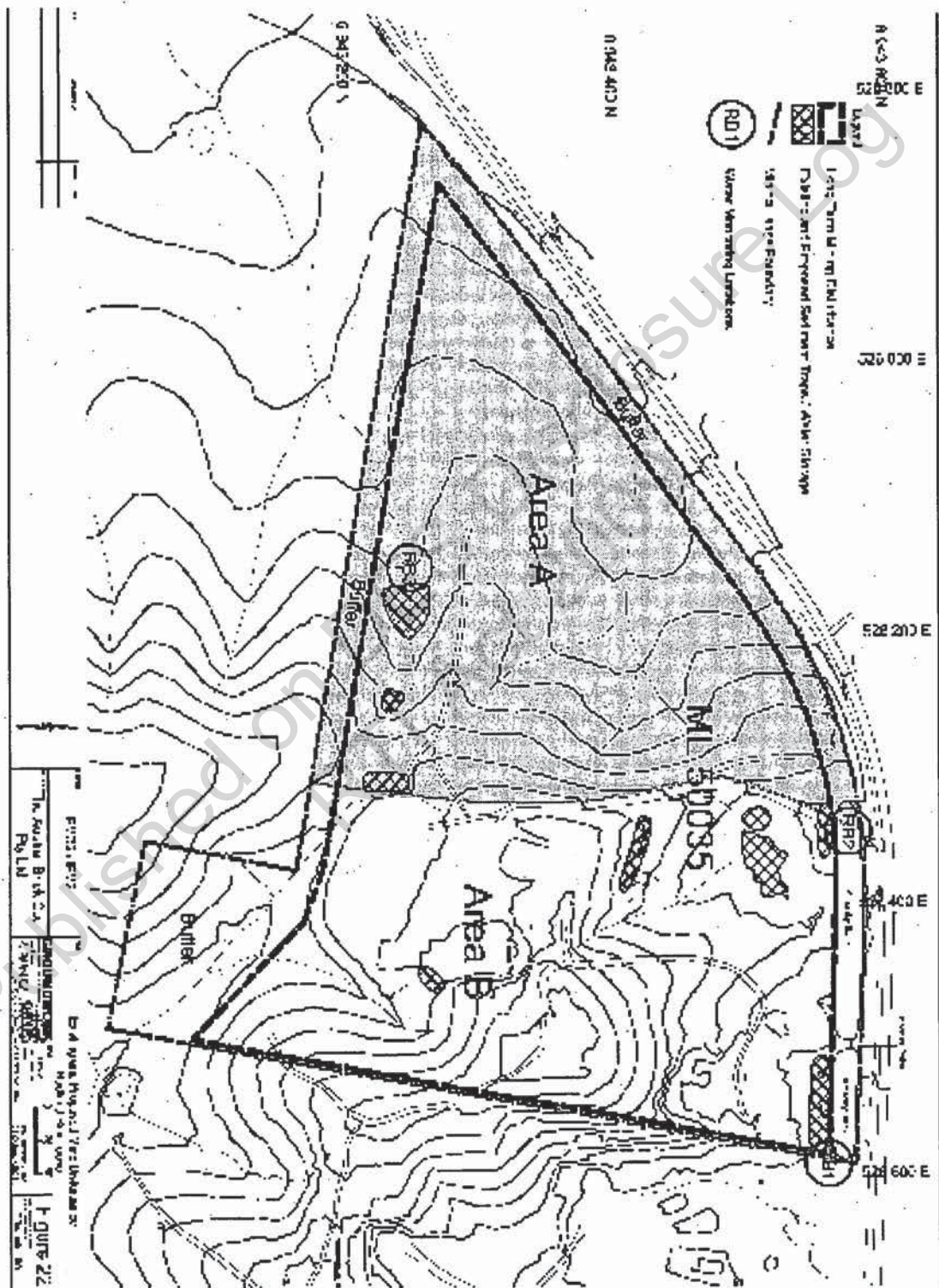
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RTI Act 2009

APPENDIX 1 – FIGURE 1 **Rochedale Plant and Mining Leases – Waste Disposal Area, Water Monitoring** **Locations and Buffer Zones**



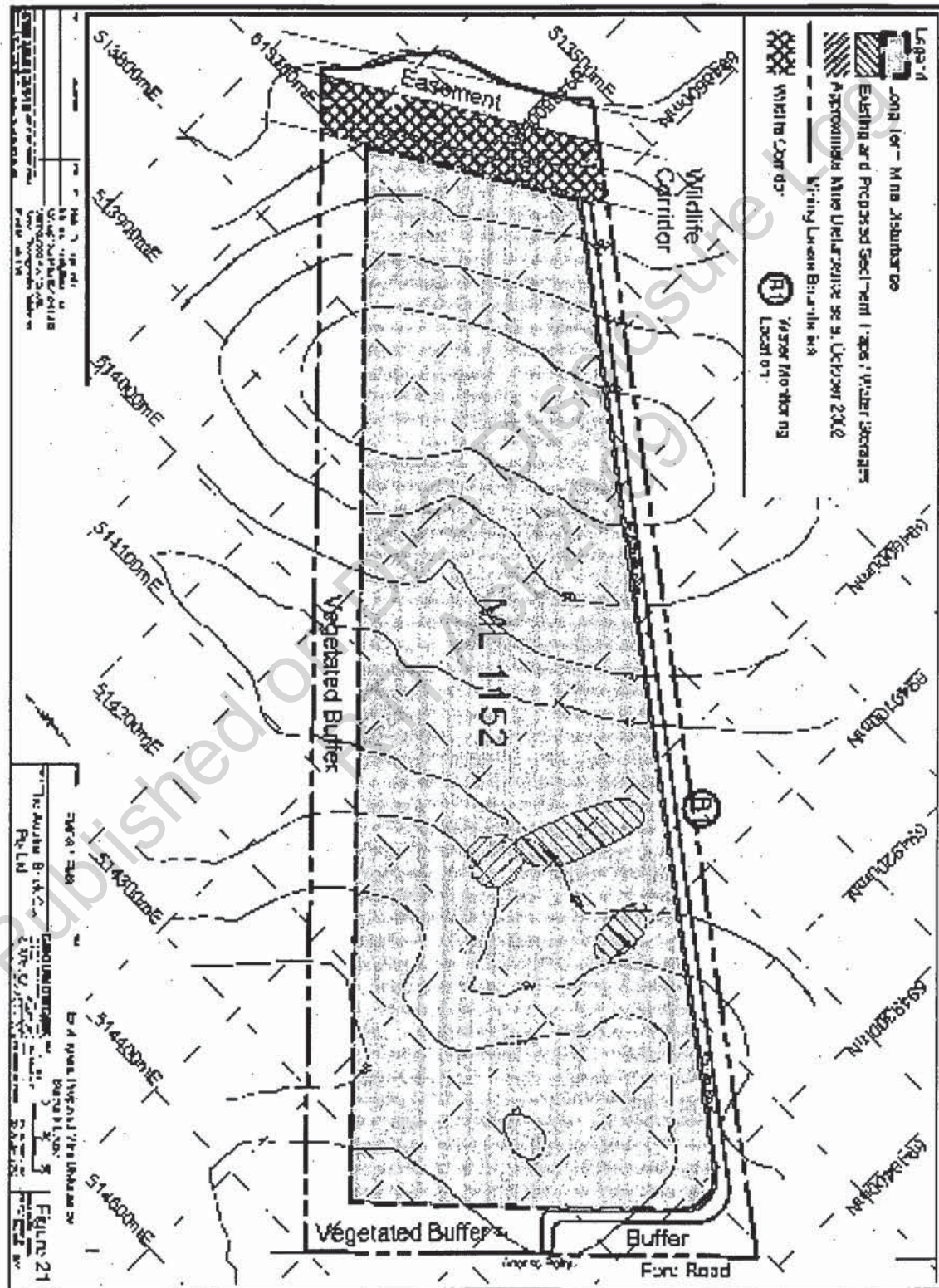
APPENDIX 1 – FIGURE 2

ML 50035 German Church Road Redland Bay – Monitoring Locations and Buffer Zones

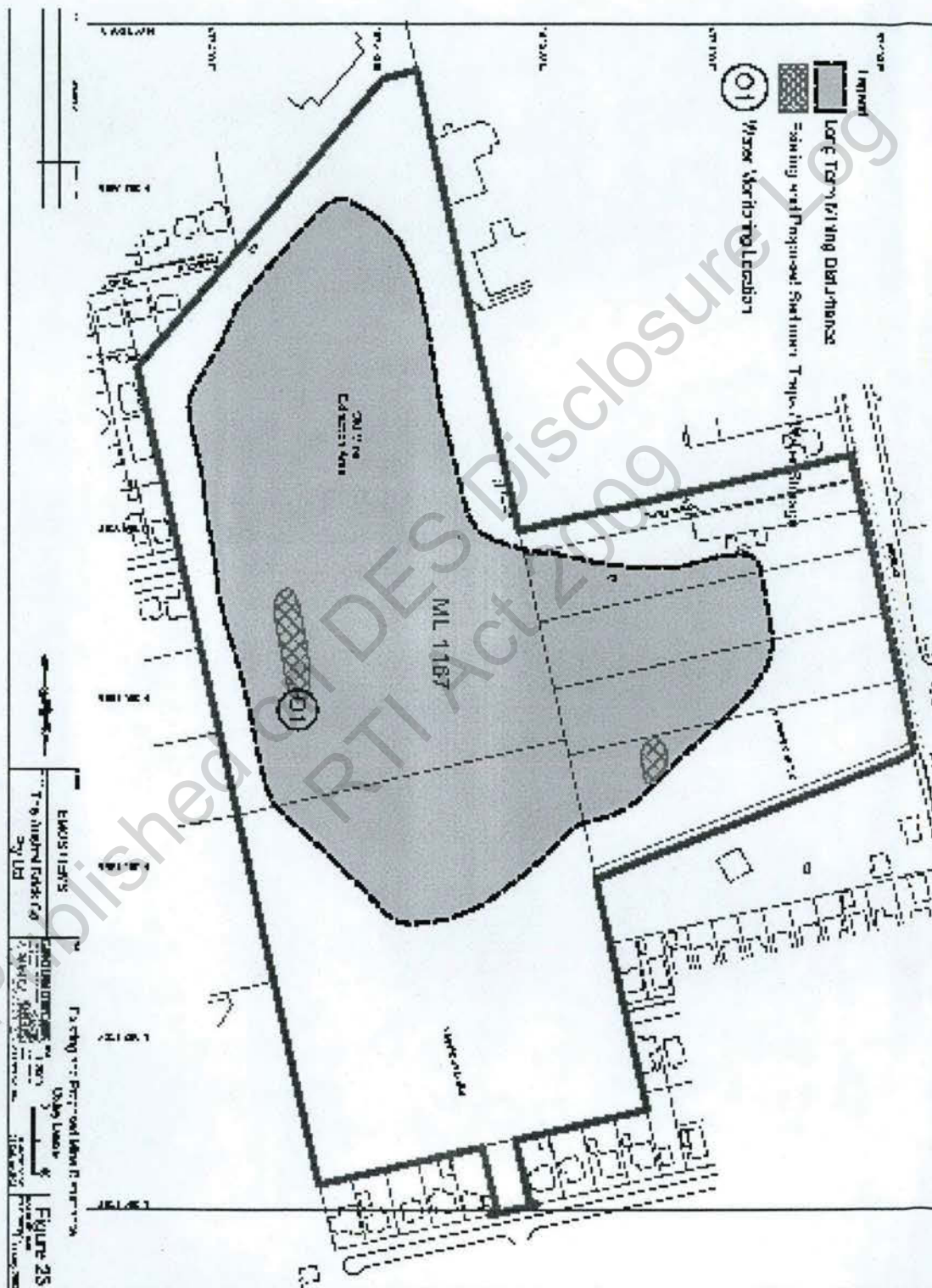




APPENDIX 1 – FIGURE 3
ML 1152 Ford Road Burbank – Monitoring Locations and Buffer Zones



APPENDIX 1 – FIGURE 4
ML 50035 German Church Road Redland Bay – Monitoring Locations and Buffer Zones



END OF INTEGRATED AUTHORITY

Notice

Environmental Protection Act 1994

Notice of Decision – Amendment Application

This notice is issued by the Department of Environment and Heritage Protection to advise of a statutory decision made under section 277 of the Environmental Protection Act 1994.

Groundwork Plus
PO Box 1779
MILTON QLD 4064

cc./ The Mining Registrar
Department of Natural Resources & Mines
PO Box 1476
COORPAROO QLD 4151
Attn: Craig Watson

Dear Sir / Madam

Our Reference: 241391

Re: Amendment to environmental authority (mining lease) No. MIN101484410 for Mining Lease (ML) 1167

The Department of Environment and Heritage Protection (the department) has assessed the application received on 17 December 2012 to amend environmental authority (mining activities) number MIN101484410 and wishes to advise you that the application has been granted.

Please find attached amended Environmental Authority (relating to amendment of conditions to remove surrendered Mining Lease (ML) 1167) issued for the following:

Environmental Authority Number	Authorised Mining Tenement	Applicant
MIN101484410	ML1151	The Austral Brick Company Pty Ltd
	ML1156	
	ML1165	
	ML50165	
	ML50189	
	ML1152	

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Notice of Decision – Amendment Application

	ML50035	
	ML4578	
	ML50115	

If you require more information please contact Rebecca Walton, the Project Manager, on (07) 3137 4257.

Yours Sincerely

73(2)Irrelevant

Peter Vasel
Delegate
Department of Environment and Heritage
Protection
18 January 2013

Enquiries:
400 George Street
GPO Box 2454
Queensland 4001 Australia
Telephone (07) 3137 4257
Fax (07) 3330 5754
Website www.ehp.qld.gov.au
Email rebecca.walton@ehp.qld.gov.au

Permit¹

Environmental Protection Act 1994 Amended Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project

Permit¹ Number: MIN101484410

This permit is issued by the administering authority to authorise the activity specified in the permit in accordance with the conditions specified in the permit. This decision was made pursuant to Section 207 of the Environmental Protection Act 1994.

Takes Effect From: 18-JAN-2013

Details

Permit Holder(s)	Name	Address
Principal Holder	The Austral Brick Company Pty Ltd	105 Gardner Road ROCHEDALE QLD 4123

Activity(s)	Location(s)
Mining activity - schedule 6, item 12 a level 1 mining project, other than a level 1 mining project mentioned in items 1 to 11	ML1151 ML1152 ML1156 ML1165 ML4578 ML50115 ML50035 ML50165 ML50189

Delete this sentence if the status of the document is not final <The anniversary date of the environmental authority is 18 JANUARY.

The environmental authority is subject to the attached conditions of approval.

73(2)Irrelevant

Peter vaser
Delegate
Department of Environment and Heritage Protection
17-JAN-2013

Enquiries:

Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
Brisbane Queensland 4001
Phone: 1300 130 372
Fax: 07 3330 5875
E-mail: palm@ehp.qld.gov.au

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

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Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410

This **Environmental Authority** incorporates the following schedules:

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

Schedule A – General

Prevent and/or minimise the likelihood of environmental harm

- (A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and/or minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority¹.

Financial Assurance

- (A2-1) Provide a financial assurance² in the amount and form required by the administering authority prior to the commencement of activities proposed under this environmental authority.
- (A2-2) The financial assurance is to remain in force until the administering authority is satisfied that no claim on the assurance is likely³.

¹ NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

² NOTE: The calculation of financial assurance for condition (A1-1) must be in accordance with Guideline 17 and may include a performance discount. The amount is defined as the maximum total rehabilitation cost for complete rehabilitation of all disturbed areas, which may vary on an annual basis due to progressive rehabilitation. The amount required for the financial assurance must be the highest Total Rehabilitation Cost calculated for any year of the Plan of Operations and calculated using the formula: (Financial Assurance = Highest Total Annual Rehabilitation Cost x Percentage Required).

³ NOTE: Where progressive rehabilitation is completed and acceptable to the administering authority, progressive reductions to the amount of financial assurance will be applicable where rehabilitation has been completed in accordance with the acceptance criteria defined within this environmental authority

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410

Maintenance of Measures, Plant and Equipment

- (A3-1) The holder must:
- a) take all control measures and install plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
 - b) maintain such control measures, plant and equipment in a proper condition; and
 - c) operate such control measures, plant and equipment in a proper manner.

Records

- (A4-1) Record, compile and keep all monitoring results required by this environmental authority and present this information to the administering authority when requested, in a specified format.

Storage and Handling of Flammable and Combustible Liquids

- (A5-1) Storage of all flammable and combustible liquids must be within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 – Storage and Handling of Flammable and Combustible Liquids of 1993.

Definitions

- (A6-1) Words and phrases used throughout this environmental authority are defined in Schedule H – Definitions. Where a definition for a term used in this environmental authority is sought and the term is not defined within this environmental authority, the definitions in the Environmental Protection Act 1994, its Regulations and Environmental Protection Policies, as amended from time to time must be used.

Integrated Environmental Management System (IEMS)

- (A7-1) Prior to the commencement of any environmentally relevant activity ("the activity") under this environmental authority, the holder of this environmental authority must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (A7-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - o The environmental policy of the holder, so that all persons that carry out the activities are aware of all the relevant commitments to environmental management; and
 - o Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - o Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - o Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation) and;

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Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410

- Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - Effective communication to ensure two-way communication on environmental matters between operational staff and higher management; and
 - Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.
- (A7-3) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out these activities.

END OF CONDITIONS FOR SCHEDULE A

Schedule B – Air

Dust nuisance

- (B1-1) Subject to conditions (B1-1) and (B2-3) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.
- (B1-2) When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate complaint of environmental nuisance caused by dust and/or particulate matter, and the results must be notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic meter of particulate matter with an aerodynamic diameter of less than 10 micrometers (μm) (PM_{10}) suspended in the atmosphere over a 24hr averaging time.
- (B1-3) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (B1-1):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 *Methods for sampling and analysis of ambient air – Determination of particulates – Deposited matter – Gravimetric method* of 1991; and

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Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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- b) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometers (μm) (PM_{10}) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a sensitive place downwind of the operational land, when monitored in accordance with:
- Particulate matter – *Determination of suspended particulate PM10 high-volume sampler with size-selective inlet – Gravimetric method*, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air – *Determination of suspended particulate matter – PM (sub) 10 high volume sampler with size-selective inlet – Gravimetric method* of 1990; or
 - Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority⁴.

Dust Control

- (B2-1) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of windblown dust or particulate matter into the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (B2-2) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of windblown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dust suppressants and wind breaks.
- (B2-3) Raw material preparation plants and external conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of windblown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR SCHEDULE B

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⁴ NOTE: You must propose which monitoring method is appropriate in accordance with condition (B1-3) (a) or (b) or both.

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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Schedule C – Water

Release to waters

(C1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Schedule C – Table 1 (at the locations depicted in Appendix 1 Figures 1, 2 and 3) and comply with the contaminant limits defined in Schedule C – Table 2.

Schedule C – Table 1: Water monitoring locations and frequency

Monitoring point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
Rochedale Leases (MLs 1156,1151,1165,50189 and 50165)				
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"
R4	Background for points R2 and R5	510500	6951200	When points R2 and/or R5 are sampled
R2	Discharge	510880	6951600	Each pump release
R5	Discharge	511470	6952600	"Event Release" and each pump release
Burbank Lease (ML 1552)				
B1	Discharge	513890	6949050	"Event Release"
Redland Bay Lease (ML50035)				
RB1	Discharge	526590	6943600	"Event Release"
RB2	Discharge	526350	6943600	"Event Release"
RB3	Discharge	526160	6943250	"Event Release"

*Refer to Appendix 1 Figure 1,2 and 3 for monitoring locations.

Schedule C – Table 2: Contaminant release limits

Monitoring point	Parameter	Minimum	Maximum
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)			
R2 and R5	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L or not more than 110% of the value at R4*
R3	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*
Burbank Lease (ML 1552)			

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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B1	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L
Redland Bay Lease (ML 50035)			
RB1, RB2, RB3	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L

*for the same monitoring event

END OF CONDITIONS FOR SCHEDULE C

Schedule D – Noise and Vibration

Noise Nuisance

- (D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (D2-1) All noise from activities must not exceed the levels specified in Schedule D – Table 2 at any noise affected premises.
- (D3-1) No mining activities may be undertaken outside of the hours for the sites listed in Schedule D – Table 1, unless the activities are solely for pollution control.

Schedule D – Table 1: Operating hours

Tenure(s) mining leases	Location	Hours
1151, 1156, 1165, 50165, 50189	Rochedale	Mon-Fri 6am-6pm; Sat 6am-5pm
1152	Burbank	Mon-Fri 7am-5pm
50035	Redland Bay	Mon-Fri 7am-6pm; Sat 7am-4pm
4578	Swanbank	Mon-Sat daylight hours
50115	New Chum	Mon-Sat daylight hours

R

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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Schedule D – Table 2: Noise Limits

Noise level dB(A) measured as	Monday to Saturday	
	6am-7am	7am-6pm
	Noise measured at a Noise sensitive place	
L _{A10} , adj, 10 mins	b/g+3	b/g+5
L _{A1} , adj, 10 mins	b/g+5	b/g+10
	Noise measured at a Noise sensitive place	
L _{A10} , adj, 10 mins	b/g+8	b/g+10
L _{A1} , adj, 10 mins	b/g+10	b/g+15

Noise monitoring

- (D2-1) When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint, which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of the authorised officer, and the results must be notified within 14 days to the administering authority. The monitoring must include:
- L_{A1}, adj, 10 mins
 - L_{A10}, 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; and
 - location, date and time of recording.
- (D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's *Noise Measurement Manual*.

END OF CONDITIONS FOR SCHEDULE D

Schedule E – Waste

Waste handling

- (E1-1) The holder of this environmental authority must not:
- burn waste at or on the licenced place; nor
 - allow waste to burn or be burnt at or on the licenced place; nor
 - remove waste from the licenced place and burn such waste elsewhere.

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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Offsite movement

- (E2-1) Where regulated waste is removed from the licenced place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and record the following⁵.
- i) the date, quantity and type of waste removed; and
 - ii) name of the waste transporter and/or disposal operator that removed the waste; and
 - iii) the intended treatment/disposal destination of the waste.

Records

- (E3-1) Records must be maintained for a period of five (5) years for all wastes mentioned in this schedule.

Notification of improper disposal of regulated waste

- (E4-1) If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licenced place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or which is improper or unlawful, then the holder of this environmental authority as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

END OF CONDITIONS FOR SCHEDULE E

⁵ 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.

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Schedule F – Land

Rehabilitation landform criteria

(F1-1) All areas significantly disturbed by mining activities must be rehabilitated in accordance with Schedule F – Table 1.

Schedule F – Table 1: Final land use and rehabilitation outcomes

Tenure ID	Disturbance Type	Projective surface area (ha)	Rehabilitation outcomes
Rochedale Leases			
ML1151	Infrastructure (brick manufacturing and ancillary facilities)	22.5	Industrial
	Mine void	7.0	Industrial
	Sediment traps/water basins	0.2	Wetland Type 1
	Amenity banks/buffers	4.0	Native ecosystem
ML1156	Mine void	31.5	Industrial
	Sediment traps/water basins	2.0	Industrial or Wetland Type 1
	Amenity banks/buffers		Native ecosystem
ML1165	Mine void	5.0	Industrial
	Sediment traps/water basins	0.2	Wetland Type 2
	Amenity banks/buffers	0.8	Native ecosystem
ML50165	Mine void	3.7	Wetland Type 2
	Amenity banks/buffers	3.2	Native ecosystem
ML50189	Mine void	5.2	Wetland Type 2
	Amenity banks/buffers	1.6	Native ecosystem
Burbank Lease			
ML1152	Mine void	24	Native ecosystem
	Sediment traps/ water basins	0.6	Wetland Type 1
	Roads	1.0	No rehabilitation required

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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	Buffer	8.8	– retain Native ecosystem
Redland Bay Lease			
ML50035	Mine void	17.2	To be determined
	Sediment traps/ water basins	1.0	Wetland Type 1
	Roads	0.8	No rehabilitation required
	Buffer	4.0	– retain Native ecosystem
New Chum Lease			
ML50115	Mine void	31.0	Industrial
	Spoil stockpiles	13	Industrial
	Roads	3.0	No rehabilitation required
	Water storages	1.5	– retain No rehabilitation required - retain
Swanbank Lease			
ML4578	Mine voids	17.2	Industrial
	Stockpile areas	3.3	Industrial
	Spoil stockpiles	10.0	Industrial
	Roads/power line easements	3.3	No rehabilitation required
	Water storages	0.8	– retain No rehabilitation required - retain

Rehabilitation Outcome – Industrial or Residential

- (F2-1) Subject to conditions F2-2, F2-3 and F2-4, disturbed land nominated for industrial or residential rehabilitation outcome will be considered rehabilitated when the land is stabilised and does not, or will not have potential to cause environmental harm to the environmental values.
- (F2-2) Disturbed land and/or mine voids remaining at the end of the mine life and nominated for the rehabilitation outcome of industrial, will only be considered suitable for surrender when an application (or applicable local government and environmental approvals (or lawful use) relevant at the time) has been approved for the proposed activities.
- (F2-3) In the event of an unsuccessful development application (or other requirement at the time) for proposed industrial activities, an application must be made by the holder of this environmental authority to nominate an alternative rehabilitation outcome.
- (F2-4) To remove any doubt, the nomination of the final land use of industrial or residential in Schedule F – Table 1, does not negate any local or state government planning or approval requirements for the development of that land.

