Permit[1]

Environmental Protection Act 1994

Environmental authority

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Permit[1] number: EPPR01418313

Environmental authority takes effect on 05-Aug-2013

The first annual fee is payable within 20 business days of the effective date.

The anniversary date of this environmental authority is the same day each year as the effective date. An annual return and the payment of the annual fee which is currently $11,196.50 will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Capricorn Bulk Haulage Pty Ltd	T/A Clermont Haulage PO Box 476 CLERMONT QLD 4721

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
16-(3a) Screening >5000t but <100000t yr 50-(1b) Bulk mineral handling >100t or 50000t day	Old Blair Athol Road CLERMONT QLD 4724 - Lot 19 Plan CLM840245

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental authority as to the scale, intensity or manner of carrying out an ERA, then the conditions prevail to the extent of the inconsistency.

An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being,

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

contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.

K M Clarke	1 April 2014
Signature	Date

Katrina Clarke
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
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Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Conditions of environmental authority

Agency interest: General	
Condition number	**Condition**
G1	Activities conducted under this environmental authority must not be conducted contrary to any of the following limitations: 1. Extractive screening of not more than 100,000t of material in a year 2. The maximum tonnage of coal to be stockpiled on site at any one time is 85,000 tonnes.
G2	All reasonable and practicable **measures** must be taken to minimise the likelihood of environmental harm being caused.
G3	Any breach of a condition of this environmental authority, must be reported to the **administering authority** as soon as practicable, or at most, within 24 hours of **you** becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.
G4	Other than as permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.
G5	All information and records that are required by the conditions of this environmental authority must be kept for a minimum of five (5) years. Environmental monitoring results must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the **administering authority** upon request.
G6	An **appropriately qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
G7	All analyses required under this environmental authority must be carried out by a laboratory that has **NATA** certification, or an equivalent certification, for such analyses.

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G8	When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a complaint that is not considered by the administering authority to be frivolous or vexatious, of environmental nuisance arising from the **activity**. The monitoring results must be provided to the **administering authority** upon request.
G9	The **activity** must be undertaken in accordance with written procedures that: 1. identify potential risks to the environment from the **activity** during routine operations, closure and an emergency 2. establish and maintain control **measures** that minimise the potential for environmental harm 3. ensure plant, equipment and **measures** are maintained in a proper and effective condition 4. ensure plant, equipment and **measures** are operated in a proper and effective manner 5. ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994* 6. ensure that reviews of environmental performance are undertaken at least annually.
G10	The operator of an ERA to which this approval relates must: (a) install all **measures**, plant and equipment necessary to ensure compliance with the conditions of this approval (b) maintain such **measures**, plant and equipment in a proper and efficient operating condition and (c) operate such **measures**, plant and equipment in a competent and efficient manner.
G11	All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated and appropriately operated and maintained.
G12	Coal is only to be stockpiled and/or stored in the coal stock pile area shown in the **approved plans- Figure 1.**
Agency interest: Air	
Condition number	**Condition**
A1	Odours or airborne contaminants which are **noxious** or **offensive** or otherwise unreasonably disruptive to public amenity or safety must not cause nuisance to any **sensitive place** or commercial place.
A2	The release of dust and/or particulate matter resulting from the activities authorised by this approval must not cause an environmental nuisance at any nuisance sensitive place.

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A3	The registered operator must install barriers and equipment and implement operational procedures for the minimisation of dust particulates generated from the carrying out of the **activity**. The procedures must provide for: (a) control of coal dust from stockpiles (b) coal dust control at hoppers, conveyors and loading/unloading equipment (c) training of all staff in the methods to be applied for controlling dust emissions.
A4	Water sprays and/or mist curtains must be made available at stockpiles, loading and unloading facilities to minimise the release of dust and particulate matter to the atmosphere.
A5	All sealed traffic areas must be kept clean to minimise the release of dust and particulate matter to the atmosphere.
A6	Watering of unsealed roads shall be carried out to minimise the release of dust and particulate matter to the atmosphere.
A7	Trucks transporting material from the premises must be covered immediately after loading. The covering must be maintained until unloading commences.
A8	When requested by the administering authority, dust suppression monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust, and the data notified to the **administering authority**.