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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Rehabilitation outcome – Native Ecosystem

(F3-1) Areas that are to be rehabilitated to native ecosystem must comply with the following outcomes:

- a) achievement of self-sustaining native ecosystem with a species composition and distribution similar to the pre-mining species composition and distribution; and
- b) the landform must be suitable to support the ecosystem in F3-1 a), not impede fauna corridors and be stable and non-polluting.

(F3-2) Complete an investigation into rehabilitation of disturbed areas and submit a report to the administering authority proposing acceptance criteria to meet the outcomes in F3-1. A report on the investigation, which will propose acceptance criteria, must be submitted to the administering authority by June 2005.

Rehabilitation outcome – Wetland Type 1 (rehabilitated sediment dams)

(F4-1) Areas that are to be rehabilitated to wetland type 1 outcome will be considered rehabilitated when the dams are revegetated with species appropriate to filter contaminants from the water, and water discharges from the dams do not exceed the total suspended solids value of the inflow to the pond.

Rehabilitation outcome – Wetland Type 2 (water filled voids)

(F5-1) Complete an investigation into rehabilitation of disturbed areas to wetland type 2 outcome and submit a report to the administering authority proposing acceptance criteria. A report on the investigation and proposals for acceptance criteria must address:

- a) water quality to be achieved in the water filled void;
- b) water quality to be achieved for any discharges from the void; and
- c) revegetation standards to be met for the fringes of the void.

The report must be submitted to the administering authority by 30 June 2005.

Buffer zones

(F6-1) There must be no mining activities conducted in the buffer zones or wildlife corridor areas identified in Appendix 1, Figures 1, 2 and 3, other than for the construction or removal of amenity banks, environmental control works, and activities involved with access or provision of services to the lease areas.

Open area and Progressive Rehabilitation

(F7-1) The *open area* for the relevant mining lease must not exceed the area described in Schedule F – Table 2.

Schedule F – Table 2: Open area limits

Tenure	Location	Open area limit (ha)
ML1152	Ford Road, Burbank	4

(F7-2) Subject to condition F7-1, progressive rehabilitation must commence within three years of areas becoming available within the operational land.

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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Infrastructure

- (F8-1) All infrastructure, constructed by or for the environmental authority holder during the mining activities including water storage structures, must be removed from the site prior to mining lease surrender, except where agreed in writing by the post mining land owner/holder⁶.

Rehabilitation Outcome – To be determined

- (F9-1) The final land use of mine voids for Redland Bay lease (ML50035) is to be determined by a Planning Use Study which is to be consistent with any Planning Scheme and any rehabilitation outcome.
- (F9-2) The Planning Use Study report must be submitted to the administering authority by 30 June 2005.

END OF CONDITIONS FOR SCHEDULE F

Schedule G – Community

Complaint response

- (G1-1) All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed and actions taken. This information must be made available for inspection by the administering authority on request.

END OF CONDITIONS FOR SCHEDULE G

Schedule H – Definitions

“acceptance criteria” means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the re-colonisation of specific fauna groups such as collembolan, mites and termites which are involved in these processes;
- microbiological studies including re-colonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire; and
- vegetation water use and effects on groundwater levels and catchment yields.

“administering authority” means the Department of Environment and Heritage Protection or its successor.

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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“airblast overpressure” means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

“ambient (or total) noise” at a place, means the level of noise at the place from all sources (near and far), measured as the L_{eq} for an appropriate time interval.

“blasting” means the use of explosive materials to fracture –

- a) rock, coal and other minerals for later recovery; or
- b) structural components or other items to facilitate removal from a site or for reuse.

“commercial place” means a place used as an office or for business or commercial purposes, other than a place within the boundaries of the operational land.

“competent person” means a person with the demonstrated skill and knowledge required to carry out the task to a standard necessary for the reliance upon collected data or protection of the environment.

“dam” means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognisable standard.

“environmental authority holder” means the holder of this environmental authority.

“event release” means when water is released and which must occur at least four times per year.

“flowable substance” means matter or mixture of materials which can be forced to or otherwise flow under any conditions possible in a situation. It includes water, other liquids or a mixture that includes water or any other liquid or suspended solids.

“hazardous waste” means any substance, whether liquid, solid or gaseous, derived by or resulting from, the processing of minerals that tends to destroy life or impair or endanger health.

“IEMS/Project EMOS” document titled “Environmental Management Overview Strategy (consolidating mining project numbers PJ50036, 50134, 50128 and 50150) incorporating integrated Environmental Management System (mining, manufacturing and extractive industries). Prepared for The Austral Brick Company Pty Ltd. Prepared by Groundwork Environmental Management Services Pty Ltd. October 2002.”

“ $L_{A,10,adj,10\ mins}$ ” 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.

“ $L_{A1, adj, 10 mins}$ ” 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.

“ $L_{A, max adj, T}$ ” means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10-minute period, using Fast response.

“land” in the “land schedule” of this document means land excluding waters and the atmosphere.

“land capacity” as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

“land suitability” as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

“land use” term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

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“mandatory reporting level” means the volume below the spillway crest, equivalent to the lower of the AEP, 72 hour storm or the AEP wave allowance (AEP is the annual exceedance probability).

“mineral” means a substance which normally occurs naturally as part of the earth's crust, or is dissolved or suspended in water within or upon the earth's crust and includes a substance which may be extracted from such a substance, and includes –

- a) clay if mined for use for its ceramic properties, kaolin and bentonite;
- b) foundry sand;
- c) hydrocarbons and other substances or matter occurring in association with shale or coal and necessarily mined, extracted, produced or released by or in connection with mining for shale or coal or for the purpose of enhancing the safety of current or future mining operations for coal or the extraction or production of mineral oil there from;
- d) limestone if mined for use for its chemical properties;
- e) marble
- f) mineral oil or gas extracted from shale or coal by insitu processes;
- g) peat;
- h) salt including brine;
- i) shale from which mineral oil may be extracted or produced;
- j) silica, including silica sand, if mined for use for its chemical properties;
- k) rock mined in block or slab form for building or monumental purposes; but does not include –
- l) living matter;
- m) petroleum within the meaning of the Petroleum Act 1923;
- n) soil, sand, gravel or rock (other than rock mined in block or slab form for building or monumental purposes) to be used or to be supplied for use as such, whether intact or in broken form;
- o) water.

“noxious” means harmful or injurious to health or physical well-being, other than trivial harm.

“non-standard” means a mining operation that if in the opinion of the administering authority does not have a low risk of serious environmental harm and the activities can not comply with the criteria for standard mining activities prescribed in schedule 1A of the *Environmental Protection Regulation 1998*. The standard mining activity trigger criteria are as follows:

- the mining activities do not or will not cause more than 10 ha of land to be significantly disturbed at any one time;
- the mining activities do not or will not cause more than 5 ha of land to be significantly disturbed at any one time;
 - o in a riverine area;
 - o because of mine workings;
- the mining activities are not or will not be carried out in, or within 2km of a category A *Environmentally Sensitive Area*;

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- the mining activities are not or will not be carried out in, or within 1km of a category B *Environmentally Sensitive Area*;
- the mining activities do not include a level 1 environmentally relevant activity
- no more than 20 persons are carrying out or will, at any one time, carry out the mining activities.

“offensive” means causing reasonable offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive, other than trivial harm.

“open area” means, for the purposes of this environmental authority, areas that have been cleared in preparation for mining, are being mined and have not had any topsoil or seed spread on the re-profiled area to commence the rehabilitation process.

“peak particle velocity (ppv)” means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms^{-1}).

“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.

“progressive rehabilitation” means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining questions are ongoing.

“reference site” (or analogue site) may reflect the original location, adjacent area or another area where rehabilitation success has been completed for a similar biodiversity. Details of the reference site may be as photographs, computer generated images and vegetation models etc.

“rehabilitation” the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

“representative” means a sample set which covers the variance in monitoring or other data either due to natural changes or operational phases of the mining activities.

“residual void” means an open pit resulting from the removal of ore and/or waste rock which will remain following the cessation of all mining activities and completion of rehabilitation processes.

“self-sustaining” means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

“significant disturbance” – includes land

- a) if it is contaminated land; or
- b) it has been disturbed and human intervention is needed to rehabilitate it:
 - to a state required under the relevant environmental authority; or
 - if the environmental authority does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation and topsoil);

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- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the administering authority, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climactic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc.) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the administering authority;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

“sensitive place” means;

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- an educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act, the Marine Parks Act 1992 or a World Heritage Area; or
- a public park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes which is not part of the mining activity and does not include employees accommodation or public roads.

“spillway” means passage or outlet from the dam through which surplus water flows.

“stable” means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation/settlement of the wastes deposited, and sliding/slumping instability has ceased.

“trivial harm” means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5000.

“waters” includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), groundwater or any part thereof.

END OF CONDITIONS FOR SCHEDULE H

Published on DES Disclosure Log
RTI Act 2009

Environmental Protection Act 1994
Environmental Authority (Mining Activities) Non Code Compliant Level 1 Mining Project

Permit¹ Number: MIN101484410

This permit is issued by the administering authority to authorise the activity specified in the permit in accordance with the conditions specified in the permit. This decision was made pursuant to Section 207 of the Environmental Protection Act 1994.

Takes Effect From: 19 July 2010

Details

Permit Holder(s)	Name	Address
Principal Holder	The Austral Brick Company Pty Ltd	105 Gardner Road ROCHEDALE QLD 4123

Activity(s)	Authorised Mining tenements	Location(s)
Mining Lease – Section 18(a) of the <i>Environmental Protection Act 1994</i> : Mining Activities Schedule 6 of the <i>Environmental Protection Regulation 1998</i> . Item 11B mining activities, other than a standard mining activity, carried out using equipment and plant having a mineral ore throughput of more than 100,000t during a year but less than 500,000t a year.	ML1151	Gardner Road ROCHEDALE
	ML1156	Gardner Road ROCHEDALE
	ML1165	Gardner Road ROCHEDALE
	ML50165	Gardner Road ROCHEDALE
	ML50189	Gardner Road ROCHEDALE
	ML1152	Ford Road BURBANK
	ML1167	Douglas Road OXLEY
	ML50035	German Church Road REDLAND BAY
	ML4578	Patrick Street SWANBANK
	ML50115	Whitwood Road NEW CHUM

The anniversary date of the environmental authority is 24 April.

The environmental authority is subject to the attached conditions of approval.

73(2)Irrelevant

Ernst Bruynius
 Delegate
 Administering Authority
Environmental Protection Act 1994

Date 14/7/2010

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Department of Environment and Resource Management

R

**Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410**

This **Environmental Authority** incorporates the following schedules:

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

Schedule A - General

Prevent and /or minimise the likelihood of environmental harm

- (A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority¹.

Financial Assurance

- (A2-1) Provide a financial assurance² in the amount and form required by the administering authority prior to the commencement of activities proposed under this environmental authority.
- (A2-2) The financial assurance is to remain in force until the administering authority is satisfied that no claim on the assurance is likely³.

Maintenance of Measures, Plant and Equipment

- (A3-1) The holder must:
- a) take all *control measures* and install plant and equipment necessary to ensure compliance with the conditions of this *environmental authority*; and
 - b) maintain such *control measures*, plant and equipment in a proper condition; and
 - c) operate such *control measures*, plant and equipment in a proper manner.

Records

- (A4-1) Record, compile and keep all monitoring results required by this environmental authority and present this information to the administering authority when requested, in a specified format.

¹ NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

² NOTE: The calculation of financial assurance for condition (A1-1) must be in accordance with Guideline 17 and may include a performance discount. The amount is defined as the maximum total rehabilitation cost for complete rehabilitation of all disturbed areas, which may vary on an annual basis due to progressive rehabilitation. The amount required for the financial assurance must be the highest Total Rehabilitation Cost calculated for any year of the Plan of Operations and calculated using the formula: (Financial Assurance = Highest Total Annual Rehabilitation Cost x Percentage Required).

³ NOTE: Where progressive rehabilitation is completed and acceptable to the *administering authority*, progressive reductions to the amount of financial assurance will be applicable where rehabilitation has been completed in accordance with the acceptance criteria defined within this environmental authority.

R

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410

Storage and Handling of Flammable and Combustible Liquids

- (A5-1) Storage of all flammable and combustible liquids must be within an on-site containment system and controlled in a manner that prevents *environmental harm* (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - *Storage and Handling of Flammable and Combustible Liquids* of 1993.

Definitions

- (A6-1) Words and phrases used throughout this environmental authority are defined in Schedule H – Definitions. Where a definition for a term used in this environmental authority is sought and the term is not defined within this environmental authority, the definitions in the Environmental Protection Act 1994, its Regulations and Environmental Protection Policies, as amended from time to time must be used.

Integrated Environmental Management System (IEMS)

- (A7-1) Prior to the commencement of any environmentally relevant activity ('the activity') under this environmental authority, the holder of this environmental authority must:
- develop and Integrated Environmental Management System (IEMS) which provides for the effective management by the holder of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (A7-2) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:
 - o The environmental policy of the holder, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
 - o Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
 - o Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
 - o Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation) and;
 - o Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
 - o Effective communication to ensure two-way communication on environmental matters between operational staff and higher management; and
 - o Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
 - Monitoring of the release of contaminants into the environment including procedures, methods record keeping and notification of results;
 - Conducting assessment of the environmental impact of any release of contaminants into the environment;
 - Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
 - Waste prevention, treatment and disposal; and
 - A program for continuous improvement.

**Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410**

- (A7-3) The holder of this environmental authority must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this environmental authority or any development condition applicable to carrying out these activities.

END OF CONDITIONS FOR SCHEDULE A

Schedule B - Air

Dust Nuisance

- (B1-1) Subject to Conditions (B1-2) and (B1-3) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.
- (B1-2) When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate complaint of environmental nuisance caused by dust and/or particulate matter, and the results must be notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic meter of particulate matter with an aerodynamic diameter of less than 10 micrometers (μm) (PM_{10}) suspended in the atmosphere over a 24hr averaging time.
- (B1-3) If the environmental authority holder can provide evidence through monitoring that the following limits are not being exceeded then the holder is not in breach of (B1-1):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 *Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method* of 1991; and
 - b) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometres (μm) (PM_{10}) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a sensitive place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - *Determination of suspended particulate PM_{10} high-volume sampler with size-selective inlet - Gravimetric method*, when monitored in accordance with AS 3580.9.6 *Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method* of 1990; or
 - Any alternative method of sampling PM_{10} , which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority⁴.

⁴ NOTE: You must propose which monitoring method is appropriate in accordance with condition (B1-3) (a) or (b) or both.

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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Dust Control

- (B2-1) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter into the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (B2-2) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dust suppressants and wind breaks.
- (B2-3) Raw material preparation plants and external conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

END OF CONDITIONS FOR SCHEDULE B

R

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
 Permit¹ Number: MIN101484410

Schedule C - Water
Release to waters

- (C1-1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Schedule C – Table 1 (at the locations depicted in Appendix 1 Figures 1, 2, 3 and 4) and comply with the contaminant limits defined in Schedule C – Table 2.

Schedule C – Table 1: Water monitoring locations and frequency

Schedule C – Table 1: Water monitoring locations and frequency				
*Monitoring point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)				
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"
R4	Background for points R2 and R5	510500	6951200	When points R2 and/or R5 are sampled
R2	Discharge	510880	6951600	Each pumped release
R5	Discharge	511470	6952600	"Event Release" and each pumped release
Burbank Lease (ML 1552)				
B1	Discharge	513890	6949050	"Event Release"
Redland Bay Lease (ML50035)				
RB1	Discharge	526590	6943600	"Event Release"
RB2	Discharge	526350	6943600	"Event Release"
RB3	Discharge	526160	6943250	"Event Release"
Oxley Lease (ML1167)				
O1	Discharge	497350	6951000	Each pumped release

* Refer to Appendix 1 Figure 1, 2, 3 and 4 for monitoring locations.

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Schedule C - Table 2: Contaminant release limits

Monitoring point	Parameter	Minimum	Maximum
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)			
R2 and R5	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L or not more than 110% of the value at R4*
R3	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*
Burbank Lease (ML 1552)			
B1	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L
Redland Bay Lease (ML50035)			
RB1, RB2, RB3	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L
Oxley Lease (ML1167)			
O1	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L

* for the same monitoring event

END OF CONDITIONS FOR SCHEDULE C

Schedule D - Noise and Vibration

Noise nuisance

- (D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (D1-2) All noise from activities must not exceed the levels specified in Schedule D – Table 2 at any noise affected premises.
- (D1-3) No mining activities may be undertaken outside of the hours for the sites listed in Schedule D – Table 1, unless the activities are solely for pollution control.

Schedule D – Table 1: Operating hours

Tenure(s) mining leases	Location	Hours
1151, 1156, 1165, 50165, 50189	Rochedale	Mon-Fri 6am-6pm; Sat 6am-5pm
1152	Burbank	Mon-Fri 7am-5pm
50035	Redland Bay	Mon-Fri 7am-6pm; Sat 7am-4pm
1167	Oxley	Mon-Fri 7am-5pm
4578	Swanbank	Mon-Sat daylight hours
50115	New Chum	Mon-Sat daylight hours

Schedule D - Table 2: Noise limits

Noise level dB(A) measured as	Monday to Saturday	
	6am-7am	7am-6pm
Noise measured at a Noise sensitive place		
L _{A10} , adj, 10 mins	b/g+3	b/g+5
L _{A1} , adj, 10 mins	b/g+5	b/g+10
Noise measured at a Noise sensitive place		
L _{A10} , adj, 10 mins	b/g+8	b/g+10
L _{A1} , adj, 10 mins	b/g+10	b/g+15

Noise monitoring

- (D2-1) When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint, which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of the authorised officer, and the results must be notified within 14 days to the administering authority. The monitoring must include:
- L_{A1}, adj, 10 mins
 - L_{A10}, 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; and
 - location, date and time of recording.

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- (D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's *Noise Measurement Manual*.

END OF CONDITIONS FOR SCHEDULE D**Schedule E - Waste****Waste handling**

- (E1-1) The holder of this environmental authority must not:
- i) burn waste at or on the licensed place; nor
 - ii) allow waste to burn or be burnt at or on the licensed place; nor
 - iii) remove waste from the licensed place and burn such waste elsewhere.

Off site movement

- (E2-1) Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and record the following⁵:
- i) the date, quantity and type of waste removed; and
 - ii) name of the waste transporter and/or disposal operator that removed the waste; and
 - iii) the intended treatment/disposal destination of the waste.

Records

- (E3-1) Records must be maintained for a period of five (5) years for all wastes mentioned in this schedule.

Notification of improper disposal of regulated waste

- (E4-1) If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or which is improper or unlawful, then the holder of this environmental authority must as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

END OF CONDITIONS FOR SCHEDULE E

⁵ 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.

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Schedule F - Land

Rehabilitation landform criteria

(F1-1) All areas significantly disturbed by mining activities must be rehabilitated in accordance with Schedule F – Table 1.

Schedule F – Table 1: Final land use and rehabilitation outcomes

Tenure ID	Disturbance Type	Projective surface area (ha)	Rehabilitation outcome
Rochedale Leases			
ML1151	Infrastructure (brick manufacturing and ancillary facilities)	22.5	Industrial
	Mine void	7.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	4.0	Native ecosystem
ML1156	Mine void	31.5	Industrial
	Sediment traps	2.0	Industrial or Wetland Type 1
	Amenity banks / buffers		Native ecosystem
ML1165	Mine void	5.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 2
	Amenity banks / buffers	0.8	Native ecosystem
ML50165	Mine void	3.7	Wetland Type 2
	Amenity banks / buffers	3.2	Native ecosystem
ML50189	Mine void	5.2	Wetland Type 2
	Amenity banks / buffers	1.6	Native ecosystem
Burbank Lease			
ML1152	Mine void	24	Native ecosystem
	Sediment traps / water basins	0.6	Wetland Type 1
	Roads	1.0	No rehabilitation required – retain
	Buffer	8.8	Native ecosystem
Redland Bay Lease			
ML50035	Mine void	17.2	To be determined
	Sediment traps / water basins	1.0	Wetland Type 1
	Roads	0.8	No rehabilitation required – retain
	Buffer	4.0	Native ecosystem
Oxley Lease			
ML1167	Mine void	7.8	Industrial
	Sediment traps / water basins	0.5	Wetland Type 1
	Roads	0.5	No rehabilitation required – retain
	Buffer	6.6	No rehabilitation required – retain / residential
New Chum Lease			
ML50115	Mine void	31.0	Industrial
	Spoil stockpiles	13	Industrial
	Roads	3.0	No rehabilitation required – retain
	Water storages	1.5	No rehabilitation required – retain
Swanbank Lease			
ML4578	Mine voids	17.2	Industrial
	Stockpile areas	3.3	Industrial
	Spoil stockpiles	10.0	Industrial
	Roads / power line easements	3.3	No rehabilitation required – retain
	Water storages	0.8	No rehabilitation required – retain

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
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But still need to comply with surrender requirements of legislation 3 EP?

Rehabilitation Outcome – Industrial or Residential

- (F2-1) Subject to conditions F2-2, F2-3 and F2-4, disturbed land nominated for industrial or residential rehabilitation outcome will be considered rehabilitated when the land is stabilised and does not, or will not have potential to cause environmental harm to the environmental values.
- (F2-2) Disturbed land and/or mine voids remaining at the end of the mine life and nominated for the rehabilitation outcome of industrial, will only be considered suitable for surrender when an application (or applicable local government and environmental approvals (or lawful use) relevant at the time) has been approved for the proposed activities.
- (F2-3) In the event of an unsuccessful development application (or other requirement at the time) for proposed industrial activities, an application must be made by the holder of this environmental authority to nominate an alternative rehabilitation outcome.
- (F2-4) To remove any doubt, the nomination of the final land use of industrial or residential in Schedule F – Table 1, does not negate any local or state government planning or approval requirements for the development of that land.

Rehabilitation outcome – Native Ecosystem

- (F3-1) Areas that are to be rehabilitated to native ecosystem must comply with the following outcomes:
- a) achievement of self sustaining native ecosystem with a species composition and distribution similar to the pre-mining species composition and distribution; and
 - b) the landform must be suitable to support the ecosystem in F3-1 a), not impede fauna corridors and be stable and non-polluting.
- (F3-2) Complete an investigation into rehabilitation of disturbed areas and submit a report to the administering authority proposing acceptance criteria to meet the outcomes in F3-1. A report on the investigation, which will propose acceptance criteria, must be submitted to the administering authority by June 2005.

Rehabilitation outcome – Wetland Type 1 (rehabilitated sediment dams)

- (F4-1) Areas that are to be rehabilitated to wetland type 1 outcome will be considered rehabilitated when the dams are revegetated with species appropriate to filter contaminants from the water, and water discharges from the dams do not exceed the total suspended solids value of the inflow to the pond.

Rehabilitation outcome – Wetland Type 2 (water filled voids)

- (F5-1) Complete an investigation into rehabilitation of disturbed areas to wetland type 2 outcome and submit a report to the administering authority proposing acceptance criteria. A report on the investigation and proposals for acceptance criteria must address:
- a) water quality to be achieved in the water filled void;
 - b) water quality to be achieved for any discharges from the void; and
 - c) revegetation standards to be met for the fringes of the void.
- The report must be submitted to the administering authority by 30 June 2005.

Buffer zones

- (F6-1) There must be no mining activities conducted in the buffer zones or wildlife corridor areas identified in Appendix 1 Figures 1, 2, 3 and 4, other than for the construction or removal of amenity banks, environmental control works, and activities involved with access or provision of services to the lease areas.

**Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410****Open Area and Progressive Rehabilitation**

- (F7-1) The open area for the relevant mining lease must not exceed the area described in Schedule F – Table 2.

Schedule F – Table 2: Open area limits

Tenure	Location	Open area limit (ha)
ML1152	Ford Road, Burbank	4

- (F7-2) Subject to condition F7-1, progressive rehabilitation must commence within three years of areas becoming available within the operational land.

Infrastructure

- (F8-1) All infrastructure, constructed by or for the environmental authority holder during the mining activities including water storage structures, must be removed from the site prior to mining lease surrender, except where agreed in writing by the post mining land owner / holder⁶.

Rehabilitation outcome – To be determined

- (F9-1) The final land use of mine voids for Redland Bay lease (ML50035) is to be determined by a Planning Use Study which is to be consistent with any Planning Scheme and any rehabilitation outcome.
- (F9-2) The Planning Use Study report must be submitted to the administering authority by 30 June 2005.

END OF CONDITIONS FOR SCHEDULE F

Schedule G – Community**Complaint response**

- (G1-1) All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed and actions taken. This information must be made available for inspection by the administering authority on request.

END OF CONDITIONS FOR SCHEDULE G

Schedule H - Definitions

“acceptance criteria” means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;

⁶ Note: This is not applicable where the landowner / holder is also the environmental authority holder.

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410

- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the re-colonisation of specific fauna groups such as collembolan, mites and termites which are involved in these processes;
- microbiological studies including re-colonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development.;
- resilience of vegetation to disease, insect attack, drought and fire; and
- vegetation water use and effects on groundwater levels and catchment yields.

"administering authority" means the Department of Environment and Resource Management or its successor.

"airblast overpressure" means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

"ambient (or total) noise" at a place, means the level of noise at the place from all sources (near and far), measured as the Leq for an appropriate time interval.

"blasting" means the use of explosive materials to fracture —

- a) rock, coal and other minerals for later recovery; or
- b) structural components or other items to facilitate removal from a site or for reuse.

"commercial place" means a place used as an office or for business or commercial purposes, other than a place within the boundaries of the operational land.

"competent person" means a person with the demonstrated skill and knowledge required to carry out the task to a standard necessary for the reliance upon collected data or protection of the environment.

"dam" means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognisable standard.

"environmental authority holder" means the holder of this environmental authority.

"event release" means when water is released and which must occur at least four times per year.

"flowable substance" means matter or mixture of materials which can be forced to or otherwise flow under any conditions possible in a situation. It includes water, other liquids or a mixture that includes water or any other liquid or suspended solids.

"hazardous waste" means any substance, whether liquid, solid or gaseous, derived by or resulting from, the processing of minerals that tends to destroy life or impair or endanger health.

"IEMS / Project EMOS" document titled "Environmental Management Overview Strategy (consolidating mining project numbers PJ50036, 50134, 50128 and 50150) incorporating Integrated Environmental Management System (mining, manufacturing and extractive industries). Prepared for The Austral Brick Company Pty Ltd. Prepared by Groundwork Environmental Management Services Pty Ltd. October 2002".

"L_A 10, 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.

"L_A 1, 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

"L_A, max adj, T" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10-minute period, using Fast response.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410

"land capacity" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land suitability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land use" term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

"mandatory reporting level" means the volume below the spillway crest, equivalent to the lower of the AEP, 72 hour storm or the AEP wave allowance (AEP is the annual exceedance probability).

"mineral" means a substance which normally occurs naturally as part of the earth's crust or is dissolved or suspended in water within or upon the earth's crust and includes a substance which may be extracted from such a substance, and includes –

- a) clay if mined for use for its ceramic properties, kaolin and bentonite;
 - b) foundry sand;
 - c) hydrocarbons and other substances or matter occurring in association with shale or coal and necessarily mined, extracted, produced or released by or in connection with mining for shale or coal or for the purpose of enhancing the safety of current or future mining operations for coal or the extraction or production of mineral oil there from;
 - d) limestone if mined for use for its chemical properties;
 - e) marble
 - f) mineral oil or gas extracted from shale or coal by insitu processes;
 - g) peat;
 - h) salt including brine;
 - i) shale from which mineral oil may be extracted or produced;
 - j) silica, including silica sand, if mined for use for its chemical properties;
 - k) rock mined in block or slab form for building or monumental purposes;
- but does not include-
- l) living matter;
 - m) petroleum within the meaning of the Petroleum Act 1923;
 - n) soil, sand, gravel or rock (other than rock mined in block or slab form for building or monumental purposes) to be used or to be supplied for use as such, whether intact or in broken form;
 - o) water.

"noxious" means harmful or injurious to health or physical well being, other than trivial harm.

"non-standard" means a mining operation that if in the opinion of the administering authority does not have a low risk of serious environmental harm and the activities can not comply with the criteria for standard mining activities prescribed in schedule 1A of the *Environmental Protection Regulation 1998*. The standard mining activity trigger criteria are as follows:

- the mining activities do not or will not cause more than 10 ha of land to be significantly disturbed at any one time;
- the mining activities do not or will not cause more than 5 ha of land to be significantly disturbed at any one time;
 - o in a riverine area;
 - o because of mine workings;
- the mining activities are not or will more be carried out in, or within 2km of a category A *Environmentally Sensitive Area*;
- the mining activities are not or will not be carried out in, or within 1km of a category B *Environmentally Sensitive Area*;
- the mining activities do not include a level 1 environmentally relevant activity

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410

- no more than 20 persons are carrying out or will, at any one time, carry out the mining activities.

"offensive" means causing reasonable offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive, other than trivial harm.

"open area" means, for the purposes of this environmental authority, areas that have been cleared in preparation for mining, are being mined and have not had any topsoil or seed spread on the re-profiled area to commence the rehabilitation process.

"peak particle velocity (ppv)" means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms⁻¹).

"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.

"progressive rehabilitation" means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

"reference site" (or analogue site) may reflect the original location, adjacent area or another area where rehabilitation success has been completed for a similar biodiversity. Details of the reference site may be as photographs, computer generated images and vegetation models etc.

"rehabilitation" the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this environmental authority and, where relevant, includes remediation of contaminated land.

"representative" means a sample set which covers the variance in monitoring or other data either due to natural changes or operational phases of the mining activities.

"residual void" means an open pit resulting from the removal of ore and/or waste rock which will remain following the cessation of all mining activities and completion of rehabilitation processes.

"self sustaining" means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

"significant disturbance" – includes land

- a) if it is contaminated land; or
- b) it has been disturbed and human intervention is needed to rehabilitate it:
 - to a state required under the relevant environmental authority; or
 - if the environmental authority does not require the land to be rehabilitated to a particular state - to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation and topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc.) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statements has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);

Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project
Permit¹ Number: MIN101484410

- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the administering authority, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc.) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the administering authority;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

"sensitive place" means;

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- an educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act, the Marine Parks Act 1992 or a World Heritage Area; or
- a public park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes which is not part of the mining activity and does not include employees accommodation or public roads.

"spillway" means passage or outlet from the dam through which surplus water flows.

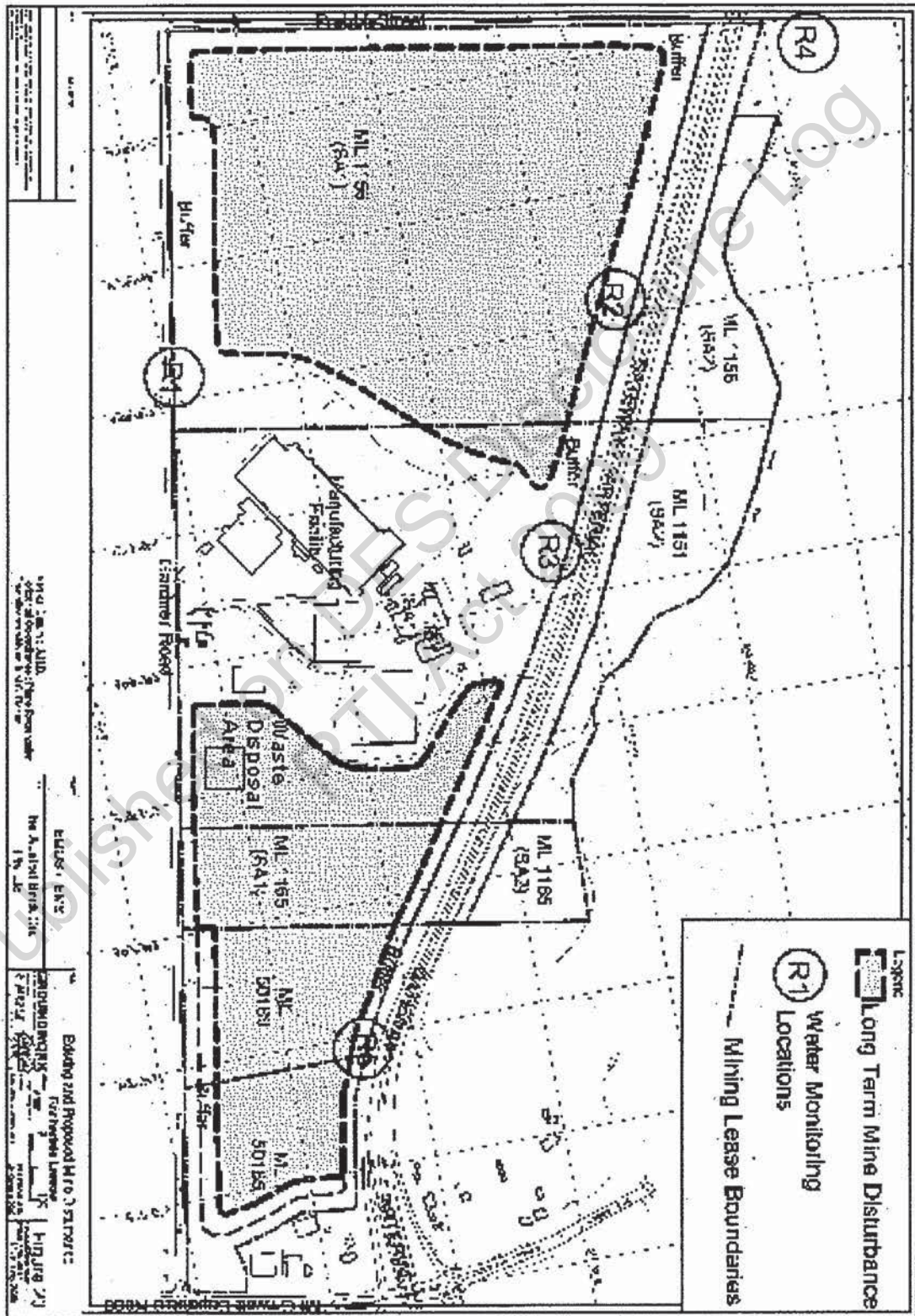
"stable" means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

"trivial harm" means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5,000.

"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), groundwater or any part thereof.

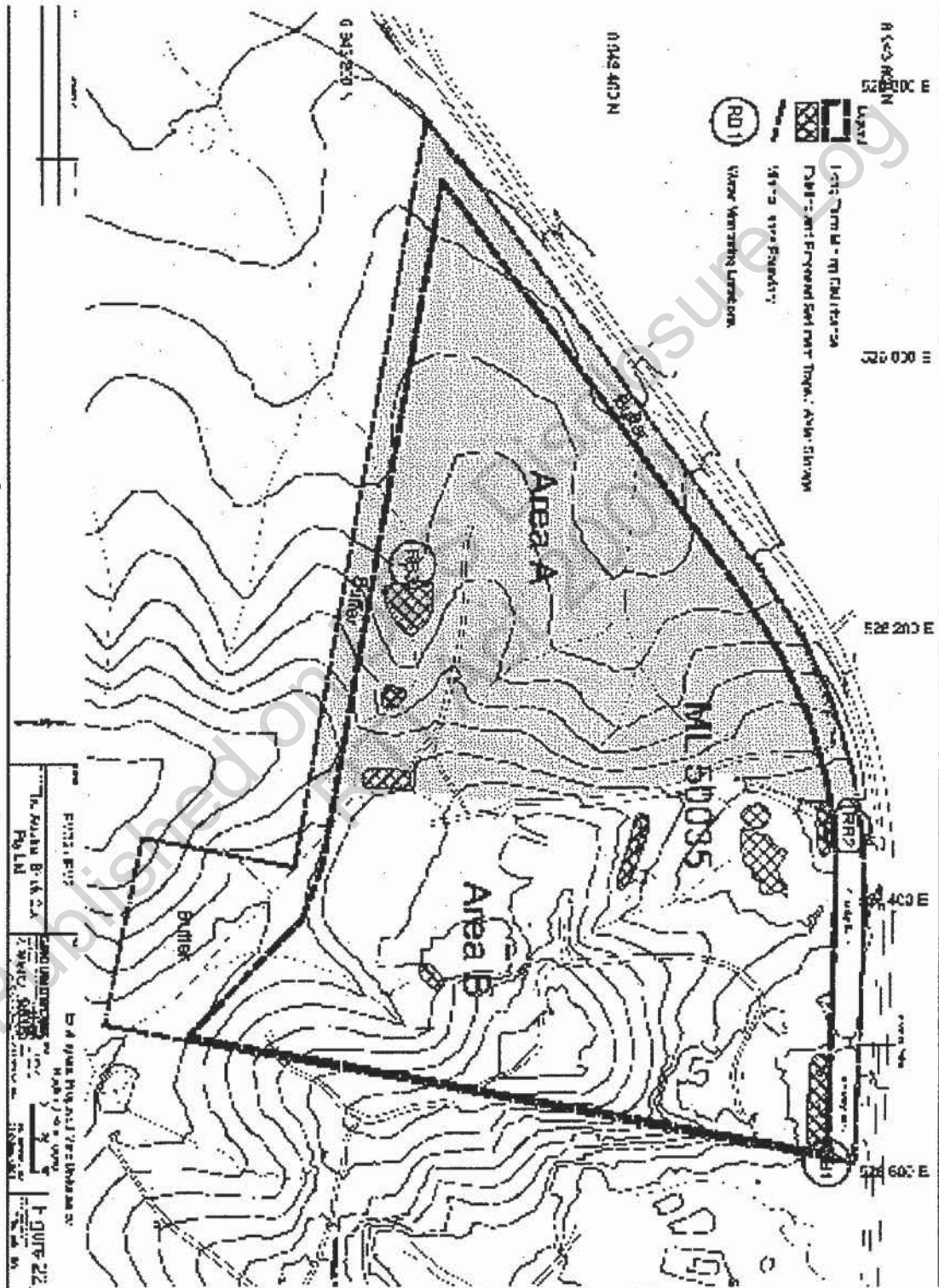
END OF CONDITIONS FOR SCHEDULE H.

APPENDIX 1 – FIGURE 1
Rochedale Plant and Mining Leases – Waste Disposal Area, Water Monitoring
Locations and Buffer Zones

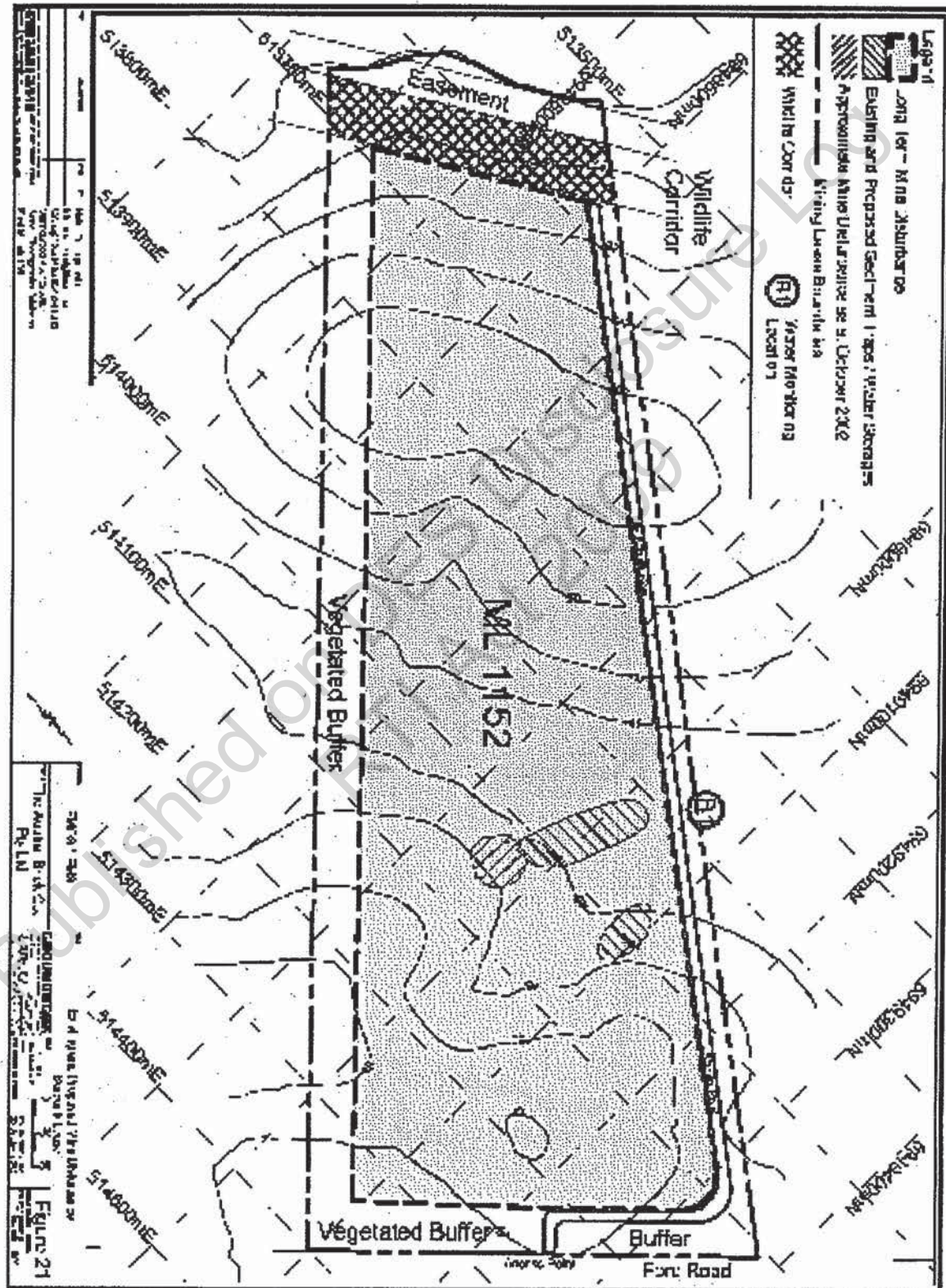


APPENDIX 1 – FIGURE 2

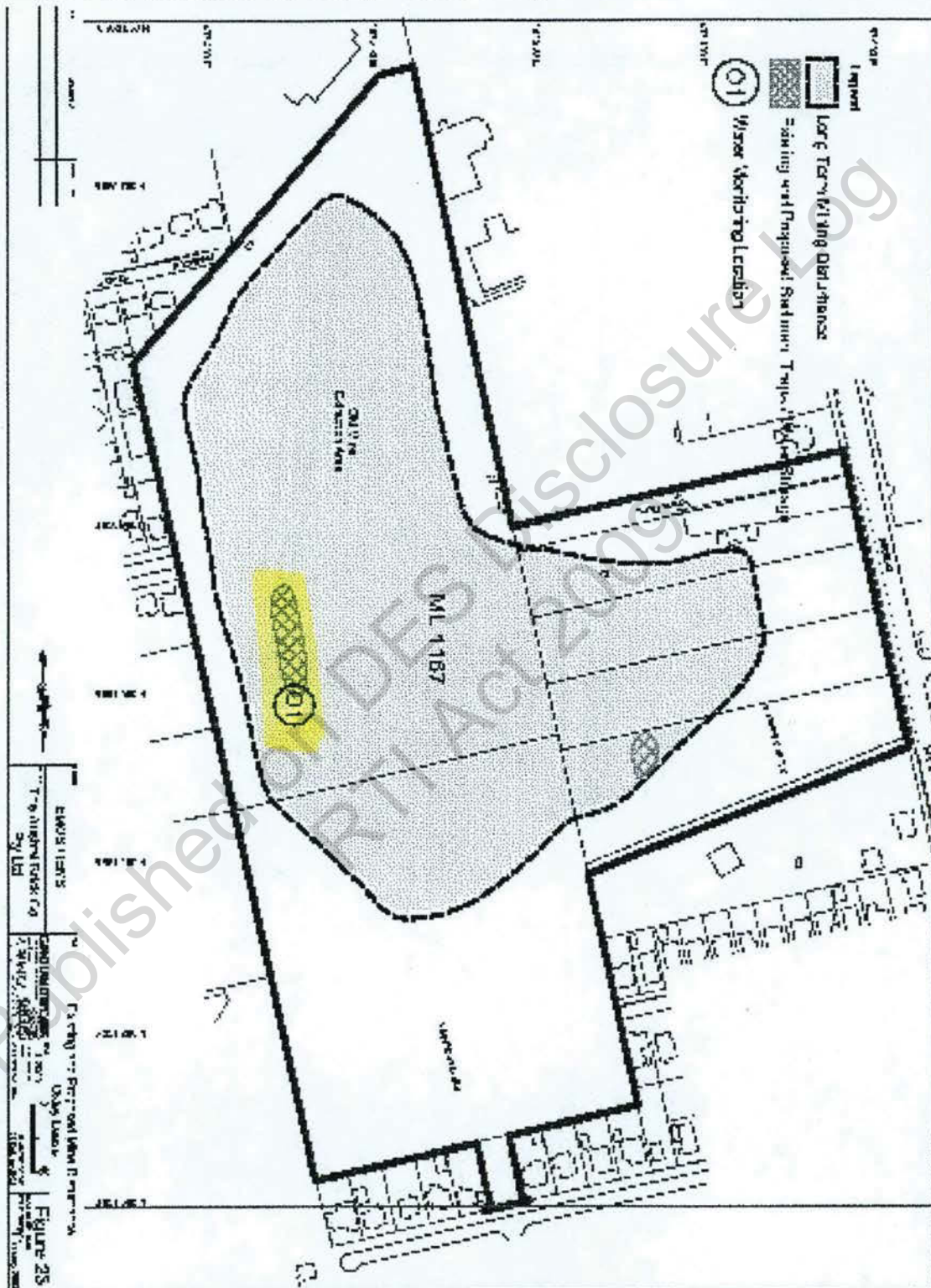
ML 50035 German Church Road Redland Bay – Monitoring Locations and Buffer Zones



APPENDIX 1 – FIGURE 3
ML 1152 Ford Road Burbank – Monitoring Locations and Buffer Zones



APPENDIX 1 – FIGURE 4
ML 1167 Douglas St, Oxley – Monitoring Locations and Buffer Zones



END OF ENVIRONMENTAL AUTHORITY

R

Amendment of Non Code Compliant Environmental Authorities

ENVIRONMENTAL AUTHORITY (MINING ACTIVITIES)

Environmental Protection Act 1994 – Chapter 5, Part 8

Project Reference:

241391

Application Number:

MIN101484410

File Number	
Related/Historical File Number/s	STH3748 v5
Assessing Officer	Andrew

Client Name: The Austral Brick Company Pty Ltd

enure/s: ML1151, ML1152, ML1156, ML1165, ML4578, ML50035, ML50115, ML50165, ML50189

Application Type
Details: Mining Lease
– Level 1

Date Received (PALM)

17-DEC-2012

Date Received (Regional Office)

19-DEC-2012

Application Valid Date

17-DEC-2012

Decision about Assessment Level and EIS requirement - CAC Recommendation

For S246(1) within 10BD after the application is received OR the fixed longer period if notice is given to the applicant within 10BD S41 EP Regs 2008, the department must decide the “assessment level decision” - whether the amendment to the mining activity is likely to cause an increase the level of environmental harm and decide the “EIS decision” - if the level of environmental harm is likely to be increased, whether an EIS is required for the amendment.

Written notice of EIS requirement OR written notice of assessment level decision (but EIS is not required) must be given to the applicant within 10BD of the decision S249.

22/1/13
08 JAN 2013

Does the EIS process apply? #

☐

YES - Begin EIS process under Chapter 3 (s37) of the EP Act 1994, then continue

☒

NO – continue

PROCESS IF DECISION IS SIGNIFICANT INCREASE IN ENVIRONMENTAL HARM AND EIS NOT REQUIRED

Environmental Management Plan Submitted

Applicant must submit EM Plan. Plan may be submitted whether or not EIS process is complete. S201

Amended EM Plan - “EM Plan amendment notice” Submitted

The applicant may amend or replace the submitted EM Plan at any time before the refusal period ends. However the amendment can only be made by giving written notice to the department stating the amendment “EM Plan amendment notice” and the prescribed fee. S204

EM Plan Assessment Report (Optional)

EM Plan assessment report may be given to the applicant S205. The EM Plan assessment report may only be given within the later of the following - 30 BD after EM Plan submitted OR 30 BD after EM Plan Amendment notice given OR the shorter period if agreed in writing between the applicant and the department S39 EP Reg 2008.

Decision to Refuse or Proceed with Application

Must decide within the refusal period S207. The refusal period is 10 BD after the later date of the following – (a) completion of the EIS (b) end of the assessment period in S205(3) regarding EM Plan Assessment Report given etc. refer S40 EP Reg 2008.

Information Notice Sent (if decision is to refuse the application)

If the decision is to refuse the application, then within 10 BD after the decision is made the department must give an information notice to the applicant about the decision S207(3).

Draft Development approval (EA) to Applicant Due

If the decision is to proceed with the application, the department must give draft to mining registrar and the applicant 5 BD after refusal period ends OR agreed longer period S208.