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<table>
<tr><th colspan="2">Agency interest: Water</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>WA1</td><td>The only contaminants to be released to surface waters are settled/ treated stormwater runoff waters from release point (RP) 1 Dam 4, in accordance with Table 1—Surface water release limits and the associated monitoring requirements.
Table 1—Surface water release limits[1]
<table>
<tr><th>Quality Characteristics (units)</th><th>Limit</th><th>Limit Type</th><th>Monitoring Frequency</th></tr>
<tr><td>Dissolved Oxygen (mg/L)</td><td>2.0</td><td>Minimum</td><td rowspan="3">Prior to discharge</td></tr>
<tr><td>Turbidity (NTU)</td><td>20</td><td>Maximum</td></tr>
<tr><td>pH</td><td>6.5-8.5</td><td>Range</td></tr>
</table>
Associated monitoring requirements
1. Release points must be in accordance with Approved plans- Figure 2.
2. Monitoring must be in accordance with the methods prescribed in the current edition of the Department of Environment and Heritage Protection Water Quality Sampling Manual.
3. Samples must be taken using representative samples.
4. All determinations must employ analytical practical quantification limits sufficiently low enough to enable comparisons to be made against water quality objectives/limits relevant to the particular water quality characteristic.
5. Monitoring must be undertaken during a release as per the frequency stated.
6. All monitoring devices must be correctly calibrated and maintained.</td></tr>
<tr><td>WA2</td><td>Monitoring of contaminant releases to waters must be undertaken in accordance with condition WA1 and records of the results must be kept.</td></tr>
<tr><td>WA3</td><td>In addition to WT1, the release to waters must not:
1. have any other properties at a concentration that is capable of causing environmental harm
2. produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter.</td></tr>
<tr><td>WA4</td><td>The stormwater runoff from disturbed areas, generated by (up to and including) a 24 hour storm event with an average recurrence interval of 1 in 5 years must be retained on site or managed to remove contaminants before release.</td></tr>
</table>

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WA5	All drainage from the coal stockpile area is to be directed to on site sedimentation dams as per **Approved plans – Figure 2** attached to this environmental authority.
WA6	The site must have a stormwater management plan (SWMP) implemented which addresses the following: (a) prevention of incident storm water and storm water run-off from contacting wastes or contaminants; (b) collection, treatment and disposal of all contaminated storm water run-off; (c) specify the sampling locations of all contaminant release points (d) monitoring frequency of stormwater discharges to the environment.
WA7	Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillage must not be cleaned up by hosing, sweeping or otherwise releasing contaminants to any external storm water drainage system, roadside gutter or **waters**.

Agency interest: Noise

Condition number	**Condition**
N1	Noise from the **Activity** must not exceed the levels identified in *Table 2—Noise limits* at any nuisance **Sensitive place** when measured in accordance with the associated monitoring requirements.

Table 2 – Noise Limits

Noise level measured in dB(A)	**Monday to Saturday**			**Sunday and Public Holidays**		
	7am-6pm	6pm-10pm	10pm-7am	9am-6pm	6pm-10pm	10pm-9am
	Noise measured at a nuisance **sensitive place**					
$L_{Aeq\ adj,T}$	Background +5	Background +3	Background +0	Background +5	Background + 3	Background + 0
$MaxL_{pA,T}$	Background +10	Background +8	Background +5	Background +10	Background +8	Background +5
	Noise measured at a **commercial place**					
$L_{Aeq\ adj,T}$	Background +10	Background +8	Background +5	Background +10	Background +8	Background +5
$MaxL_{pA,T}$	Background +15	Background +13	Background +10	Background +15	Background +13	Background +10

Associated monitoring requirements

1. All monitoring devices must be correctly calibrated and maintained.
2. Any monitoring must be in accordance with the most recent version of the **administering authority's** Noise Measurement Manual.
3. Any monitoring of noise emissions from the **activity** must be undertaken when the **activity** is in operation.

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N2	When required by the **administering authority**, noise monitoring must be undertaken in accordance with the associated monitoring requirements of *Table 2—Noise Limits*, and the results notified within 14 days to the **administering authority**. Monitoring must include: 1. $L_{Aeq, adj, T}$ 2. **Background** noise (**Background**) as $L_{A\ 90, adj, T}$ 3. **MaxLpA,T** 4. the level and frequency of occurrence of any impulsive or tonal noise 5. atmospheric conditions including wind speed and direction 6. effects due to extraneous factors such as traffic noise 7. location, date and time of recording.

Agency interest: Land	
Condition number	**Condition**
L1	Contaminants must not be released to land.
L2	Storage of chemicals and fuels in bulk or in containers of greater than 15 litres must be within a secondary containment system that is impervious to the materials stored and releases from the containment system controlled in a manner that prevents environmental harm.
L3	Any spills and/or release of regulated waste or chemicals must be cleaned up as soon as practicable after the spill event.