Information Notice sent (Optional) The department <i>may</i> give an information notice to the applicant, before the application notice is given, requiring another way of publishing the application notice S254(3).	
Date Written Notice sent to Applicant stating Objection Period The department must give written notice to the applicant stating the fixed objection period for the amendment application. The fixed objection period must be at least 20 BD and must end at least 20 BD after publication of the application notice. S255	
Objection Period End Date	
Statutory Declaration of Compliance Received Within 5 BD after the objection period ends, the applicant must give a statutory declaration stating if they have complied with the public notice requirements S214.	
Decision Due Grant EA on basis of draft EA if no objections, issue EA within 10 BD after end of objection period & no objections OR applicant gives notice stating no current objections S228	
PROCESS IF DECISION IS SIGNIFICANT INCREASE IN ENVIRONMENTAL HARM UNLIKELY	
Decision Due S257(1) Within 20 BD after the application valid date prescribed under S42 EP Reg 2008.	
Decision Notification Within 10 BD after the decision to grant or refuse the amendment application, the department must give an amended EA to the applicant OR give an information notice about the decision to refuse S258. After the amendment is made the applicant may submit an amended version of the current EM Plan for the EA, however the amended EM Plan can only be amendments that are necessary to reflect the amendment to the EA S258A.	

- Under *Part 8* an Environmental Authority (EA) (prospecting) cannot be amended and a condition of an EA about financial assurance cannot be amended or discharged S237.
 - An “**amendment application**” may be made for:-
 - (a) the holder of 2 or more EA’s (mining activities) seeks a new project authority for all mining activities.
 - (b) the holder of the existing project authority seeks removal of a particular mining tenement from the project authority and seeks a new EA (mining activities) for the tenement.
 - (c) the holder may seek for issue of a new authority, amendments to the existing conditions to remove inconsistencies or address changes in activities that will be authorised under the authority.
 - If the department does not make the decision about whether an EIS is required, within the statutory time frame, it is taken to have decided no EIS is required S162(4).
 - The department Minister may at any time before the application is decided, make the assessment level decision and also decide whether an EIS is required for the proposed amendment. If the Minister decides an EIS is not required, it must be decided at what stage or step within a stage, the processing of the application must start or resume (the start or resume stage or step must not be after the department has given the draft EA). The deciding of the application must start or resume at the stage or step decided by the minister. S247
 - In deciding whether to refuse or proceed with the application under S207, the department may refuse the application on the ground that it would be more appropriate for the applicant to seek the amendment by replacement of the EA S252.
 - Under S251 the applicant may submit an amended version of the current submitted EM Plan for the EA, however the amendments must comply with the provisions about submitted EM Plans stated under S251.
 - The department must within the objection period keep application documents available for public inspection during office hours on business days at the department’s head office or another the department appropriate office and permit a person to take extracts from the application documents, on payment of a fee S213.
 - If there are any current objections when the objection period ends then:-
 1. The objections are referred to the Land Court.
 2. The Land Court makes a recommendation about the application to the minister responsible for the *Mineral Resources Act 1989*.
 3. The department minister decides the application.
 - The applicant may withdraw the application at any time before the EA is issued, by giving written notice to the department and each entity that has made objection notices S229.
- # Note there is an internal departmental process related to the public notification provisions. Refer to the mining webpage on the SER ES website for the template and details about the process.

Administrative Checks against New Application and Ecotrack only	Yes	No	N/A
1. If the department is the assessment manager for the project; the activity does not include assessable development by council. If yes, council is the assessment manager. Should the department remain the assessment manager?	☐	☐	☐
2. Ensure that Ecotrack is showing the correct due dates (timeframes).	☐		
3. Ensure contact details are correct in Ecotrack. (ABN/ACN, name, addresses, phone nos. etc)	☐		☐
4. Ensure local government and site street address is entered.	☐		☐
5. Ensure Lot on Plan details are correct (check in a mapping system e.g. SMIS, QNtime). (If different update Ecotrack if appropriate and print out hard copy to attach to this checklist)	☐		☐
6. Ensure office responsible, project director and project manager details are correct.	☐		
7. Ensure for concurrence responses that the Council DA no. is entered (found on the acknowledgement notice). (Ecotrack - located in the middle of the application screen and is called "AM Appln Nos")	☐		☐
8. For ERA 57 Regulated Waste Transport ensure vehicle details are entered.	☐		☐
9. For all Surrender, Continuing Registration and Change to Anniversary Date applications are all annual return forms and fees up-to-date? (If NO then application is Invalid)	☐	☐	☐

Refer to the "Checklist Instructions" for more detailed information.

Once an officer has been allocated an application update their name in the following areas:

73(2)Irrelevant

73(2)Irrelevant

✓ New Applications Spreadsheet

✓ Ecotrack

Task Tracker (or similar)

Name

Signature

Date

R

Application to go to CAC:

IMPORTANT Please note the following:

CAC review date **8/1/2013**

ALD date: **8/1/2013**

Could you please ensure that the you forward your recommended decision for CAC **prior to 11am on 7/1/2013 to the PaLM email ONLY**. In the subject heading please put **CAC – date of CAC** so that the CAC Coordinator can easily identify the email.

If an extension to the CAC and / or ALD dates are required please ensure that Shari Sievers (CAC Coordinator) is notified as soon as possible **to the PaLM email only** prior to the **7/1/2013** with the new extension dates.

If it is decided that this application does not need to go to CAC please ensure that Shari Sievers (CAC Coordinator) is notified as soon as possible prior to the **7/1/2013**.

If an ALD extension is required please ensure the following have been completed:

- Please ensure that Ecotrack is updated with the new ALD date.
- An extension letter for the ALD is issued by the district and a copy placed on Ecotrack.

If you have any questions regarding this application please contact Shari Sievers on 3181 2410 as soon as possible after receiving this bring up.

An electronic copy of this e-mail has been placed in Ecotrack at External Documents for your information.

Please ensure that **all** emails are sent to the **PaLM** email address rather than the individual person.

Regards, Veronica Lightfoot

Veronica Lightfoot
Administration Officer
Permit and Licence Manager
Environmental Regulatory Practice and Support
Environmental Performance and Coordination Branch

Telephone: 1300 130 372 (Select option 4) **Facsimile :** 07 3330 5875

Email: palm@ehp.qld.gov.au

PALM

From: PALM
Sent: Tuesday, 18 December 2012 4:00 PM
To: ESR - ES Southern 400G
Cc: Stirrat Simon
Subject: BRING UP: PR# 241391 – Mining – The Austral Brick Company Pty Ltd
Importance: High
Attachments: 20121218154150223.pdf

SHARON GRIMES
 EHP
 LEVEL 8
 400 GOSFORD ST
 BRISBANE
 DEHP
 SOUTHERN REGION
 19 DEC 2012
 RECEIVED
 LVL 8 400G

Project Ref: 241391
 Permit Ref: MIN101484410
 Application No: 510636
 Tenure No: ML1151, 1152, 1156, 1165, 4578, 50035, 50115, 50165, 50189
 Client: The Austral Brick Company Pty Ltd

Annual Return Date: 24th April
Application Date: 17/12/2012

Dear Peter

An application has been received for an amendment. It has been entered into ecotrack on the 18/12/2012 and will be forwarded to you at the Brisbane South Region on 18/12/2012. 73(2)Irrelevant

The application has been forwarded to you for assessment for the following reasons:

Amendment to conditions and to remove ML1167

When assessing this application please ensure that Financial Assurance amounts are recalculated to ensure that adequate Financial Assurance is held by the Department.

Please note: The current Annual Return has automatically moved from the Current Permit to the Assessment permit. Please note that the Annual Return will **NOT** generate in Assessment. You are responsible for ensuring that the Annual Return continues to generate.

If the application will NOT be decided 5 weeks prior to the Annual Return date please do the following so that the return will generate automatically.

- 1 Cancel the Annual Return in the Assessment Permit
- 2 Manually generate the Annual Return in the Current Permit making sure that the Annual Return date is correct.
- 3 If/When the Assessment Permit is granted manually, generate the new Annual Return in the new Current Permit making sure that the Annual Return dates are correct.

There is **extra supporting** information provided by the applicant with their application and the entire application including all supporting documentation has been **scanned and e-mailed** to yourself and Sharon Grimes. Please commence assessment of the application. Do not wait for the hardcopy to arrive in the mail as this may compromise any due legislative dates.

R

- ☐ Regional Information and Filing
- ☐ PALM – Mining Co-ordinator to File

☒ Regional - Action Required

DNRM Office:

Brisbane

AR #: 036383 Admin. Office: Brisbane City South
 Project #: 241391 Permit #: min 101484410
 Application #: 50636 New Permit Reference#:



19 DEC 2012

RECEIVED

Permit and Licence Management Mining Environmental Authority Validation Checklist

TENURE TYPE:	APPLICATION FOR:	ASSESSMENT TYPE
☐ EPM ☐ EPC	☐ New EA ☒ Amend EA	☐ L2 Code Compliant
☐ MDL ☒ ML	☐ Transfer: ☐ Full ☐ Partial	☐ L2 Non-code Compliant
☐ MC	☐ Surrender: ☐ Full EA ☐ Full Tenure ☐ Partial	☒ ML1 Non-code Compliant
No/s 1151, 1152, 1156, 1165, 1157, 1165, 5015, 5016, 5018, 5019		

Applicant Name: The Austral Brick Company Pty Ltd

Co-ordinator: Shari Stevens Processing Officer: V. Lightfoot

Outstanding Fees ☒ Outstanding Returns ☒ Return Tab updated ☐ Annual Return Date: 24 APR

Indicate by Yes ☒ No ☐ or N/A ☐

All Applications	Application to Transfer
Application form completed ☒	Signed by both parties ☐
Form Signed and Dated ☒	Old EA checked for conditions and tenures ☐
Correct fees paid ☒	Application to Surrender
Fee paid \$ 276	Final Rehab Report ☐
Rec No 4183286	Audit Statement ☐
Date 17/12/12	Application for discharge of FA ☐
Application for New EA	Land Owners Consent for ML's ☐
Copy of completed DNRM Application form ☐	Application for EPM/EPC/MDL/MC
DNRM Map ☐	Financial Assurance Amount: \$.....
DNRM Public Enquiry Report ☐	Amount of financial assurance checked with DME before discharge ☐
Have any tenures been granted by DNRM ☒	
NO – tick Fee Exempt box in Application screen	

Application Received: 17/12/2012

Application Date: 17/12/2012

CAC Applications:

CAC Review date: 8/1/2013 EM Plan Attached ☐
 ALD Date: 8/1/2013 Extended Date:/...../20.....
 Extension Date:/...../20.....

RECEIVED / REGISTERED
 Department of Environment and Heritage Protection
 ESR Southern Region 400G
 BSA2012/1917
 19 DEC 2012

Strategic Cropping Land

Indicate Yes ☒ No ☐ or N/A ☐

Does the land contain SCL or Potential SCL? ☒	Stop Ecotrack Clock? ☒
If yes, has the applicant applied to operate under a SCL quarantine condition? ☒	Quarantine condition granted? ☒
Is an SCL determination required? ☒	EA cannot be granted until SCL Determination has been granted
Has an SCL determination previously been granted for this EA application? ☐	Compliance Certificate ☐ Protection Decision ☐
Has an SCL application been received? ☐	SCL Application No:
SCL Protection Decision	Compliance Certificate ☐ Protection Decision ☐
Protection Decision issued (date:/...../20.....)	SCL Application No:
Protection Decision rejected as incomplete (date:/...../20.....)	SCL Compliance Certificate
	Compliance certificate issued (date:/...../20.....)
	Compliance certificate rejected as incomplete (date:/...../20.....)

APPLICATION PROCESSINGIndicate Yes ☒ No ☒ or N/A ☐**Is the Application Valid**☒ if ☒, proceed with Notice of Invalid Application**Other Agency Interests**(Applies to applications for new EPM/EPC/MDL)
if ☒, list the features identified from Ecomaps☒ Indigenous Heritage ☐Other: WCSAR, WR,
WCSAR
OTHER: CP, EPM,
RIA,**Is tenure located within Wild Rivers**☒if ☒, undertake following tasks**Is the tenure located within a
Proposed National Park**

(Applies to applications for new EPM/EPC/MDL)

Grid Reference: Latitude:

☒

- ☐
- Send notification to Tim Ellis, Tenure Action Group
-
- ☐
- Send notification to Buzz Symonds, Cape York Penn

Decision Notice and Permit Sent☒Entered on Ecotrack ☒ Fee exempt box ticked ☒

Ecotrack Clock stopped (SCL)

(Date/...../20.....)

☐

Ecotrack Clock re-started (SCL)

(Date/...../20.....)

☐**Biodiversity Offset Policy**☒Email sent to BOO ☒State significant biodiversity values may be impacted by the grant of this application and offset may be required.
These values should be considered when undertaking the assessment of the application.**CCL2 Draft ML**☒

- ☐
- Stop clock in Ecotrack
-
- ☐
- Create file
-
- ☐
- Enter file details into spreadsheet
-
- ☐
- Important note in Ecotrack

Approved by Delegate

(Applies to applications for new EPM/EPC/MDL)

☐

Signature

Date

Record of consultation

Applicant Name:

Date	Contact:	Phone #:
	Information Requested:	
18/12/12	Response: <u>Processor</u> Ecotrack is currently incorrect it does not list all current tenures. Please re add in all tenures listed on front page.	
	PaLM Staff:	

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17 DEC 2012

P.d.M.

Form

Mining

Application to amend an environmental authority (mining activities) for a level 1 mining project

OFFICIAL USE ONLY

DATE RECEIVED:

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FILE REF:

PROJECT REF:

COMPLETE FORM

☐

CORRECT AA

☐

COMPLETE FEE

☐

ADMINISTERING REGION:

ENTERED BY (SIGNATURE):

DATE:

--	--	--

This form is to be used when applying for an amendment of an environmental authority for a level 1 mining project under s. 240 of the *Environmental Protection Act 1994*.

The holder of an environmental authority (mining activities) may use this form to:

- add a new mining tenement to an existing environmental authority;
- increase the surface area of a tenement;
- include additional activities or change the scale or type of activities;
- request an amendment to the conditions of an existing environmental authority;
- request an amendment to an environmental authority to reflect a change in the relevant standard environmental conditions;
- remove one or more existing holders of an environmental authority;
- as part of an application for the transfer of environmental authority, the proposed transferee is seeking an amendment to the authority;
- to nominate a principal holder.

(The principal holder under the *Environmental Protection Act 1984* should also be the principal holder under the *Mineral Resources Act 1989*.)

Do not use this form:

- to correct a clerical or formal error. The administering authority can make the correction as long as the proposed amendment does not adversely affect the interests of the environmental authority holder, or anyone else.

To amend a financial assurance, if there are no other amendments to your environmental authority, use the form *Application for Amendment or Discharge of Financial Assurance for an Environmental Authority (Mining Activities) (EM2104¹)*.

If you are applying for a new mining tenement to be added to an existing environmental authority, or requesting additional surface area for an existing environmental authority, please submit this form, together with the required fee, to the Mining Registrar.

For all other applications, please submit the completed form, together with the required fee, to the administering authority.

¹ This is the publication number, which can be used as a search term to find the latest version of the publication at <www.ehp.qld.gov.au>.

Specific information requirements

Question 1 – Applicants

The applicants for, and/or holders of a relevant mining tenement for a mining project must also be the applicants for and/or holders of the associated environmental authority (EA).

Joint holders may appoint one of the applicants as the principal applicant (for submitting and receiving notices etc) by completing Attachment A.

1. Environmental authority (EA) holder name(s)

NAME & ABN/ACN: The Austral Brick Company Pty Ltd, ABN 52 000 005 550
NAME & ABN/ACN:
NAME & ABN/ACN:

Question 2

Ensure that Attachment A is completed.

2. Principal holder name (where applicable)

NAME & ABN/ACN: The Austral Brick Company Pty Ltd, ABN 52 000 005 550
--

Question 3 – Contact person

Where the holder or principal holder is a company, identify a responsible person to act as signatory of this application.

3. Contact person for this application

NAME : Adam Davies	
POSITION: Property Development Manager	
REGISTERED BUSINESS ADDRESS: 105 Gardner Road ROCHEDALE QLD 4123	
FULL POSTAL ADDRESS: C/o- Groundwork Plus PO Box 1779 MILTON QLD 4064	
PHONE: (07) 3871 0411	FAX: (07) 3871 0021
MOBILE PHONE: -	EMAIL: info@groundwork.com.au

Form

Application to amend an environmental authority (mining activities) for a level 1 mining project

Environmental authority to be amended

Question 4

EA details may be found on the existing authority, relevant tenement approval or quoted in other correspondence received from the administering authority.

If you cannot locate the authority number, please contact the administering authority.

Where the Mining Registrar has previously issued a project number, provide that number.

4. EA details

PROJECT NUMBER (WHERE ISSUED): PJ 50036
PROJECT NAME: The Austral Brick Company Pty Ltd
ENVIRONMENTAL AUTHORITY NUMBER MIN 101484410
TENEMENT TYPE AND NUMBER (E.G. ML1234): ML1151, ML1152, ML1156, ML1165, ML1167 (to be removed, total surrender), ML4578, ML50035, ML50115, ML50165 and ML50189

Question 5 – Removing holders

This application form cannot be used to include a person as a new holder of the authority. Use the form titled Application to Transfer an Environmental Authority (Mining Activities) (EM568).

If the person to be removed is the holder of a relevant mining tenement, it is likely that the administering authority may require that person to remain a holder of the authority.

The holders of the EA must be the same people as are holders of the associated tenements.

5. Do you wish to remove one or more existing holders from the EA?

- ☐ Yes → List the existing holders of the EA to be removed from the authority

HOLDER(S) NAME:

If this is the only purpose of the amendment application, no further information is required → go to Question 18

- ☒ No → Go to Question 6

Question 6

The maps for identifying strategic cropping land (SCL) and potential SCL can be found on the EHP website at www.ehp.qld.gov.au/licences-permits/maps_of_environmentally_sensitive_areas.php.

6. Are any of the current or proposed mining tenements over land that is designated as strategic cropping land (SCL) or potential SCL as shown on a SCL trigger map?

- ☐ Yes → Go to Question 7
☒ No → Go to Question 8

Form

Application to amend an environmental authority (mining activities) for a level 1 mining project

Question 7

An application for an SCL compliance certificate provides a streamlined assessment pathway for resource activities that pose a low risk to adversely impacting on SCL or potential SCL. You must be able to comply with the SCL standard conditions code for resource activities to apply for an SCL compliance certificate.

If you cannot comply with SCL standard conditions code for resource activities, you must apply for an SCL protection decision.

The SCL application forms and SCL standard conditions code for resource activities are available on the EHP website.

An environmental authority can not be issued unless an SCL compliance certificate has been given or an SCL protection decision has been made.

Question 8

The amendment is not limited to the existing conditions of the EA. Holders may apply to have additional conditions included in the EA.

7. How will, or have, you considered *Strategic Cropping Land Act 2011* requirements?

- ☐ Considered under the SCL standard conditions code for resource activities.
- ☐ I/We have already applied for a compliance certificate:
Ref No.
- ☐ I/We will be applying for a compliance certificate.
- ☐ Considered under a SCL protection decision
- ☐ I/We have already applied for a protection decision:
Ref No.
- ☐ I/We will be applying for a protection decision.

8. What is the purpose for seeking an amendment to the environmental authority?

- To include additional activities or a change in the scale or type of activities → Go to Question 9
- To amend conditions of an existing authority → Go to Question 10
- As part of an application for the transfer of an EA where the proposed transferee is seeking an amendment of the EA → Go to Question 17
- To increase surface area of the tenement, or to add a new mining tenement to the existing EA (provide details in the below sections).

TENEMENT TYPE AND NUMBER (E.G. MLA1234):

- ☒ Other.

PLEASE SPECIFY:

Refer Q10, to remove the mining lease ML1167 from the Environmental Authority MIN101484410 and amend conditions where relevant to remove references to ML1167 the Oxley site.

Form

Application to amend an environmental authority (mining activities) for a level 1 mining project

Question 9 – Activities

Please include information on any additional tenements, an increase in surface area, an increase in rate of production or disturbance, or the building of additional infrastructure.

The application may be refused on the grounds that it would be more appropriate for the applicant to seek the amendment by replacement of the EA.

9. Do you intend to carry out additional activities and/or change the scale or type of activities that make up the project?

☐ Yes → Please provide details below

PLEASE SPECIFY:

LIST ADDITIONAL TENEMENT(S):

PLEASE ATTACH DETAILED INFORMATION OUTLINING THE CHANGES TO THE ACTIVITIES THAT MAKE UP THE PROJECT

Tick to indicate attachments: ☐

☒ No → Go to Question 10

Question 10 – Conditions

Holders may apply to have additional conditions included in the EA. However, the administering authority may grant the application only if it considers the amendment necessary or desirable.

10. Do you wish to amend one or more conditions of your EA?

☒ Yes → Go to Question 11

☐ No → Go to Question 14

Question 11

A condition of an EA requiring a financial assurance cannot be amended or discharged using this form, or under the amendment provisions of chapter 5, part 8 of the EP Act.

11. Identify the EA condition(s) to be amended

CONDITION NUMBER(S):

C1-1 (amend Schedule C - Table 1 only), D1-3 (amend Schedule D-Table 1 only), F1-1 (amend Schedule F-Table 1 only) refer to attachment 1 for details

IF YOU REQUIRE ADDITIONAL SPACE, PLEASE ATTACH A SEPARATE SHEET

Tick to indicate attachments: ☒

Form

Application to amend an environmental authority (mining activities) for a level 1 mining project

Question 12

If you require additional space, please attach a separate sheet

12. Explain why the conditions listed in Question 11 cannot be met

EXPLANATION:

An application has been made to surrender the whole of ML 1167. Conditions relating to ML 1167 are no longer required.

Tick to indicate attachments:

☐

Question 13

Please provide supporting information to ensure the activities do not cause material or serious environmental harm.

If you require additional space, please attach a separate sheet

13. Propose replacement condition(s)

NEW CONDITION(S):

Remove references to ML1167 and Oxley from abovementioned conditions. Refer to attachment 1

Tick to indicate attachments:

☒

Question 14 – Financial assurance

As a result of the amendment process, the holder of the EA must provide financial assurance as required by the Codes of environmental compliance.

For further details, see the guideline Calculating Financial Assurance for Mining Projects (EM585) and the relevant code of environmental compliance. Electronic copies are available at <www.ehp.qld.gov.au>

Financial assurance is calculated as follows:

- (i) for mining leases, from a schedule of disturbance and rehabilitation in the plan of operations
- (ii) for exploration permits and mineral development licences, by reference to the schedule of rehabilitation costs in the Code of Environmental Compliance for Exploration and Mineral Development Projects
- (iii) total financial assurance for the mining project is obtained by adding the financial assurances in (i) and (ii) above.

14. Indicate the amount of financial assurance to be held for the amended EA for the mining project:

Total amount of financial assurance proposed to be held:

\$ 646,500 (nil change from original FA calculation) refer attachment 2

Tick to indicate attachment:

☒

The proposed amount of financial assurance will be reviewed by the administering authority and may be altered at the discretion of the administering authority if it is not consistent with the area of disturbance and rehabilitation requirements.

Form

Application to amend an environmental authority (mining activities) for a level 1 mining project

Questions 15 - 17

Include the GST component when stating the amount proposed to be held/lodged, and the amounts currently held where relevant (adding the GST component if it has not been previously submitted).

15. In the table below, insert the appropriate amounts and form of financial assurance in relation to the EP Act.

	Amount of financial assurance	Form of financial assurance ³
Amount proposed to be held in Question 14	\$ 646,500	Bank guarantee
Amount currently held ¹	\$ 646,500	Bank guarantee
Difference between the amount proposed and the amount currently held ²	\$ 0	NA

¹ Insert the amount and form of financial assurance that is currently held by the administering authority under the EP Act (i.e. not including tenement security required by the Mining Registrar under the *Mineral Resources Act 1989*).

² A negative amount is the amount of financial assurance to be returned by the administering authority (Question 17 applies). A positive amount is the additional financial assurance (including GST) to be submitted to the administering authority (Question 16 applies).

³ The administering authority will require financial assurance either as cash or as an unconditional guarantee from a suitable financial institution.

16. Where a financial assurance is to be amended and lodged with this application, please identify the person(s), company/companies or institution providing the financial assurance on behalf of the (proposed) authority holder(s), nominate the amount and the manner in which the financial assurance is being provided.

NAME(S) & ABN/ACN:	AMOUNT \$:	MANNER HELD: ☐ cash ☐ financial institution unconditional guarantee
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Questions 17

Where a financial assurance is to be returned to a company or financial institution, provide the Australian Business Number (ABN) or the Australian Company Number (ACN) for that company/institution.

17. Where a financial assurance is to be discharged and returned to a person(s), company/companies or financial institution, please identify the person, company or institution, nominate the amount to be returned and the manner in which the financial assurance is currently held.

NAME(S) & ABN/ACN:	AMOUNT \$:	MANNER HELD: ☐ cash ☐ financial institution unconditional guarantee
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Form

Application to amend an environmental authority (mining activities) for a level 1
mining project

Question 18

Please read carefully through the certification opposite and tick all of the boxes if appropriate, before signing.

Privacy statement

The Department of Environment and Heritage Protection is committed to protecting the privacy, accuracy and security of your personal information in accordance with the *Information Privacy Act 2009*. The information will be accessed only by authorised employees within the department for the purposes of processing this application to amend an environmental authority, as authorised under s. 240 of the *Environmental Protection Act 1994*. To enable the processing of this application, information may be given to the Department of Natural Resources and Mines. Your personal information will not be disclosed to any other third parties without your consent or unless authorised or required by law. All information supplied on or with this form may be made available to others upon request, subject to provisions of the *Right to Information Act 2009* and *Evidence Act 1977*. For queries about privacy matters email: AdminReview@ehp.qld.gov.au or telephone: (07) 3896 3705.

18. Applicant certification

- ☒ I/we, being the person(s)/entity identified at Question 1, hereby apply to amend the EA stated at Question 4 as detailed in this application.
- ☒ I/we solemnly and sincerely declare that the information provided is true and correct to the best of my/our knowledge and I/we make this solemn declaration conscientiously believing the same to be true.
- ☒ I/we understand that all information supplied on or with this application form may be made available upon request, subject to the provisions of the *Right to Information Act 2009* and/or administrative access arrangements of the administering authority.
- ☒ I/we understand that suitability inquiries may be made of any applicant.
- ☒ I/we enclose the required amendment application fee² of \$ 276.00
- ☒ I/we am/are authorised to sign on behalf of the applicant(s), and commit this person/entity in all matters relevant to this application.
- ☒ I/we am/are aware that under s. 480 of the *Environmental Protection Act 1994*, it is an offence to give the administering authority information that I/we know is false, misleading or incomplete in any material particular.
- ☒ I/we understand that an incomplete application (including applications that do not include the fee) may be invalid. Invalid applications will be returned without processing and will only be processed if resubmitted with all invalidating issues addressed.

SIGNATURE :

73(2)Irrelevant

NAME AND POSITION OF SIGNATORY:

Adam Davies, Property Development Manager

DATE:

2-10-12

R

² See the information sheet Fees for Permits for Environmentally Relevant Activities (ERAs) (EM33), available at <www.ehp.qld.gov.au> or through Permit and Licence Management, phone 13 QGOV (13 74 68).

Form

Application to amend an environmental authority (mining activities) for a level 1
mining project

Applicant checklist

- ☒ Application form completed and signed
- ☒ Fees paid or enclosed (if applicable)
- ☒ Supporting information or accreditation attached (if applicable)

Please return the completed application form with the required fee to either:

Permit and Licence Management
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

The relevant district office of the:
Mining Registrar
Department of Natural Resources and Mines

Enquiries:

Permit and Licence Management
Phone: 13 QGOV (13 74 68)
Fax: (07) 3896 3342
Email: palm@ehp.qld.gov.au

Form

Application to amend an environmental authority (mining activities) for a level 1
mining project

Attachment A

Appointment of principal holder

We, being joint holders/applicants for this amendment application, hereby appoint

PRINT NAME OF PRINCIPAL APPLICANT:

NA

as the Principal Holder for this EA until otherwise revoked by us or the EA is surrendered.

List all joint applicants

APPLICANT NAME / COMPANY:

NA

SIGNATORY NAME & POSITION:

SIGNATURE:

DATE:

APPLICANT NAME / COMPANY:

SIGNATORY NAME & POSITION:

SIGNATURE:

DATE:

APPLICANT NAME / COMPANY:

SIGNATORY NAME & POSITION:

SIGNATURE:

DATE:

APPLICANT NAME / COMPANY:

SIGNATORY NAME & POSITION:

SIGNATURE:

DATE:

The administering authority may accept an application for EA made for all the joint holders by a person who is a joint holder if satisfied the person is authorised to make the application for each of the joint holders.

In deciding an application for the EA, the administering authority must consider any suitability report obtained for the application.

Attachment 1

Conditions to be Amended

Following the surrender of the Mining Lease (ML) Number 1167, The Austral Brick Company Pty Ltd wish to amend the Environmental Authority (EA) MIN 101484410 to remove ML 1167 and all references to ML 1167 and the Oxley site from the EA.

The proposed amended conditions in accordance with question 13 of the Application to amend an environmental authority (mining activities) for a level 1 mining project are as follows (please note all characters which have been struck out are to be removed from the EA):

Schedule C – Water

Release to Water

C1-1 Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Schedule C – Table 1 (at the locations depicted in Appendix 1 Figures 1, 2, 3 and 4) and comply with the containment limits defined in Schedule C – Table 2.

Schedule C – Table 1: Water monitoring locations and frequency

Schedule C – Table 1: Water monitoring locations and frequency				
*Monitoring point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)				
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"
R4	Background for points R2 and R5	510500	6951200	When points R2 and/or R5 are sampled
R2	Discharge	510880	6951600	Each pumped release
R5	Discharge	511470	6952600	"Event Release" and each pumped release
Burbank Lease (ML 1552)				
B1	Discharge	513890	6949050	"Event Release"
Redland Bay Lease (ML50035)				
RB1	Discharge	526590	6943600	"Event Release"
RB2	Discharge	526350	6943600	"Event Release"
RB3	Discharge	526160	6943250	"Event Release"
Oxley Lease (ML1167)				
O1	Discharge	497350	6951000	Each pumped release

* Refer to Appendix 1 Figure 1, 2, 3 and 4 for monitoring locations.

Schedule C - Table 2: Contaminant release limits

Monitoring point	Parameter	Minimum	Maximum
Rochedale Leases (MLs 1156, 1151, 1165, 50189 and 50165)			
R2 and R5	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L or not more than 110% of the value at R4*
R3	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*
Burbank Lease (ML 1552)			
B1	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L
Redland Bay Lease (ML50035)			
RB1, RB2, RB3	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L
Oxley Lease (ML1167)			
01	pH	6.5	9
	Total suspended solids (mg/L)	-	50mg/L

* for the same monitoring event

Schedule D – Noise and Vibration

Noise Nuisance

(D1-3) No mining activities may be undertaken outside of the hours for the sites listed in Schedule D – Table 1, unless the activities are solely for pollution control.

Schedule D – Table 1: Operating hours

Tenure(s) mining leases	Location	Hours
1151, 1156, 1165, 50165, 50189	Rochedale	Mon-Fri 6am-6pm; Sat 6am-5pm
1152	Burbank	Mon-Fri 7am-5pm
50035	Redland Bay	Mon-Fri 7am-6pm; Sat 7am-4pm
1167	Oxley	Mon-Fri 7am-5pm
4578	Swanbank	Mon-Sat daylight hours
50115	New Chum	Mon-Sat daylight hours

Schedule F – Land

Rehabilitation landform criteria

(F1-1) All areas significantly disturbed by mining activities must be rehabilitated in accordance with Schedule F – Table 1.

Schedule F – Table 1: Final land use and rehabilitation outcomes

Tenure ID	Disturbance Type	Projective surface area (ha)	Rehabilitation outcome
Rochedale Leases			
ML1151	Infrastructure (brick manufacturing and ancillary facilities)	22.5	Industrial
	Mine void	7.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 1
	Amenity banks / buffers	4.0	Native ecosystem
ML1156	Mine void	31.5	Industrial
	Sediment traps	2.0	Industrial or Wetland Type 1
	Amenity banks / buffers		Native ecosystem
ML1165	Mine void	5.0	Industrial
	Sediment traps / water basins	0.2	Wetland Type 2
	Amenity banks / buffers	0.8	Native ecosystem
ML50165	Mine void	3.7	Wetland Type 2
	Amenity banks / buffers	3.2	Native ecosystem
ML50189	Mine void	5.2	Wetland Type 2
	Amenity banks / buffers	1.6	Native ecosystem
Burbank Lease			
ML1152	Mine void	24	Native ecosystem
	Sediment traps / water basins	0.6	Wetland Type 1
	Roads	1.0	No rehabilitation required – retain
	Buffer	8.8	Native ecosystem
Redland Bay Lease			
ML50035	Mine void	17.2	To be determined
	Sediment traps / water basins	1.0	Wetland Type 1
	Roads	0.8	No rehabilitation required – retain
	Buffer	4.0	Native ecosystem
Oxley Lease			
ML1167	Mine void	7.8	Industrial
	Sediment traps / water basins	0.5	Wetland Type 1
	Roads	0.5	No rehabilitation required – retain
	Buffer	8.6	No rehabilitation required – retain / residential
New Chum Lease			
ML50115	Mine void	31.0	Industrial
	Spoil stockpiles	13	Industrial
	Roads	3.0	No rehabilitation required – retain
	Water storages	1.5	No rehabilitation required – retain
Swanbank Lease			
ML4578	Mine voids	17.2	Industrial
	Stockpile areas	3.3	Industrial
	Spoil stockpiles	10.0	Industrial
	Roads / power line easements	3.3	No rehabilitation required – retain
	Water storages	0.8	No rehabilitation required – retain

Attachment 2

Financial Assurance Calculation

The Austral Brick Company Pty Ltd do not wish to amend the Financial Assurance for project PJ 50036. As mentioned in Section 6.2 of the current Plan of Operations 2008-2013, both rehabilitation, and rehabilitation liability issues for the Oxley lease at the time of calculation were quite complex and did not conform to generally applied guidelines and policies. Rehabilitation costs were calculated in the view of the advanced rehabilitation of the land and its high potential sale value for purposes other than mining. As a result, no ongoing rehabilitation liability was assigned for the lease in the Plan of Operation.

As detailed in the document titled Final Rehabilitation Report (FRR) Partial Surrender of EA MIN101484410; Total Surrender of Mining Lease No. 1167, the site has been rehabilitated with the mining void filled to a suitable pre mining landform and redevelopment currently underway by the landowner Unison Projects Pty Ltd for residential use in accordance with multiple BCC development permits. These permits are attached to the FRR.

Published on DES Disclosure Log
RTI Act 2009



19 DEC 2012

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LVL 8 4000

Project Running Report

Date: 08-NOV-2012 Status: Application Validation Decision: Level 2

Name	Address Line 1	Address Line 2	Suburb	Postcode	State
103 Riverview Road, RIVERVIEW	103 Riverview Road		RIVERVIEW	4303	QLD

Agency Interests/Ratings

Category	Type	Rating
----------	------	--------

Permits: 1

Permit Ref	Permit Type	Status
CLEA03473812	Site Report Assessment for Land on the Environmental Management Register or Contaminated Land Register	Current

Date: 17-DEC-2012 Status: Application Validation Decision: Level 2

Primary Clients

Name	Address Line 1	Address Line 2	Suburb	Postcode	State
The Austral Brick Company Pty Ltd	105 Gardner Road		ROCHEDALE	4123	QLD

Primary Contact

Name	Contact Number
DERM	

Activities

Name
Mining - Mining Lease - not otherwise specified - Level 1

Locations

Name	Address Line 1	Address Line 2	Suburb	Postcode	State
ML1151	Redbank & Rochedale				
ML1152	Update site for ML1152				
ML1156	Update site for ML1156				
ML1165	Update site for ML1165				
ML4578	Update site for ML4578				
ML50035	Update site for ML50035				
ML50115	Update site for ML50115				
ML50165	Update site for ML50165				
ML50189	brisbane				

Agency Interests/Ratings

Category	Type	Rating
----------	------	--------

Permits: 1

Permit Ref	Permit Type	Status
MIN101484410	Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project	Assessment



Project Running Report

Date 13-AUG-2012 Status Assessment Decision Level 2

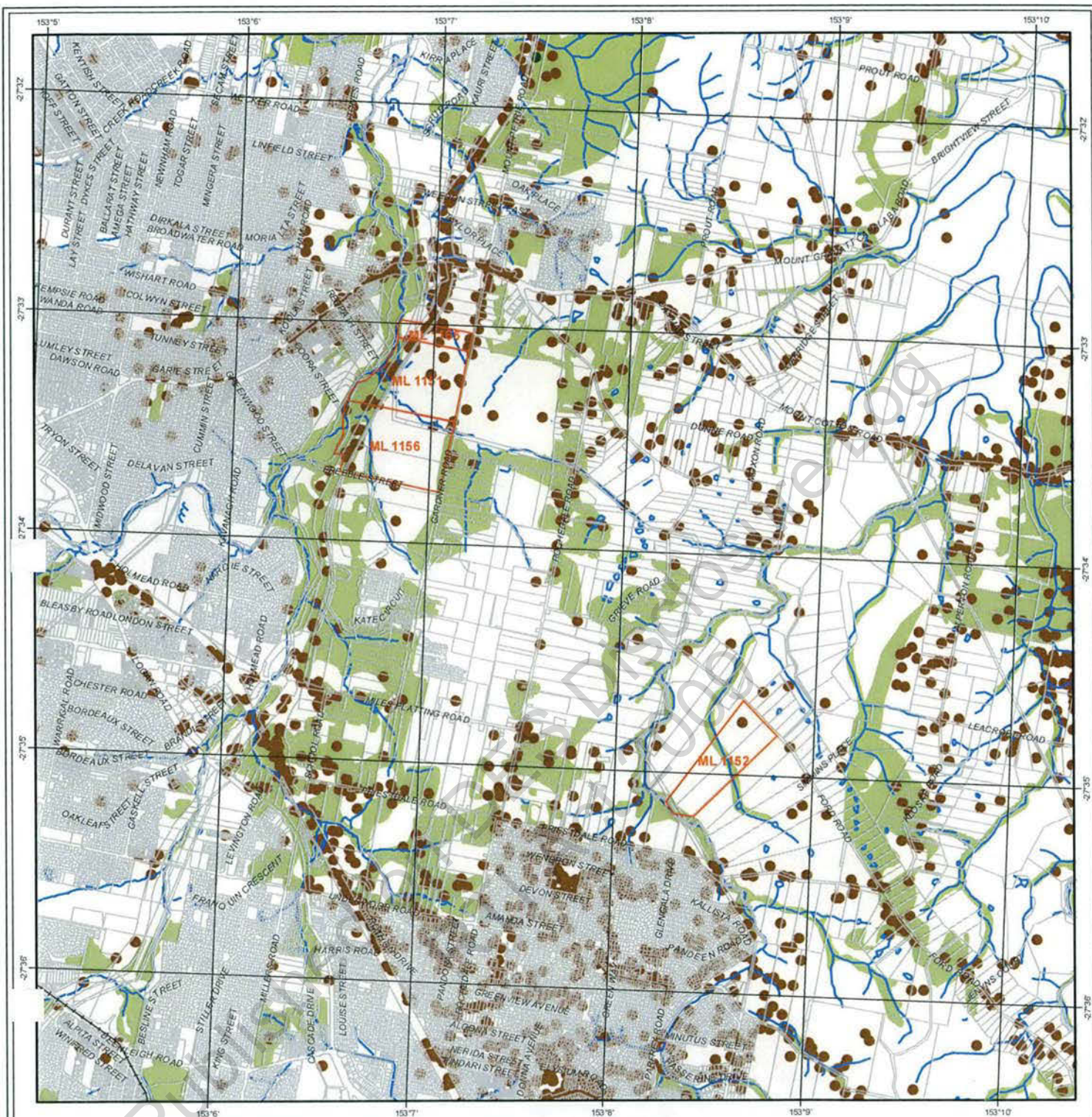
Notifiable activity or industrial activity					
Locations					
Name	Address Line 1	Address Line 2	Suburb	Postcode	State
103 Riverview Road, RIVERVIEW	103 Riverview Road		RIVERVIEW	4303	QLD
Agency Interests/Ratings					
Category	Type		Rating		
Land	Land - erosion/stability		Unknown (default)		
Land	Land - contaminated land		Unknown (default)		
Permits: 1					
Permit Ref	Permit Type		Status		
SPCL04613712	Concurrence Response for Reconfiguration involving contaminated land.		Current		

Date 15-OCT-2012 Status Application Validation Decision Level 2

Primary Clients					
Name	Address Line 1	Address Line 2	Suburb	Postcode	State
The Austral Brick Company Pty Ltd	105 Gardner Road		ROCHEDALE	4123	QLD
Primary Contact					
Name	Contact Number				
DERM					
Activities					
Name					
Mining - Mining Lease - not otherwise specified - Level 1					
Locations					
Name	Address Line 1	Address Line 2	Suburb	Postcode	State
ML1167	Update site for ML1167				
Agency Interests/Ratings					
Category	Type		Rating		
Permits: 1					
Permit Ref	Permit Type		Status		
MIN101484410	Environmental Authority (Mining Lease) Non Code Compliant Level 1 Mining Project		Current		

Date 08-NOV-2012 Status Application Validation Decision Level 2

Primary Clients					
Name	Address Line 1	Address Line 2	Suburb	Postcode	State
The Austral Brick Company Pty Ltd	105 Gardner Road		ROCHEDALE	4123	QLD
Activities					
Name					
Assessment Of Site Investigation Report For Land On Emr/clr					
Locations					



Map - Biodiversity Offsets

Reference no: BiodiversityOffsets-MIN101484410 bio [part 1]

Legend

Area of Interest:

Searched area

Biodiversity Offsets Triggers:

- WildNet Conservation Significant Plant Records
- WildNet Conservation Significant Animal Records
- Watercourses Remnant and 25k Remnant
- GBR Wetland Protection Area HES Wetland
- GBR Wetland Protection Area Trigger Area
- Other BOP Trigger - Combined

Highlighted features found

ML: '1151'
ML: '1152'
ML: '1156'
ML: '1155'



- Cadastre
- Freeways, Motorways and Highways
- Other roads and tracks
- Railway Lines
- Towns

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0 320 640 1280 1920 2560

Horizontal Datum: Geocentric Datum of Australia 1994 (GDA94)

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R

Biodiversity Offsets Layers - within found features (i.e. no buffer)**WildNet Conservation Significant Animal Records**

Kingdom	Scientific Name	NCA
Animalia	Phascolarctos cinereus (southeast Queensland bioregion)	V

Watercourses 25k Remnant

Feature Type
intermittent_watercour
pool
reservoir
watercourse

BOP Trigger Combined

E RE	E Grs RE	OC RE	OC Grs RE	Thresh RE	Crit Lim RE	Ess Hab	Ess Regrth Hab	High Val Regrth	WetInd or Sig WetInd	BOP Value Count
									Wetland	1
								Containing Endangered regional ecosystems		1
								Containing Of Concern regional ecosystems		1
							essential			1
						essential			Wetland	2
		Remnant Of Concern RE								1
Remnant Endangered RE										1
Remnant Endangered RE						essential				2

WildNet Conservation Significant Plant Records ** No Data Found **

Watercourses Remnant ** No Data Found **

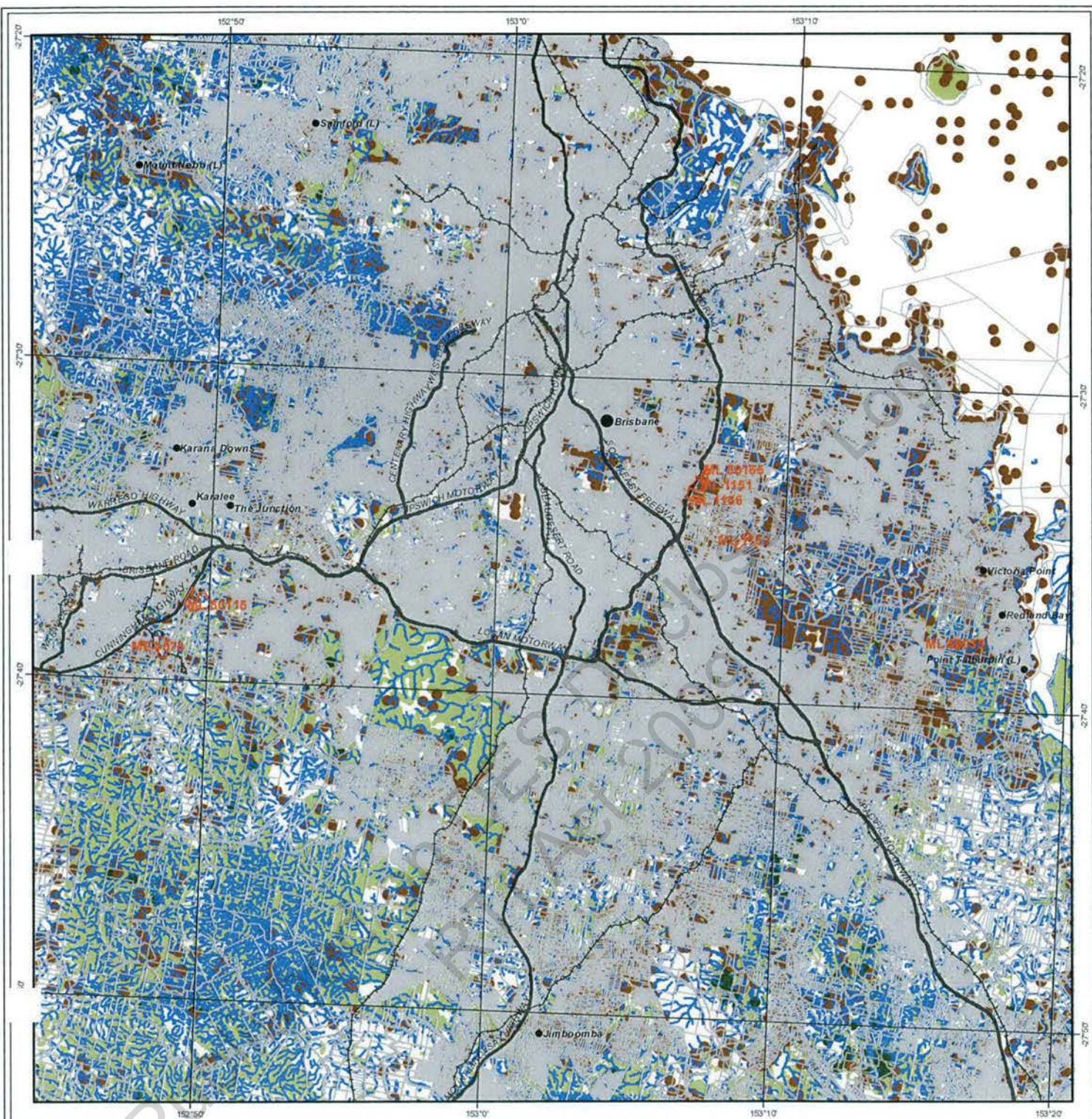
GBR Wetland Protection Area HES Wetland ** No Data Found **

GBR Wetland Protection Area Trigger Areas ** No Data Found **

WildNet records within 2km of the found features:2000 - 2000(m Buffer)**WildNet Conservation Significant Animal Records**

Kingdom	Scientific Name	NCA
Animalia	Accipiter novaehollandiae	NT
Animalia	Adelotus brevis	V
Animalia	Apus pacificus	C
Animalia	Ardea ibis	C
Animalia	Ardea modesta	C
Animalia	Coracina tenuirostris	C
Animalia	Hirundapus caudacutus	C
Animalia	Melithreptus gularis	NT
Animalia	Merops ornatus	C
Animalia	Monarcha melanopsis	C
Animalia	Myiagra cyanoleuca	C
Animalia	Numerius madagascariensis	NT
Animalia	Phascolarctos cinereus (southeast Queensland bioregion)	V
Animalia	Pteropus poliocephalus	C
Animalia	Rhipidura rufifrons	C
Animalia	Symposiachrus trivirgatus	C

WildNet Conservation Significant Plant Records ** No Data Found **



Map - Biodiversity Offsets

Reference no: BiodiversityOffsets-MIN101484410 bio

Legend

Area of Interest:

— Searched area

Biodiversity Offsets Triggers:

- WildNet Conservation Significant Plant Records
- WildNet Conservation Significant Animal Records
- Watercourses Remnant and 25k Remnant
- GBR Wetland Protection Area HES Wetland
- GBR Wetland Protection Area Trigger Area
- Other BOP Trigger - Combined

Highlighted features found

ML: '1151'
ML: '1152'
ML: '1156'
ML: '1165'
ML: '4578'
ML: '50035'
ML: '50115'
ML: '50165'
ML: '50189'



- Cadastre
- Freeways, Motorways and Highways
- Other roads and tracks
- Railway Lines
- Towns

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0 2 200 4 400 6 600 13 300 17 600

Horizontal Datum: Geocentric Datum of Australia 1984 (GDA84)

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Biodiversity Offsets Layers - within found features (i.e. no buffer)**WildNet Conservation Significant Animal Records**

Kingdom	Scientific Name	NCA
Animalia	Phascolarctos cinereus (southeast Queensland bioregion)	V

Watercourses 25k Remnant

Feature Type
intermittent_watercour
pool
reservoir
watercourse

Watercourses Remnant

Stream Order
1
2
3
5

BOP Trigger Combined

E RE	E Grs RE	OC RE	OC Grs RE	Thresh RE	Crit Lim RE	Ess Hab	Ess Reqrth Hab	High Val Reqrth	WetInd or Sig WetInd	BOP Value Count
									Wetland	1
								Containing Endangered regional ecosystems		1
								Containing Of Concern regional ecosystems		1
							essential			1
							essential	Containing Endangered regional ecosystems		2
							essential	Containing Of Concern regional ecosystems		2
						essential				1
						essential			Wetland	2
		Remnant Of Concern RE								1
Remnant Endangered RE										1
Remnant Endangered RE						essential				2