Agency interest: Waste	
Condition number	**Condition**
WS1	All waste generated in carrying out the **activity** must be reused, recycled or removed to a facility that can lawfully accept the waste.
WS2	The holder of this environmental authority shall not dispose of regulated waste on-site.

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Approved Plans

Figure 1- Site Plan

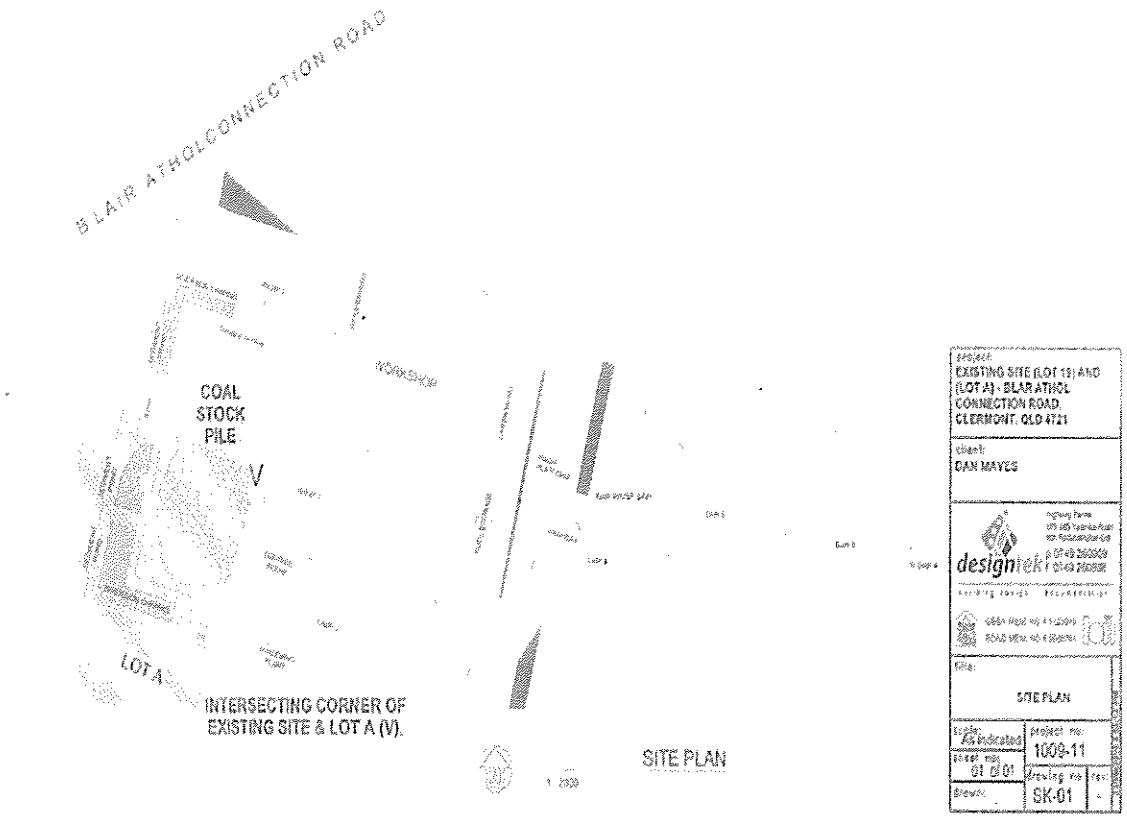


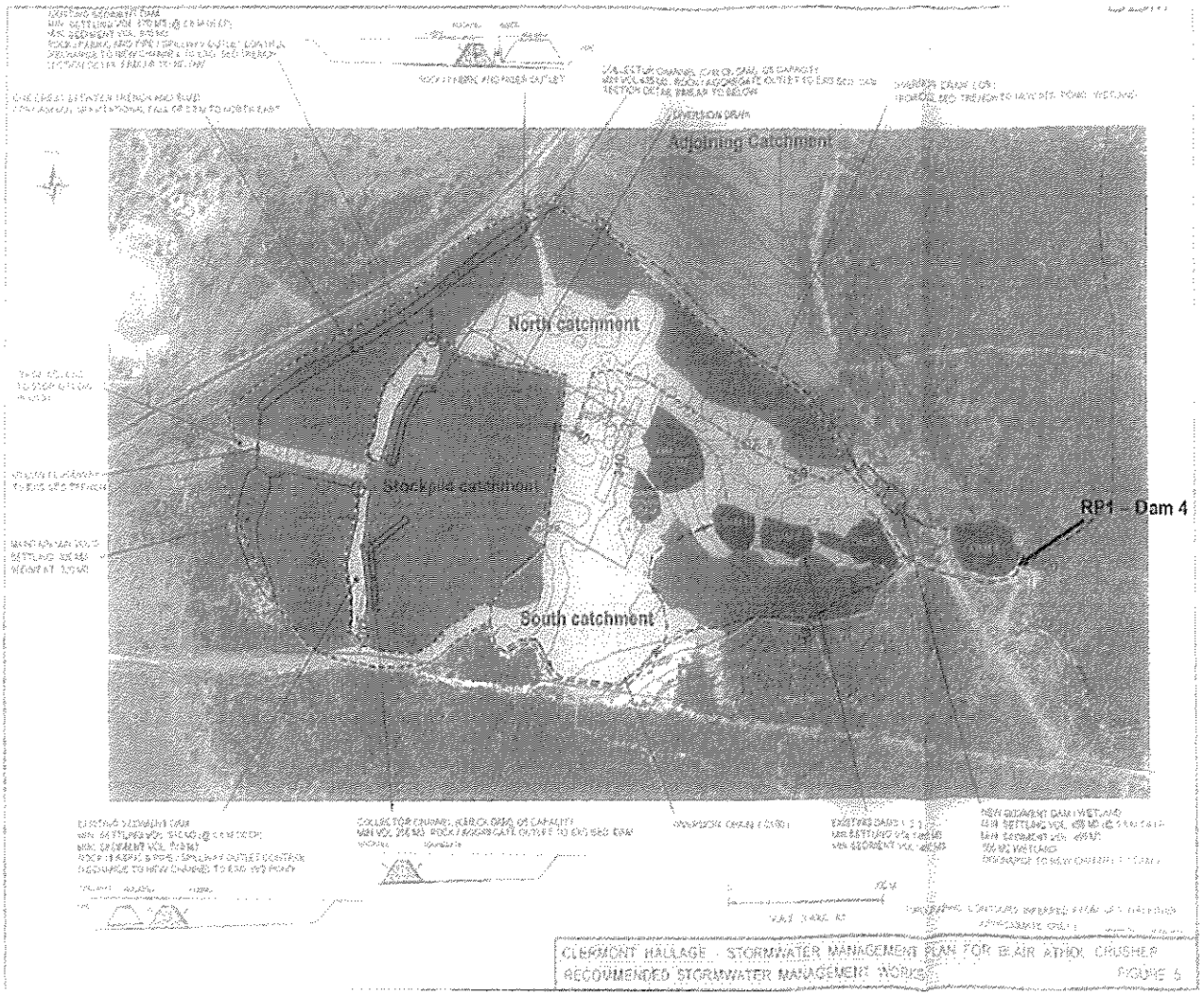
Figure 2.2: Site plan of premises

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Approved Plans

Figure 2- Stormwater Management Plan



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Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Heritage Protection or its successor or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Background means noise, measured in the absence of the noise under investigation, as L A90,T being the A-weighted sound pressure level exceeded for 90 per cent of the time period of not less than 15 minutes, using Fast response.

Commercial place means 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.

LAeq adj,T means the adjusted A weighted equivalent continuous sound pressure level **Measures** on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the **Activity** is causing a steady state noise, and no shorter than one hour when the approved **Activity** is causing an intermittent noise.

MaxLpA,T means the maximum A-weighted sound pressure level measured over a time period T of not less than 15 minutes, using Fast response.

Measures has the broadest interpretation and includes plant, equipment, physical objects, bunding, containment systems, monitoring, procedures, actions, directions and competency.

NATA means National Association of Testing Authorities.

Noxious means harmful or injurious to health or physical well-being.

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

Prescribed contaminants means contaminants listed within Schedule 9 of the Environmental Protection Regulation 2008.

Release of a contaminant into the environment means to:

- deposit, discharge, emit or disturb the contaminant
- cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- fail to prevent the contaminant from being deposited, discharged emitted or disturbed
- allow the contaminant to escape
- fail to prevent the contaminant from escaping.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or

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- 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
- for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

24 hour storm event with an average recurrence interval of 1 in 5 years means the maximum rainfall depth from a 24 hour duration precipitation event with an average recurrence interval of once in 5 years. *For example, an Intensity-Frequency-Duration table for a 24 hour duration event with an average recurrence interval of 1 in 5 years, identifies a rainfall intensity of 7.09mm/hour. The rainfall depth for this event is therefore 24 hour x 7.09mm/hour = 170.16mm.*

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 the environmental authority.

END OF PERMIT

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