WildNet Conservation Significant Plant Records ** No Data Found **

GBR Wetland Protection Area HES Wetland ** No Data Found **

GBR Wetland Protection Area Trigger Areas ** No Data Found **

WildNet records within 2km of the found features:2000 - 2000(m Buffer)**WildNet Conservation Significant Plant Records**

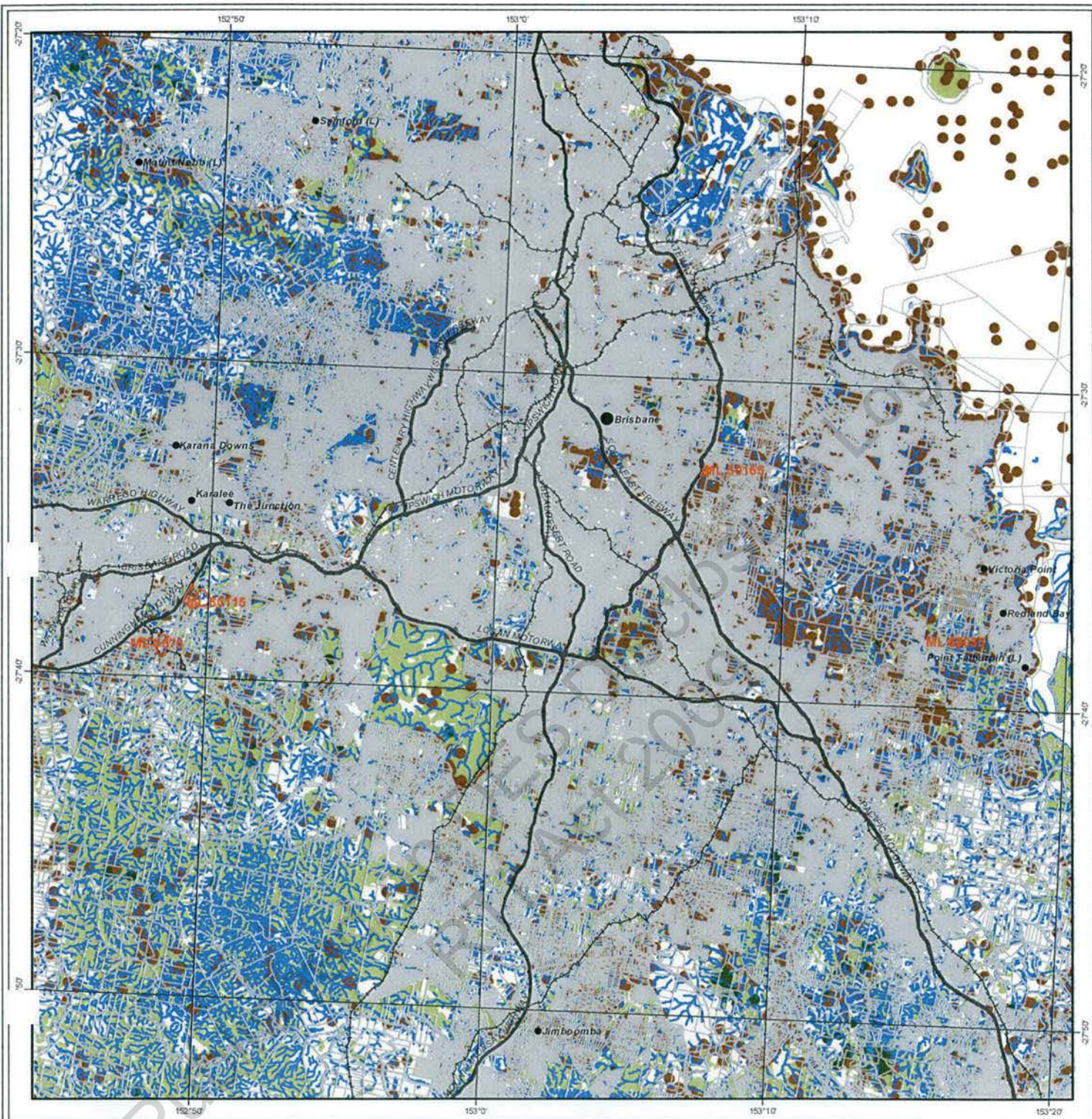
Kingdom	Scientific Name	NCA
Plantae	Marsdenia coronata	V
Plantae	Notelaea ipsviensis	E
Plantae	Notelaea lloydii	V
Plantae	Zieria furfuracea subsp. gymnocarpa	E

WildNet Conservation Significant Animal Records

Kingdom	Scientific Name	NCA
Animalia	Accipiter novaehollandiae	NT
Animalia	Acrocephalus australis	C
Animalia	Actitis hypoleucos	C
Animalia	Adelotus brevis	V
Animalia	Apus pacificus	C
Animalia	Ardea ibis	C
Animalia	Ardea modesta	C
Animalia	Calidris acuminata	C
Animalia	Calyptorhynchus lathamii	V
Animalia	Coracina tenuirostris	C
Animalia	Crinia tinnula	V

Animalia	Danaus plexippus plexippus	
Animalia	Ephippiorhynchus asiaticus	NT
Animalia	Gallinago hardwickii	C
Animalia	Haliaeetus leucogaster	C
Animalia	Hirundapus caudacutus	C
Animalia	Lewinia pectoralis	NT
Animalia	Limosa limosa	C
Animalia	Lophoictinia isura	NT
Animalia	Melithreptus gularis	NT
Animalia	Merops ornatus	C
Animalia	Monarcha melanopsis	C
Animalia	Myiagra cyanoleuca	C
Animalia	Ninox strenua	V
Animalia	Numenius madagascariensis	NT
Animalia	Phaethon lepturus	C
Animalia	Phascolarctos cinereus	C
Animalia	Phascolarctos cinereus (southeast Queensland bioregion)	V
Animalia	Plegadis falcinellus	C
Animalia	Pteropus poliocephalus	C
Animalia	Rhipidura rufifrons	C
Animalia	Rostratula australis	V
Animalia	Symposiachrus trivirgatus	C
Animalia	Tachyglossus aculeatus	C
Animalia	Tringa stagnatilis	C

Published on DES Disclosure Log
RTI Act 2009



Map - Biodiversity Offsets

Reference no: BiodiversityOffsets-MIN101484410 Bio part 2

Legend

Area of Interest:

Searched area

Biodiversity Offsets Triggers:

- WildNet Conservation Significant Plant Records
- WildNet Conservation Significant Animal Records
- Watercourses Remnant and 25k Remnant
- GBR Wetland Protection Area HES Wetland
- ▨ GBR Wetland Protection Area Trigger Area
- Other BOP Trigger - Combined

Highlighted features found

ML: '4578'
ML: '50035'
ML: '50115'
ML: '50165'
ML: '50189'

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- Cadastre
- Freeways, Motorways and Highways
- Other roads and tracks
- +— Railway Lines
- Towns

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0 2,200 4,400 8,800 13,200 17,600

Horizontal Datum: Geocentric Datum of Australia 1994 (GDA94)

File F

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R

Biodiversity Offsets Layers - within found features (i.e. no buffer)**WildNet Conservation Significant Animal Records**

Kingdom	Scientific Name	NCA
Animalia	Phascogale cinerea (southeast Queensland bioregion)	V

Watercourses 25k Remnant

Feature Type
pool
watercourse

Watercourses Remnant

Stream Order
1
2
3
5

BOP Trigger Combined

E RE	E Grs RE	OC RE	OC Grs RE	Thresh RE	Crit Lim RE	Ess Hab	Ess Regrth Hab	High Val Regrth	WetInd or Sig WetInd	BOP Value Count
									Wetland	1
								Containing Endangered regional ecosystems		1
							essential	Containing Endangered regional ecosystems		2
							essential	Containing Of Concern regional ecosystems		2
						essential				1
						essential			Wetland	2
Remnant Endangered RE										1
Remnant Endangered RE						essential				2

WildNet Conservation Significant Plant Records ** No Data Found **

GBR Wetland Protection Area HES Wetland ** No Data Found **

GBR Wetland Protection Area Trigger Areas ** No Data Found **

WildNet records within 2km of the found features:2000 - 2000(m Buffer)**WildNet Conservation Significant Plant Records**

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Plantae	Notelaea lloydii	V
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Animalia	Adelotus brevis	V
Animalia	Apus pacificus	C
Animalia	Ardea ibis	C
Animalia	Ardea modesta	C
Animalia	Calidris acuminata	C
Animalia	Calyptorhynchus lathamii	V
Animalia	Coracina tenuirostris	C
Animalia	Crinia tinnula	V
Animalia	Danaus plexippus plexippus	
Animalia	Ephippiorhynchus asiaticus	NT
Animalia	Gallinago hardwickii	C
Animalia	Haliaeetus leucogaster	C
Animalia	Hirundapus caudacutus	C
Animalia	Lewinia pectoralis	NT

Animalia	Limosa limosa	C
Animalia	Lophoictinia isura	NT
Animalia	Melithreptus gularis	NT
Animalia	Merops ornatus	C
Animalia	Monarcha melanopsis	C
Animalia	Ninox strenua	V
Animalia	Numenius madagascariensis	NT
Animalia	Phaethon lepturus	C
Animalia	Phascolarctos cinereus	C
Animalia	Phascolarctos cinereus (southeast Queensland bioregion)	V
Animalia	Plegadis falcinellus	C
Animalia	Pteropus poliocephalus	C
Animalia	Rhipidura rufifrons	C
Animalia	Rostratula australis	V
Animalia	Symposiachrus trivirgatus	C
Animalia	Tachyglossus aculeatus	C
Animalia	Tringa stagnatilis	C

Published on DES Disclosure Log
RTI Act 2009

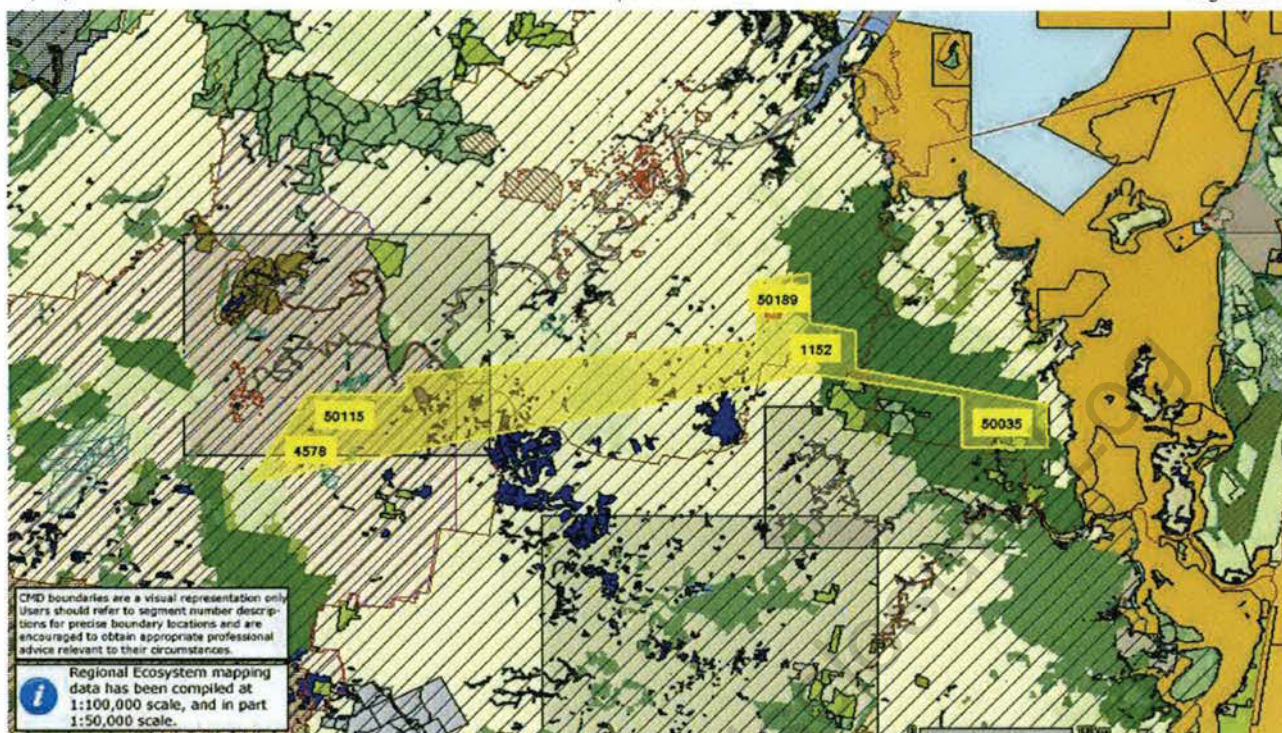
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Queensland Environmental Protection Agency

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Queensland SCL Zones

No.	Zone
1	COASTAL QUEENSLAND

Queensland Strategic Cropping Land Trigger Map

No.	SCL
1	Strategic Cropping Land
2	Strategic Cropping Land
3	Strategic Cropping Land

Mining Leases

No.	Tenure Number	Tenure Type	Mining District	Status	Principal Holder	All Holders	Lodgement Date	Date Granted	Date Non Current
1	4578	ML	BRIS	GRAN	THE AUSTRAL BRICK CO. PTY LTD	View All Tenure Holders	30-MAR-1951	17-APR-1975	30-APR-2006
2	Published on DES Disclosure RTI Act 2009								
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16	50189	ML	BRIS	GRAN	THE AUSTRAL BRICK CO. PTY LTD	View All Tenure Holders	13-MAR-2002	24-OCT-2002	31-OCT-2027
17	73(2)Irrelevant								

[illegible]

Next 25 Records

Local Government Areas

No.	LGA Name
1	IPSWICH CITY
2	LOGAN CITY
3	BRISBANE CITY
4	REDLAND CITY

NRM Mining Districts

No.	NRM Mining District
1	BRISBANE

DERM Regions

No.	Region
1	SOUTH EAST

Conservation Parks

No.	Name	Type	Lotplan
1	Daisy Hill Conservation Park	CP	28RP173044
2	Bayview Conservation Park	CP	536NPW717

Koala Plan 2006 2016 for ECSU

No.	Koala Habitat Area	Comments
1	Urban Koala Area	Statutory Koala Habitat Area
2	Koala Conservation Area	Statutory Koala Habitat Area
3	Koala Sustainability Area	Statutory Koala Habitat Area

Queensland Heritage Register Boundaries

No.	Place Name	Listing Number	Status
1	Wolston Park Hospital Complex	600340	State heritage place
2	St Francis Xavier Church	600553	State heritage place
3	United Welsh Church, Blackstone	600548	State heritage place

Endangered Remnant Regional Ecosystems Biodiversity Status

--	--	--	--	--

No.	Regional Ecosystem	Biodiversity Status	RE Percents	Version Number
1	12.3.3	E	100	7.0
2	12.3.3d	E	100	7.0
3	12.5.2	E	100	7.0
4	12.5.3a	E	100	7.0
5	12.5.3a	E	100	7.0
6	12.5.3a	E	100	7.0
7	12.9-10.12	E	100	7.0
8	12.5.3a	E	100	7.0
9	12.5.3a	E	100	7.0
10	12.5.3a	E	100	7.0
11	12.5.3a	E	100	7.0
12	12.5.3a/12.5.1	E/NC	90/10	7.0
13	12.5.3a/12.5.1	E/NC	90/10	7.0
14	12.5.3a/12.5.2	E/E	60/40	7.0
15	12.5.3a	E	100	7.0
16	12.5.3a/12.5.2	E/E	60/40	7.0
17	12.5.3a/12.5.2	E/E	60/40	7.0
18	12.5.2	E	100	7.0
19	12.5.3a/12.5.2	E/E	60/40	7.0
20	12.5.3a/12.5.2	E/E	60/40	7.0
21	12.5.3a/12.5.2	E/E	60/40	7.0
22	12.5.3a/12.5.2	E/E	60/40	7.0
23	12.5.3a	E	100	7.0
24	12.11.5a/12.11.23/12.11.5k	NC/E	40/30/30	7.0
25	12.3.3/12.9-10.7/12.9-10.3	E/OC/OC	80/15/5	7.0

Next 25 Records

Coordinated Conservation Areas

No.	NRID	Gazettal Status	Refuge Name	Gazettal Date	Gazetted Area	Calculated Area HA	Dominant Bioregion	Dominant Subregion	Dominant NRM Area	Dominant QPWS Region
1	999999	4	Koala Bushland Coordinated Conservation Area	24/5/1996	1170	1146.79205431	Southeast Queensland	Burringbar - Conondale Ranges	SEQ Catchments	South East

SEQ RCMP Coastal Management District polygon

No.	
1	Feature found but no further information available

Erosion Prone Area Plans

No.	Local Authority	Erosion Prone Area
1	Ipswich City	View Erosion Prone Area Plan
2	Logan City	View Erosion Prone Area Plan

River Improvement Areas

No.	Feature Name
1	Ipswich Rivers

Queensland

No.	Feature
1	Queensland Mainland

No Features Found in the following layer(s):

- Queensland SCL Protection Areas
- Queensland SCL Validation Decisions
- Queensland SCL Current Validation Applications
- Wild River Floodplain Management Areas
- Wild River Preservation Area Boundaries
- Wild River Preservation Area Boundaries Proposed
- Wild River Nominated Waterways
- Wild River Nominated Waterways Proposed
- National Parks
- Forest Reserves
- Wet Tropics World Heritage Area
- Great Barrier Reef Marine Park Management Areas
- Marine Parks other than General Use Zones
- Marine Plants
- Fish Habitat Areas
- Special Forestry Areas
- Cultural Heritage Registered Areas
- Designated Landscape Areas other than Stanbroke
- General Use Zones of Marine Parks
- World Heritage Areas
- Ramsar Sites
- Cardwell Hinchinbrook Coastal Management District P
- Curtis Coast Coastal Management District
- Wet Tropical Coast Coastal Management District P
- Coastal Management Control Districts
- State Forests and Timber Reserves
- Palmer River Historic Mining Sites
- Stanbroke Designated Landscape Area
- Drainage Areas
- Dams and Weirs
- Declared Irrigation Areas
- Declared Catchment Areas
- Resources Reserves
- Nature Refuges
- Major Towns
- Other States

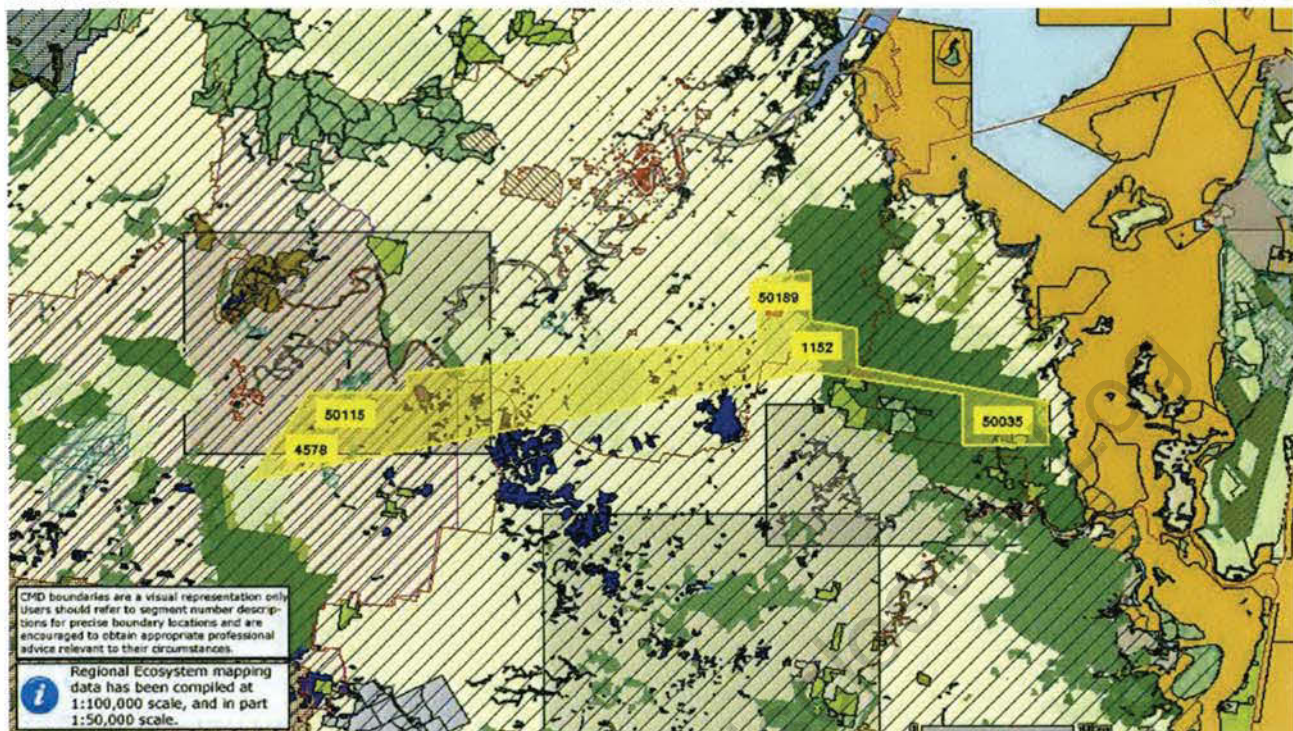
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18/12/2012

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Queensland Environmental Protection Agency

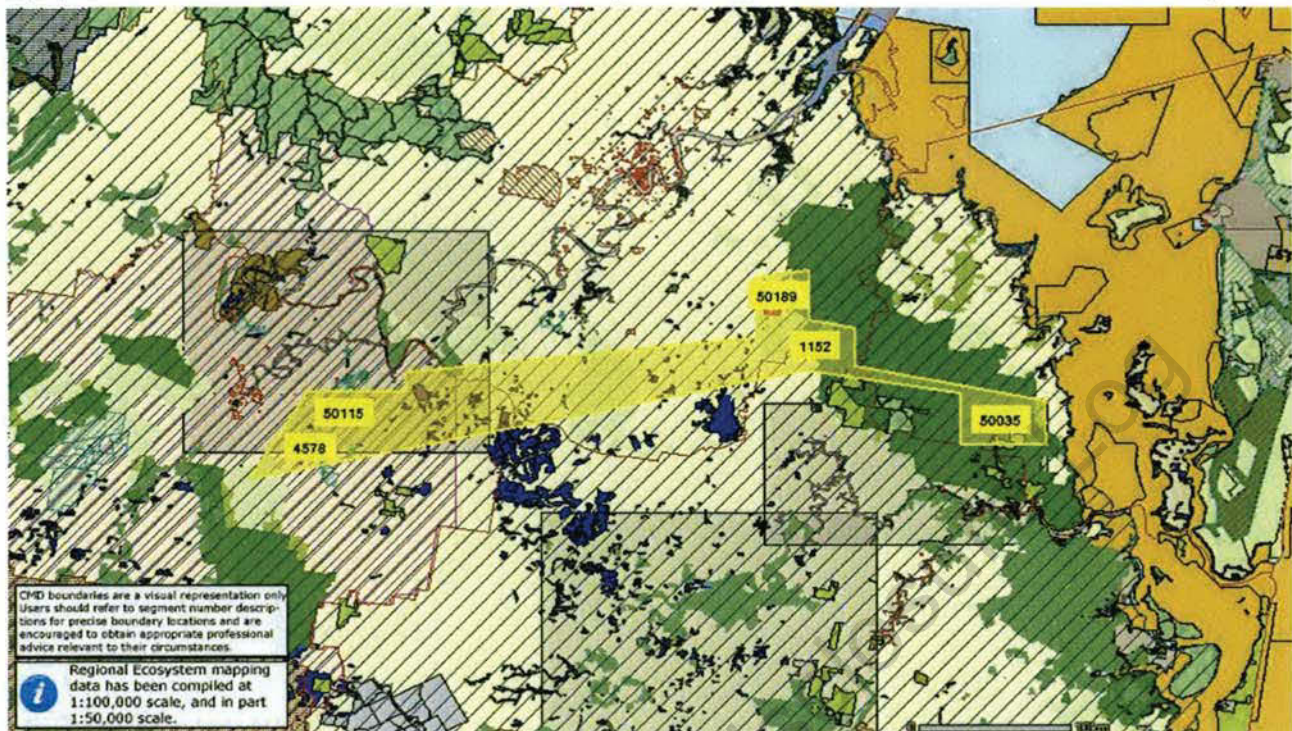
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Queensland Government
Dept of Environment & Heritage Protection

ABN: 46 640 294 485

RECEIPT

Received from: TJ Smith Pty Ltd
ABN/Address:

No.: 4183286

Description	Qty	Unit	Val	Extended	Discount	Ext Value	GST	Total Price
AMENDMENT APP-EA-MINING ACTIVITY	1		276.00	276.00	0.00	276.00		276.00

Date: 17/12/12	Time: 12:22	CHEQUE	276.00	Tot Value:	276.00
Brch: dnrbris	SPer: dll			GST:	0.00
CYC: 176560	Reg: 92			Tot Price:	276.00
				Tendered:	
				Change:	0.00

Cheques or other negotiable instruments accepted subject to clearance.

Receipt No 4183286
Date 17/12/2012
Amount \$ 276-00
Type CHQ EFT CSH CRDT
Cheque No 000193
Cheque Drawer IJ Smith
pty Ltd
Initials* 73(2)Irrelevant



14 December 2012

Ref: 779_500_005

Permit and Licence Management
Implementation and Support Unit
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001

DEHP
SOUTHERN REGION

19 DEC 2012

RECEIVED
LVL 8 400G

RECEIVED

17 DEC 2012

Pal M

Dear Sir/Madam,

RE: APPLICATION FOR AMENDMENT OF ENVIRONMENTAL AUTHORITY MIN101484410 HELD BY THE AUSTRAL BRICK COMPANY PTY LTD.

Please find enclosed an application for amendment of environmental authority (mining activities) for a level 1 mining project, to amend EA MIN101484410 held by The Austral Brick Company Pty Ltd (Austral). Please also find enclosed a cheque for payment of the prescribed fee, being \$276.

This additional application has been requested by Environmental Officer Rebecca Walton in relation to the pending partial surrender of EA MIN101484410, and total surrender of Mining Lease (ML) 1167 provided on 10 October 2012.

Should you have any queries in relation to the above application, we would be pleased to assist.

Yours faithfully
Groundwork Plus

73(2) Irrelevant

Yoland Dowling
Resource Consultant

Enc.

Attachment 1 – Prescribed Fee

Attachment 2 – EHP form EM2419: Application for amendment of environmental authority (mining activities) for a level 1 mining project

R

R S A Cover SheetType of Approval: S621 ADMINISTRATIVE AMENDMENT

- ☐ Environmental Protection (Waste Management) Regulation 2000
☒ Environmental Protection Act ☐ Integrated Planning Act ☐ Environmental Protection Regulations
☐ Noise EPP ☐ Air EPP ☐ Water EPP

Name: THE AUSTRAL BRICK COMPANY PTY LTDSITE address: 103 RIVERVIEW ROAD, RIVERVIEW05 GARDNER ROAD, ROCHEDALEGERMAN CHURCH ROAD, REDLAND BAYContact Officer: D. BYRDSProject Reference Number: 241391Permit No.: SEE OVER PAGE *FILE NUMBER: STH3748☒ Approved☐ Deferred☐ Not Approved

Decision:

Manager's Signature: 73(2)IrrelevantDate Approved: 7/7/08

Date Posted:

Registered Post No. Date Faxed:

OFFICE USE ONLY**LICENCE ISSUE/REISSUE**

- ☐ Register updated
☐ 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 FILES**RSA NOT REQUIRING LICENCE ISSUE/REISSUE**

- ☐ Letter sent to applicant
☐ Register updated (date of decision, letter to applicant, and final tick)

IF ALL TICKED.....

RETURN FINAL COPIES
TO DISTRICT FILES

* 1PDE01104308
1PDE00896808
FNR00800608

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RTI Act 2009



Enquiries
Telephone
Your reference
Our reference

Darryl Byers
(07) 3227 8496

Environmental Protection Agency

Incorporating the
Queensland Parks and Wildlife Service

The Austral Brick Company Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

Dear Sir/Madam,

Re: Integrated authority, number SR2484 to conduct Environmentally Relevant Activity 17, 20(c), 22(c), 61 and 75(a)(vi) issued under the *Environmental Protection Act 1994*, at various locations across Queensland.

The Environmental Protection Agency (EPA) has separated integrated authority SR2484 into three separate development approvals. These development approvals cover all non-mining activities in integrated authority SR2484, a separate environmental authority (mining) will be issued at a later date to cover all mining activities. The justification for this action is a result of amendments to the *Environmental Protection Act 1994* (the Act) whereby the provisions for integrated authorities were repealed. For existing integrated authorities, provisions in the Act allow for the status of each constituent part of the integrated authority to be a single development approval (for a material change of use under the *Integrated Planning Act 1997*). Provisions also allow the EPA to issue replacement documents for each of these development approvals. Please note that only minor word changes occurred to reflect amendments to legislative terminology.

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

Location	ERA	Development permit number
103 Riverview Road , RIVERVIEW	17, 22(c) & 61	IPDE00896808
105 Gardner Road, ROCHEDALE	17, 61 & 75(a)(vi)	IPDE01104308
German Church Road, REDLAND BAY	20(c) & 22(c)	SR0376DA

In addition, the EPA has issued a single registration certificate to cover all sites and activities. The registration certificate number is ENRE00800608.

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

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

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

Yours sincerely

73(2)Irrelevant

for
Scott Robinson
Team Leader - Brisbane (Inner) South
Environmental Services
Environmental Protection Agency

Date: *7 July 2008*

Certificate of Registration

No: ENRE00800608

This registration certificate is issued by the Environmental Protection Agency and takes effect from: 27-JUN-2008.

The anniversary day for the purposes of the Annual Return remains: 24 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:-

The Austral Brick Company Pty Ltd
105 Gardner Road
ROCHEDALE QLD 4123

Place:-

Lot 1 Plan RP166658

Located at:-

103 Riverview Road, RIVERVIEW QLD 4303

Registered Activities:-

ERA 17 Fuel burning - any process involving the use of fuel burning equipment (including for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel an hour.

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

ERA 61 Clay or ceramic products manufacturing - manufacturing clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t a year.

Place:-

Lot 2 Plan 844169

Located at:-

105 Gardner Rd, ROCHEDALE QLD 4123

R

Registered Activities: -

ERA 17 Fuel burning - any process involving the use of fuel burning equipment (including for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel an hour.

ERA 61 Clay or ceramic products manufacturing - manufacturing clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t a year.

ERA 75(a)(vi) Waste disposal - operating a facility for - disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of more than 50 000 t but not more than 75 000 t a year.

Place:-

Part of Lot 1 Plan RP854704

Located at:-

German Church Road, REDLAND BAY QLD 4165

Registered Activities: -

ERA 20(c) 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 100 000 t or more a year.

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

73(2) Irrelevant

Delegate

Environmental Protection Agency

Date:

3 July 2008



Development Permit

EPA Permit ¹ number:	IPDE01104308
Application (Converted Development Approval) No.	SR2484
Relevant Laws and Policies:	Environmental Protection Act 1994 and any subordinate legislation

Development Description

Property/Location

Lot 2 RP844169 County of Stanley Parish of Tingalpa.

located at: 105 Gardner Road
ROCHEDALE QLD 4123

Carrying out of Environmentally Relevant Activity (ERA)

17- Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.

61- Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.

75(a)(vi) - Waste disposal - operating a facility for disposing of only general waste or limited regulated waste, if the facility is designed to receive waste at the rate of 50 000 t or more, but less than 75 000 t per year.

Additional Information for Applicants

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

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

Environmentally Relevant Activities

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

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

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

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

73(2) Irrelevant

Delegate of Administering Authority
Environmental Protection Act 1994

Date:

3 July 2008

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



Conditions of the Development Approval

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

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

This development approval consists of the following schedules-

Schedule A – General Conditions

Schedule B - Air

Schedule C – Water

Schedule D – Noise

Schedule E – Waste

Schedule F - Land

Schedule G – Community

Schedule H – Definitions

Appendix 1

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

SCHEDULE A - GENERAL CONDITIONS

Prevent and /or Minimise Likelihood of Environmental Harm

- (A1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of Measures, Plant and Equipment

- (A2) The registered operator must:

- install all measures, plant and equipment necessary to ensure compliance with the conditions of this development approval; and
- maintain such measures, plant and equipment in a proper condition; and
- operate such measures, plant and equipment in a proper manner.

Records

- (A3) Record, compile and keep all monitoring results required by Parts 2, 3 and 4 of this integrated authority and present this information to the administering authority when requested, in a specified format.

Storage and Handling of Flammable and Combustible Liquids

- (A4) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

Definitions

- (A5) Words and phrases used throughout this development approval are defined in Schedule H – Definitions. Where a definition for a term used in this development approval is sought and the term is not defined within this development approval, the definitions in the *Environmental Protection Act 1994*, its Regulations and Environmental Protection Policies must be used.

Integrated Environmental Management System (IEMS)

- (A6) Prior to the commencement of any environmentally relevant activity ('the activities') under this development approval, the registered operator of this development approval must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the registered operator of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (A7) The IFMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:

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- The environmental policy of the registered operator, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
- Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
- Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
- Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
- Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
- Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
- Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
- Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
- Conducting assessment of the environmental impact of any release of contaminants into the environment;
- Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
- Waste prevention, treatment and disposal; and
- A program for continuous improvement.

- (A8) The registered operator of this development approval must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this development approval or any development condition applicable to carrying out the activities.

End of Conditions for Schedule A

SCHEDULE B - AIR

Nuisance

- (B1) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

The Release of Contaminants to the Atmosphere

- (B2) The release of contaminants to the atmosphere from a point source must only occur from those release points identified in Schedule B - Table 1 and must be directed vertically upwards without any impedance or hindrance.
- (B3) Contaminants must be released to the atmosphere from a release point at a height and a flow rate not less than the corresponding height and velocity stated for that release point in Schedule B - Table 1 and not more than the efflux temperature stated for that release point in Schedule B - Table 1.
- (B4) Contaminants must not be released to the atmosphere from a release point at a mass emission Rate/concentration, as measured at a monitoring point, in excess of that stated in Schedule B - Table 1 and monitored not less frequently than Schedule B Table 1.
- (B5) Monitoring provisions and monitoring points must be provided for all the release points listed in Schedule B, Table 1. The monitoring provisions and monitoring points must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions".
- (B6) The registered operator of this development approval must conduct a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameters specified in Schedule B, Table 1 and which complies with the following:
- (a) All determinations of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
 - (b) All determinations of the quality and quantity of contaminants released to the atmosphere must be made in accordance with methods prescribed in the latest edition of the Environmental Protection Agency's Air Quality Sampling Manual.
 - (c) The following tests must be performed for each required determination specified in Schedule B, Table 1:
 - (i) gas velocity and volume flow rate;
 - (ii) temperature; and
 - (iii) water vapour concentration.
 - (d) Where practicable, samples taken must be representative of the contaminants discharged when emissions are expected to be maximum,
 - (e) During the sampling period the following additional information must be gathered:
 - (i) production rate;
 - (ii) equipment operating;
 - (iii) product made;
 - (iv) date of sampling;
 - (v) start and end time of sampling;
 - (vi) fuel rate;
 - (vii) fluoride concentration in the mixture of clay used before and after fired; and
 - (viii) proportion of each raw clay used.

- (f) Oxides of nitrogen must be calculated as NO₂ at a seven percent (7%) oxygen level and total particulates must be determined where gas volume is calculated to twelve percent (12%) CO₂.

Schedule B – Table 1 (Release of contaminants)

Release point number	Minimum release height (metres)	Minimum velocity (m/sec)	Minimum efflux temp (°C)	Contaminant	Release Limit	Sampling frequency
Rochedale Plant A1 - Swindell Dressler Tunnel Kiln	30	8.7	126	Total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.35	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually
Rochedale Plant A2 – Ceric Tunnel Kiln	15	9.5	124	Total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually
				Total fluoride (mass emission rate) g/sec	1.88	Not less frequently than annually
				Concentration total fluoride	n/a	Not less frequently than annually

- (B7) The only fuel to be used in the Swindell Dressler Tunnel Kiln (A1) and the Ceric Tunnel Kiln (A2) is natural gas.
- (B8) There must be no visible emission from release point numbers A1 or A2.
- (B9) The registered operator of this development approval must conduct a vegetation survey to detect chemical fumigation when there is non-compliance with any limit in Schedule B – Table 1 and/or with the fluoride mass emission rate in Schedule B – Table 1, or within three (3) years of the last vegetation survey submitted to the administering authority.
- (B10) The vegetation survey required by condition B9 must be conducted at Gardner Road and Prebble Street.
- (B11) A person or body possessing appropriate experience and qualifications must perform the vegetation survey required by condition B9 of this development approval.
- (B12) The registered operator of this development approval must ensure the data collected by conditions B11 and B9 of this development approval is analysed and interpreted to assess the nature and extent of any environmental impact of the environmentally relevant activity. The data, analysis and assessment must be submitted to the administering authority within three (3) months of the completion of any vegetation survey required by condition (B9).

Dust nuisance

- (B13) Subject to Conditions (B14) and (B15) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.
- (B14) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within fourteen (14) days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere over a twenty-four (24) hour averaging time.
- (B15) If the development approval registered operator can provide evidence through monitoring that the following limits are not being exceeded then the registered operator is not in breach of (B13):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 twenty-four (24) hour averaging time, at a sensitive or commercial place downwind of the operational land, when monitored in accordance with:
 - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;
 - or
 - Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

NOTE: You must propose which monitoring method is appropriate in accordance with condition (B15) (a) or (b) or both.

Dust Control

- (B16) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (B17) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dusts suppressants and wind breaks.

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- (B18) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

End of Conditions for Schedule B

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SCHEDULE C - WATER

Release to waters

- (C1) Process water, storm water and/or receiving waters must be monitored at the locations and frequencies defined in Schedule C - Table 1 and comply with the contaminant limits defined in Schedule C - Table 2.

Schedule C – Table 1 (Water monitoring locations and frequency)

Monitoring Point	Monitoring Type	Co-ordinates (AMG)		Frequency
		Easting	Northing	
R1	Background for point R3	511580	6951560	When point R3 is sampled
R3	Discharge	511040	6951970	"Event Release"

Schedule C – Table 2 (Discharge containment limits)

Monitoring Point	Parameter	Minimum	Maximum
R3	pH	6.5	9
	Total Suspended Solids (mg/L)	-	50mg/L or not more than 110% of the value at R1*

* For the same monitoring event

Stormwater Management Plan

- (C2) The registered operator of this development approval must have developed and implemented an effective and appropriate Stormwater Management Plan which details how the registered operator of this environmental authority will manage the actual and potential environmental impacts resulting from the contamination of stormwater at the approved place.
- (C3) The Stormwater Management Plan must address at least the following matters:
- prevention of incident stormwater and stormwater runoff from contacting wastes or contaminants; and
 - diversion of upstream runoff away from areas containing wastes or contaminants; and
 - minimisation of the size of contaminated areas; and
 - cleaning of contaminated areas without water; and
 - installation and maintenance of pollution control equipment such as oil separators, silt and rubbish traps, and stormwater diversion systems; and
 - installation and maintenance of sediment control measures for stormwater such as by means of coagulation, sedimentation, dissolved air flotation, settling basins or other suitable means; and
 - paving and roofing of contaminated areas; and
 - revegetation of exposed or disturbed areas; and
 - diversion of upstream runoff from exposed or disturbed areas and stockpiles; and
 - sampling and monitoring of stormwater discharges from the approved place to waters for parameters including the following:
 - suspended solids, and
 - pH.

End of Conditions for Schedule C

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SCHEDULE D - NOISE

- (D1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (D2) All noise from activities must not exceed the levels specified in Schedule D - Table 1 at any noise affected premises.

Schedule D Table 1 : Noise Limits

Noise level dB(A) measured as	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm - 10pm	10pm - 7am	9am - 6pm	6pm - 10pm	10pm - 9am
	Noise measured at a 'Noise sensitive place'					
L _{A10} , adj, 10 mins	b/g+5	b/g+5	b/g+3	b/g+5	b/g+5	b/g+0
L _{A1} , adj, 10 mins	b/g+10	b/g+10	b/g+5	b/g+10	b/g+10	b/g+5
	Noise measured at a 'Commercial place'					
L _{A10} , adj, 10 mins	b/g+10	b/g+10	b/g+8	b/g+10	b/g+10	b/g+5
L _{A1} , adj, 10 mins	b/g+15	b/g+15	b/g+10	b/g+15	b/g+15	b/g+10

- (D3) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within fourteen (14) days to the administering authority. Monitoring must include:
- LA 10, adj, 10 mins
 - LA 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; and
 - location, date and time of recording.
- (D4) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

End of Conditions for Schedule D

SCHEDULE E – WASTE

Waste Management Plan (WMP)

- (E1) The registered operator of this development approval must develop and implement an effective and appropriate Waste Management Plan which details how the registered operator of this development approval will manage the actual and potential environmental impacts resulting from all wastes produced at the approved place.
- (E2) The Waste Management Plan must address at least the following matters:
 - (a) the quantity and nature of each waste produced;
 - (b) the current method of disposal;
 - (c) proposed methods of pre-treatment or disposal;
 - (d) expected reduction in quantity of waste produced through waste minimisation and cleaner production;
 - (e) investigation and evaluation of alternative treatment options;
 - (f) areas to be set aside for the segregation and storage of recyclable solid wastes;
 - (g) where a no-cost recycling service is available, reasonable and practicable steps must be taken to ensure recyclable waste is not deposited in the general waste stream. Such steps may include, but are not limited to provision of receptacles; suitable signage; and promotion of awareness among staff of the recycling service.
 - (h) provisions for carrying out and submitting to the administering authority a waste audit within twelve (12) months from the date of issue of this development approval and thereafter every five (5) years.
- (E3) A copy of the Waste Management Plan and subsequent amendments must be kept at the approved place and must be made available to any authorised person or the administering authority on request.
- (E4) The registered operator of this development approval must not implement a Waste Management Plan or amend a Waste Management Plan where such implementation or amendment would result in a contravention of any condition of this development approval.

On Site Waste Disposal

- (E5) The defined on site waste disposal area is described as "Waste Disposal Area" delineated on Figure 1 of Appendix 1.
- (E6) Only the following general waste, which is generated by the brickworks operation, is to be disposed of at the Waste Disposal Area:
 - (i) broken and reject bricks, pavers and other ceramic products;
 - (ii) timber;
 - (iii) plastic, paper and cardboard; and
 - (iv) concrete and concrete products with or without reinforcing steel.
- (E7) Where general waste associated with the manufacture of bricks or pavers on the approved place is disposed of on the premises (other than as permitted by another schedule of this environmental authority), the registered operator of this development approval must monitor and record:
 - (a) the date, quantity and type of waste disposed; and
 - (b) the location of disposal of the waste; and
 - (c) the method of disposal of the waste.
- (E8) Appropriate signs must be prominently displayed at the waste disposal area or appropriate written instructions must be given to all persons responsible for depositing waste:

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The signs or written instructions must at least indicate:

- (i) the types of waste that may be disposed;
- (ii) the types of waste which must not be disposed;
- (iii) the location where the wastes must be deposited within the general waste disposal area, and
- (iv) that open burning of waste is prohibited.

(E9) Wastes must not be deposited beyond the boundaries of the waste disposal area.

(E10) Regulated waste must not be stored or disposed of or deposited in the waste disposal area.

Security

(E11) The registered operator of this development approval must prevent any unauthorised disposal of waste on or in the approved place.

(E12) The registered operator of this development approval must ensure that all access gates are locked when the approved place is unattended.

General

(E13) The registered operator of this development approval must not:

- (i) burn waste at or on the approved place; nor
- (ii) allow waste to burn or be burnt at or on the approved place; nor
- (iii) remove waste from the approved place and burn such waste elsewhere.

Off Site Movement

(E14) Where regulated waste is removed from the approved place (other than by a release as permitted under another schedule of this development approval), the registered operator of this development approval must monitor and record the following:

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

(E15) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Records

(E16) Records must be maintained for a period of five (5) years for all wastes mentioned in this schedule.

Notification of Improper Disposal of Regulated Waste

(E17) If the registered operator of this development approval becomes aware that a person has removed regulated waste from the approved place and disposed of the regulated waste in a manner which is not authorised by this development approval or which is improper or unlawful, then the registered operator of this development approval must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

End of Conditions for Schedule E

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SCHEDULE F - LAND

Release of Contaminants to Land

(F1) There must be no release nor likelihood of release of any contaminants to land that may cause environmental harm or contribute to contamination of such land.

End of Conditions for Schedule F

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SCHEDULE G - COMMUNITY**Complaint response**

- (G1) All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed and actions taken. This information must be made available for inspection by the administering authority on request.

End of Conditions for Schedule G

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SCHEDULE H – DEFINITIONS

“acceptance criteria” means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

“airblast overpressure” means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

“ambient (or total) noise” at a place, means the level of noise at the place from all sources (near and far), measured as the Leq for an appropriate time interval.

“competent person” means a person with the demonstrated skill and knowledge required to carry out the task to a standard necessary for the reliance upon collected data or protection of the environment.

“approval” means ‘notice of development application decision’ or ‘notice of concurrence agency response’ under the *Integrated Planning Act 1997*.

“blasting” means the use of explosive materials to fracture-

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse.

“commercial place” means a place used as an office or for business or commercial purposes, other than a place within the boundaries of the operational land.

“dam” means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.

“development approval registered operator” means the registered operator of this development approval.

“event release” means when water is released and which must occur at least four times per year.

“flowable substance” means matter or mixture of materials which can be forced to or otherwise flow under any conditions possible in a situation. It includes water, other liquids or a mixture that includes water or any other liquid or suspended solids.

“hazardous waste” means any substance, whether liquid, solid or gaseous, derived by or resulting from, the processing of minerals that tends to destroy life or impair or endanger health.

“IEMS / Project EMOS” document titled “Environmental Management Overview Strategy (consolidating mining project numbers PJ50036, 50134, 50128 and 50150) incorporating Integrated Environmental

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"LA 10, adj, 10 mins" means the A-weighted sound pressure level, (*adjusted for tonal character and impulsiveness of the sound*) exceeded for ten percent (10%) of any 10-minute measurement period, using Fast response.

"LA 1, adj, 10 mins" means the A-weighted sound pressure level, (*adjusted for tonal character and impulsiveness of the sound*) exceeded for one percent (1%) of any 10-minute measurement period, using Fast response

"LA, max adj, T" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"land capability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land suitability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land use" term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

"mandatory reporting level" means the volume below the spillway crest, equivalent to the lower of the AEP, seventy-two (72) hour storm or the AEP wave allowance (AEP is the annual exceedence probability).

"mineral" means a substance which normally occurs naturally as part of the earth's crust or is dissolved or suspended in water within or upon the earth's crust and includes a substance which may be extracted from such a substance, and includes—

- (a) clay if mined for use for its ceramic properties, kaolin and bentonite;
 - (b) foundry sand;
 - (c) hydrocarbons and other substances or matter occurring in association with shale or coal and necessarily mined, extracted, produced or released by or in connection with mining for shale or coal or for the purpose of enhancing the safety of current or future mining operations for coal or the extraction or production of mineral oil therefrom;
 - (d) limestone if mined for use for its chemical properties;
 - (e) marble;
 - (f) mineral oil or gas extracted or produced from shale or coal by in situ processes;
 - (g) peat;
 - (h) salt including brine;
 - (i) shale from which mineral oil may be extracted or produced;
 - (j) silica, including silica sand, if mined for use for its chemical properties;
 - (k) rock mined in block or slab form for building or monumental purposes;
- but does not include—
- (l) living matter;
 - (m) petroleum within the meaning of the *Petroleum Act 1923*;
 - (n) soil, sand, gravel or rock (other than rock mined in block or slab form for building or monumental purposes) to be used or to be supplied for use as such, whether intact or in broken form;
 - (o) water.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"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

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- a park or gardens.
and includes the curtilage of such place.

"noxious" means harmful or injurious to health or physical well being, other than trivial harm.

"non-standard" means a mining operation that if in the opinion of the administering authority does not have a low risk of serious environmental harm and the activities can not comply with the criteria for standard mining activities prescribed in schedule 1A of the *Environmental Protection Regulation 1998*. The standard mining activity trigger criteria are as follows;

- the mining activities do not or will not cause more than 10 ha of land to be significantly disturbed at any one time;
- the mining activities do not or will not cause more than 5 ha of land to be significantly disturbed at any one time;

- (a) in a riverine area;
- (b) because of mine workings;

- the mining activities are not or will not be carried out in, or within 2 km of a category A *Environmentally Sensitive Area*;
- the mining activities are not or will not be carried out in, or within 1 km of a category B environmentally sensitive area;
- the mining activities do not include a level 1 environmentally relevant activity
- no more than twenty (20) persons are carrying out or will, at any one time, carry out the mining activities;

"offensive" means causing reasonable offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive, other than trivial harm.

"open area" means those parts of the mining lease that are cleared in preparation for, or to conduct mining but have not had *rehabilitation* commence. Open area excludes permanent roads, fixed plant and water quality control devices.

"peak particle velocity (ppv)" means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms-1).

"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.

"progressive rehabilitation" means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

"reference site" (or analogue site) may reflect the original location, adjacent area or another area where rehabilitation success has been completed for a similar biodiversity. Details of the reference site may be as photographs, computer generated images and vegetation models etc.

"rehabilitation" the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this development approval and, where relevant, includes remediation of contaminated land.

"representative" means a sample set which covers the variance in monitoring or other data either due to natural changes or operational phases of the mining activities.

"residual void" means an open pit resulting from the removal of ore and/or waste rock which will remain following the cessation of all mining activities and completion of rehabilitation processes.

"self sustaining" means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

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“significant disturbance” – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant development approval; or
 - ii. if the development approval does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

“sensitive place” means;

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- an educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes which is not part of the mining activity and does not include employees accommodation or public roads.

“spillway” means passage or outlet from the dam through which surplus water flows.

“stable” means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

“trivial harm” means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5,000.

"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea) or any part thereof.

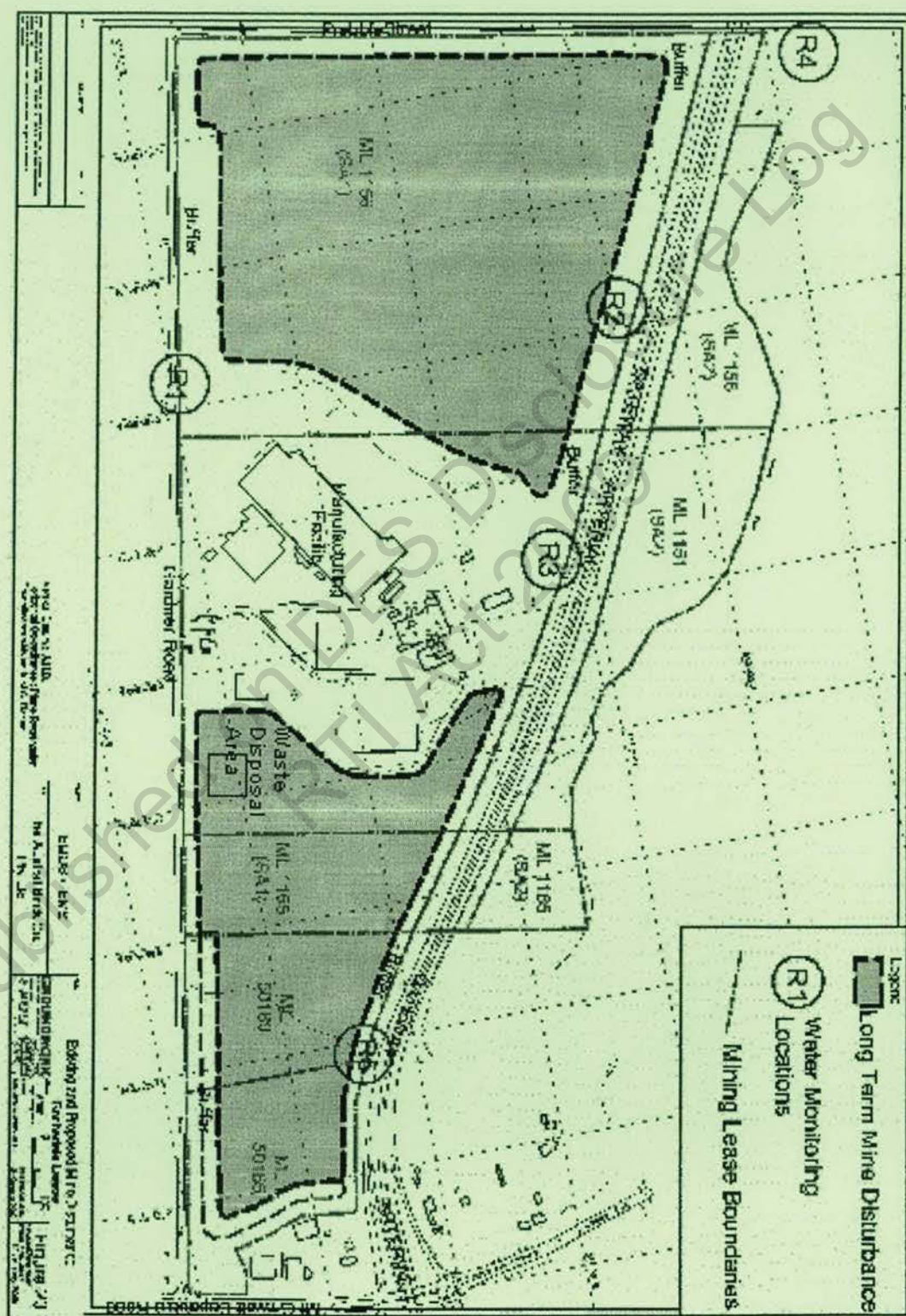
End of Conditions for Schedule H

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APPENDIX 1 – FIGURE 1
Rochedale Plant and Mining Leases – Waste Disposal Area, Water Monitoring
Locations and Buffer Zones



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END OF CONDITIONS

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Development Permit

EPA Permit ¹ number:	IPDE00896808
Application (Converted Development Approval) No.	SR2484
Relevant Laws and Policies:	<i>Environmental Protection Act 1994</i> and any subordinate legislation

Development Description

Property/Location

Lot 1 Plan RP166658 Parish of Stanley County of Goodna.

located at: 103 Riverview Road
RIVERVIEW QLD 4303

Carrying out of Environmentally Relevant Activity (ERA)

17- Fuel burning - any process involving the use of fuel burning equipment (including, for example, a standby power generator) that is capable of burning (whether alone or in total) 500 kg or more of fuel per hour.

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

61- Clay or ceramic products manufacturing - manufacturing a clay or ceramic product, including bricks, tiles, pipes, pottery goods and refractories, in works having a design production capacity of more than 200 t per year.

Additional Information for Applicants

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

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

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.

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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*.

73(2)Irrelevant

Delegate of Administering Authority
Environmental Protection Act 1994

Date: 3 July 2008

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Conditions of the Development Approval

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

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

This development approval consists of the following schedules-

Schedule A – General Conditions

Schedule B - Air

Schedule D – Noise

Schedule E – Waste

Schedule F - Land

Schedule G – Community

Schedule H – Definitions

SCHEDULE A - GENERAL CONDITIONS

Prevent and /or Minimise Likelihood of Environmental Harm

- (A1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this authority.

NOTE: This authority authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this authority explicitly authorises that harm. Where there is no condition or the authority is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

Maintenance of Measures, Plant and Equipment

- (A2) The registered operator must:

- install all measures, plant and equipment necessary to ensure compliance with the conditions of this development approval; and
- maintain such measures, plant and equipment in a proper condition; and
- operate such measures, plant and equipment in a proper manner.

Records

- (A3) Record, compile and keep all monitoring results required by Parts 2, 3 and 4 of this integrated authority and present this information to the administering authority when requested, in a specified format.

Storage and Handling of Flammable and Combustible Liquids

- (A4) Spillage of all flammable and combustible liquids must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.

Definitions

- (A5) Words and phrases used throughout this development approval are defined in Schedule H – Definitions. Where a definition for a term used in this development approval is sought and the term is not defined within this development approval, the definitions in the *Environmental Protection Act 1994*, its Regulations and Environmental Protection Policies must be used.

Integrated Environmental Management System (IEMS)

- (A6) Prior to the commencement of any environmentally relevant activity ('the activities') under this development approval, the registered operator of this development approval must:
- develop an Integrated Environmental Management System (IEMS) which provides for the effective management by the registered operator of the actual and potential environmental impacts resulting from the carrying out of the activities; and
 - implement and maintain the IEMS from the commencement of carrying out the activities.
- (A7) The IEMS must provide for at least the following functions:
- Training staff in the awareness of environmental issues related to carrying out the activities, which must include at least:

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- The environmental policy of the registered operator, so that all persons that carry out the activities are aware of all relevant commitments to environmental management; and
- Any relevant environmental objectives and targets, so that all staff are aware of the relevant performance objectives and can work towards these; and
- Control procedures to be implemented for routine operations for day to day activities to minimise likelihood of environmental harm, however occasioned or caused; and
- Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); and
- Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to manage environmental issues effectively; and
- Effective communication to ensure two-way communication on environmental matters between operational staff and higher management;
- Their obligations in respect of monitoring, notification and record keeping obligations under the IEMS and relevant environmental authorities and/or development approvals; and
- Monitoring of the release of contaminants into the environment including procedures, methods, record keeping and notification of results;
- Conducting assessment of the environmental impact of any release of contaminants into the environment;
- Periodic conduct of energy audits and review of environmental performance and procedures adopted, not less frequently than annually; and
- Waste prevention, treatment and disposal; and
- A program for continuous improvement.

- (A8) The registered operator of this development approval must not implement or amend an IEMS (including any environmental management plan) that contravenes any condition of this development approval or any development condition applicable to carrying out the activities.

End of Conditions for Schedule A

SCHEDULE B - AIR

Nuisance

- (B1) The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any odour sensitive place.

The Release of Contaminants to the Atmosphere

- (B2) The release of contaminants to the atmosphere from a point source must only occur from those release points identified in Schedule B - Table 1 and must be directed vertically upwards without any impedance or hindrance.
- (B3) Contaminants must be released to the atmosphere from a release point at a height and a flow rate not less than the corresponding height and velocity stated for that release point in Schedule B - Table 1 and not more than the efflux temperature stated for that release point in Schedule B - Table 1.
- (B4) Contaminants must not be released to the atmosphere from a release point at a mass emission Rate/concentration, as measured at a monitoring point, in excess of that stated in Schedule B - Table 1 and monitored not less frequently than Schedule B Table 1.
- (B5) Monitoring provisions and monitoring points must be provided for all the release points listed in Schedule B, Table 1. The monitoring provisions and monitoring points must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions".
- (B6) The registered operator of this development approval must conduct a monitoring program of contaminant releases to the atmosphere at the release points, frequency, and for the parameters specified in Schedule B, Table 1 and which complies with the following:
- (a) All determinations of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements.
 - (b) All determinations of the quality and quantity of contaminants released to the atmosphere must be made in accordance with methods prescribed in the latest edition of the Environmental Protection Agency's Air Quality Sampling Manual.
 - (c) The following tests must be performed for each required determination specified in Schedule B, Table 1:
 - (i) gas velocity and volume flow rate;
 - (ii) temperature; and
 - (iii) water vapour concentration.
 - (d) Where practicable, samples taken must be representative of the contaminants discharged when emissions are expected to be maximum,
 - (e) During the sampling period the following additional information must be gathered:
 - (i) production rate;
 - (ii) equipment operating;
 - (iii) product made;
 - (iv) date of sampling;
 - (v) start and end time of sampling;
 - (vi) fuel rate:
 - (f) Oxides of nitrogen must be calculated as NO₂ at a seven percent (7%) oxygen level and total particulates must be determined where gas volume is calculated to twelve percent (12%) CO₂.

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Schedule B – Table 1 (Release of contaminants)

Release point number	Minimum release height (metres)	Minimum velocity (m/sec)	Minimum efflux temp (°C)	Contaminant	Release Limit	Sampling frequency
Riverview Plant A1 - Swindell Dressler Tunnel Kiln	25	8	n/a	Concentration total particulates	0.25 g/m ³	Not less frequently than annually
				Mass emission total particulates	n/a	Not less frequently than annually
				Concentration nitrogen oxides	0.35 g/m ³	Not less frequently than annually
				Mass emission nitrogen oxides	n/a	Not less frequently than annually

- (B7) Total Fluoride emissions from the release point numbered A1 at the Riverview Plant must not result in Ground Level Concentrations (GLC's) in excess of 3.7 ug/m³ for an averaging time of twelve (12) hours and 0.5 ug/m³ for an averaging time of ninety (90) days, beyond the boundaries of the approved place.
- (B8) For the purposes of checking conformity with condition B7, the results of the Fluoride monitoring as required in Schedule B - Table 1 must be expressed as ugHF/m³ and modelled using an Appropriate Air Pollution Dispersion Modelling Program to determine the Ground Level Concentrations for the twelve (12) hour and ninety (90) day averaging time.
- (B9) The only fuel to be used in the Swindell Dressler Tunnel Kiln is natural gas.
- (B10) There must be no visible emission from release point number A1.

Dust nuisance

- (B11) Subject to Conditions (B12) and (B13) the release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.
- (B12) When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within fourteen (14) days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include:
- for a complaint alleging dust nuisance, dust deposition; and
 - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a twenty-four (24) hour averaging time.
- (B13) If the development approval registered operator can provide evidence through monitoring that the following limits are not being exceeded then the registered operator is not in breach of (B11):
- a) Dust deposition of 120 milligrams per square metre per day, averaged over one month, when monitored in accordance with AS 3580.10.1 Methods for sampling and analysis of ambient air - Determination of particulates - Deposited matter - Gravimetric method of 1991; and
 - b) 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 twenty-four (24) hour averaging time, at a sensitive or commercial place downwind of the operational land, when monitored in accordance with:

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- Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method, when monitored in accordance with AS 3580.9.6 Methods for sampling and analysis of ambient air - Determination of suspended particulate matter - PM (sub) 10 high volume sampler with size-selective inlet - Gravimetric method of 1990;
- or
- Any alternative method of sampling PM10, which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

NOTE: You must propose which monitoring method is appropriate in accordance with condition (B13) (a) or (b) or both.

Dust Control

- (B14) Stockpiles must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to anemometer switching systems which trigger operation of effective water spray systems during winds likely to generate such releases, use of dust suppressants, shielding and storage in bunkers.
- (B15) Trafficable areas must be maintained using all reasonable and practicable measures to minimise the release of wind blown dust or traffic generated dust to the atmosphere. Reasonable and practicable measures may include but are not limited to sealing with bitumen or other suitable material, keeping surfaces clean, use of water sprays, adoption and adherence to speed limits, use of dusts suppressants and wind breaks.
- (B16) Raw material preparation plants and external transfer conveyors must be operated and maintained using all reasonable and practicable measures to minimise the release of wind blown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but are not limited to transfer of materials in a moist state, enclosure of conveyors and buildings, use of water sprays at transfer points, shielding and wind breaks.

End of Conditions for Schedule B

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SCHEDULE D - NOISE

- (D1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (D2) All noise from activities must not exceed the levels specified in Schedule D - Table 1 at any noise affected premises.

Schedule D Table 1 : Noise Limits

Noise level dB(A) measured as	Monday to Saturday			Sundays and public holidays		
	7am - 6pm	6pm - 10pm	10pm - 7am	9am - 6pm	6pm - 10pm	10pm - 9am
	Noise measured at a 'Noise sensitive place'					
L _{A10} , adj, 10 mins	b/g+5	b/g+5	b/g+3	b/g+5	b/g+5	b/g+0
L _{A1} , adj, 10 mins	b/g+10	b/g+10	b/g+5	b/g+10	b/g+10	b/g+5
	Noise measured at a 'Commercial place'					
L _{A10} , adj, 10 mins	b/g+10	b/g+10	b/g+8	b/g+10	b/g+10	b/g+5
L _{A1} , adj, 10 mins	b/g+15	b/g+15	b/g+10	b/g+15	b/g+15	b/g+10

- (D3) When requested by the Administering Authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, which is neither frivolous or vexatious or based on mistaken belief on the opinion of the authorised officer, and the results notified within fourteen (14) days to the administering authority. Monitoring must include:
- LA 10, adj, 10 mins
 - LA 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; and
 - location, date and time of recording.
- (D4) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

End of Conditions for Schedule D

SCHEDULE E – WASTE**General**

- (E1) The registered operator of this development approval must not:
- (i) burn waste at or on the approved place; nor
 - (ii) allow waste to burn or be burnt at or on the approved place; nor
 - (iii) remove waste from the approved place and burn such waste elsewhere.

Off Site Movement

- (E2) Where regulated waste is removed from the approved place (other than by a release as permitted under another schedule of this development approval), the registered operator of this development approval must monitor and record the following:
- (a) the date, quantity and type of waste removed; 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).

- (E3) Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.

Records

- (E4) Records must be maintained for a period of five (5) years for all wastes mentioned in this schedule.

Notification of Improper Disposal of Regulated Waste

- (E5) If the registered operator of this development approval becomes aware that a person has removed regulated waste from the approved place and disposed of the regulated waste in a manner which is not authorised by this development approval or which is improper or unlawful, then the registered operator of this development approval must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

End of Conditions for Schedule E

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SCHEDULE F - LAND

Release of Contaminants to Land

- (F1) There must be no release nor likelihood of release of any contaminants to land that may cause environmental harm or contribute to contamination of such land.

End of Conditions for Schedule F

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SCHEDULE G - COMMUNITY

Complaint response

- (G1) All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed and actions taken. This information must be made available for inspection by the administering authority on request.

End of Conditions for Schedule G

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SCHEDULE H – DEFINITIONS

“acceptance criteria” means the measures by which the actions implemented to rehabilitate the land are deemed to be complete. The acceptance criteria indicate the success of the rehabilitation outcome or remediation of areas which have been significantly been disturbed by the mining activities. Acceptance criteria may include information regarding:

- vegetation establishment, survival and succession;
- vegetation productivity, sustained growth and structure development;
- fauna colonisation and habitat development;
- ecosystem processes such as soil development and nutrient cycling, and the recolonisation of specific fauna groups such as collembola, mites and termites which are involved in these processes;
- microbiological studies including recolonisation by mycorrhizal fungi, microbial biomass and respiration;
- effects of various establishment treatments such as deep ripping, topsoil handling, seeding and fertiliser application on vegetation growth and development;
- resilience of vegetation to disease, insect attack, drought and fire;
- vegetation water use and effects on ground water levels and catchment yields.

“airblast overpressure” means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels linear (dB).

“ambient (or total) noise” at a place, means the level of noise at the place from all sources (near and far), measured as the Leq for an appropriate time interval.

“competent person” means a person with the demonstrated skill and knowledge required to carry out the task to a standard necessary for the reliance upon collected data or protection of the environment.

“approval” means ‘notice of development application decision’ or ‘notice of concurrence agency response’ under the *Integrated Planning Act 1997*.

“blasting” means the use of explosive materials to fracture-

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse.

“commercial place” means a place used as an office or for business or commercial purposes, other than a place within the boundaries of the operational land.

“dam” means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However this does not include a fabricated or manufactured tank or container designed to a recognised standard.

“development approval registered operator” means the registered operator of this development approval.

“event release” means when water is released and which must occur at least four times per year.

“flowable substance” means matter or mixture of materials which can be forced to or otherwise flow under any conditions possible in a situation. It includes water, other liquids or a mixture that includes water or any other liquid or suspended solids.

“hazardous waste” means any substance, whether liquid, solid or gaseous, derived by or resulting from, the processing of minerals that tends to destroy life or impair or endanger health.

“IEMS / Project EMOS” document titled “Environmental Management Overview Strategy (consolidating mining project numbers PJ50036, 50134, 50128 and 50150) incorporating Integrated Environmental

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Management System (mining, manufacturing and extractive industries). Prepared for The Austral Brick Company Pty Ltd. Prepared by Groundwork Environmental Management Services Pty Ltd. October 2002".

"LA 10, adj, 10 mins" means the A-weighted sound pressure level, (*adjusted for tonal character and impulsiveness of the sound*) exceeded for ten percent (10%) of any 10-minute measurement period, using Fast response.

"LA 1, adj, 10 mins" means the A-weighted sound pressure level, (*adjusted for tonal character and impulsiveness of the sound*) exceeded for one percent (1%) of any 10-minute measurement period, using Fast response

"LA, max adj, T" means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"land capability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land suitability" as defined in the DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland.

"land use" term to describe the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

"mandatory reporting level" means the volume below the spillway crest, equivalent to the lower of the AEP, seventy-two (72) hour storm or the AEP wave allowance (AEP is the annual exceedence probability).

"mineral" means a substance which normally occurs naturally as part of the earth's crust or is dissolved or suspended in water within or upon the earth's crust and includes a substance which may be extracted from such a substance, and includes—

- (a) clay if mined for use for its ceramic properties, kaolin and bentonite;
 - (b) foundry sand;
 - (c) hydrocarbons and other substances or matter occurring in association with shale or coal and necessarily mined, extracted, produced or released by or in connection with mining for shale or coal or for the purpose of enhancing the safety of current or future mining operations for coal or the extraction or production of mineral oil therefrom;
 - (d) limestone if mined for use for its chemical properties;
 - (e) marble;
 - (f) mineral oil or gas extracted or produced from shale or coal by in situ processes;
 - (g) peat;
 - (h) salt including brine;
 - (i) shale from which mineral oil may be extracted or produced;
 - (j) silica, including silica sand, if mined for use for its chemical properties;
 - (k) rock mined in block or slab form for building or monumental purposes;
- but does not include—
- (l) living matter;
 - (m) petroleum within the meaning of the *Petroleum Act 1923*;
 - (n) soil, sand, gravel or rock (other than rock mined in block or slab form for building or monumental purposes) to be used or to be supplied for use as such, whether intact or in broken form;
 - (o) water.

"noise affected premises" means a "noise sensitive place" or a "commercial place"

"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

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- a park or gardens.
and includes the curtilage of such place.

"noxious" means harmful or injurious to health or physical well being, other than trivial harm.

"non-standard" means a mining operation that if in the opinion of the administering authority does not have a low risk of serious environmental harm and the activities can not comply with the criteria for standard mining activities prescribed in schedule 1A of the *Environmental Protection Regulation 1998*. The standard mining activity trigger criteria are as follows;

- the mining activities do not or will not cause more than 10 ha of land to be significantly disturbed at any one time;
- the mining activities do not or will not cause more than 5 ha of land to be significantly disturbed at any one time;

- (a) in a riverine area;
- (b) because of mine workings;

- the mining activities are not or will not be carried out in, or within 2 km of a category A *Environmentally Sensitive Area*;
- the mining activities are not or will not be carried out in, or within 1 km of a category B environmentally sensitive area;
- the mining activities do not include a level 1 environmentally relevant activity
- no more than twenty (20) persons are carrying out or will, at any one time, carry out the mining activities;

"offensive" means causing reasonable offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive, other than trivial harm.

"open area" means those parts of the mining lease that are cleared in preparation for, or to conduct mining, but have not had *rehabilitation* commence. Open area excludes permanent roads, fixed plant and water quality control devices.

"peak particle velocity (ppv)" means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mms-1).

"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.

"progressive rehabilitation" means rehabilitation (defined below) undertaken progressively or a staged approach to rehabilitation as mining operations are ongoing.

"reference site" (or analogue site) may reflect the original location, adjacent area or another area where rehabilitation success has been completed for a similar biodiversity. Details of the reference site may be as photographs, computer generated images and vegetation models etc.

"rehabilitation" the process of reshaping and revegetating land to restore it to a stable landform and in accordance with the acceptance criteria set out in this development approval and, where relevant, includes remediation of contaminated land.

"representative" means a sample set which covers the variance in monitoring or other data either due to natural changes or operational phases of the mining activities.

"residual void" means an open pit resulting from the removal of ore and/or waste rock which will remain following the cessation of all mining activities and completion of rehabilitation processes.

"self sustaining" means an area of land which has been rehabilitated and has maintained the required acceptance criteria without human intervention for a period nominated by the administering authority.

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“significant disturbance” – includes land

- (a) if it is contaminated land; or
- (b) it has been disturbed and human intervention is needed to rehabilitate it.
 - i. to a state required under the relevant development approval; or
 - ii. if the development approval does not require the land to be rehabilitated to a particular state – to its state immediately before the disturbance.

Some examples of disturbed land include:

- areas where soil has been compacted, removed, covered, exposed or stockpiled;
- areas where vegetation has been removed or destroyed to an extent where the land has been made susceptible to erosion; (vegetation & topsoil)
- areas where land use suitability or capability has been diminished;
- areas within a watercourse, waterway, wetland or lake where mining activities occur;
- areas submerged by tailings or hazardous contaminant storage and dam walls in all cases;
- areas under temporary infrastructure. Temporary infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be removed after mining activities have ceased; or
- areas where land has been contaminated and a suitability statement has not been issued.

However, the following areas are not included:

- areas off lease (e.g. roads or tracks which provide access to the mining lease);
- areas previously significantly disturbed which have achieved the rehabilitation outcomes;
- by agreement with the EPA, areas previously significantly disturbed which have not achieved the rehabilitation objective(s) due to circumstances beyond the control of the mine operator (such as climatic conditions);
- areas under permanent infrastructure. Permanent infrastructure includes any infrastructure (roads, tracks, bridges, culverts, dams, bores, buildings, fixed machinery, hardstand areas, airstrips, helipads etc) which is to be left by agreement with the landowner. The agreement to leave permanent infrastructure must be recorded in the Landowner Agreement and lodged with the EPA;
- disturbances that pre-existed the grant of the tenure unless those areas are disturbed during the term of the tenure.

“sensitive place” means;

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- an educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes which is not part of the mining activity and does not include employees accommodation or public roads.

“spillway” means passage or outlet from the dam through which surplus water flows.

“stable” means geotechnical stability of the rehabilitated landform where instability related to the excessive settlement and subsidence caused by consolidation / settlement of the wastes deposited, and sliding / slumping instability has ceased.

“trivial harm” means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5,000.

“waters” includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea) or any part thereof.

End of Conditions for Schedule H

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END OF CONDITIONS

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