Permit

Environmental Protection Act 1994

Environmental authority EPPR00465913

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

Environmental authority number: EPPR00465913

Environmental authority takes effect on signing by the delegate.

The anniversary date of this environmental authority remains as 10 April. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder

Name	Registered address
THE RIVERSIDE COAL TRANSPORT COMPANY PTY. LTD.	17 Skyring Terrace NEWSTEAD QLD 4006

Environmentally relevant activity and location details

Environmentally relevant activities	Location
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 100/SP292614
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 101/SP292614
Prescribed ERA, ERA 16 - Extraction and Screening, 3: Screening, in a year, the following quantity of material, (a) 5,000t to 100,000t	Lot 593/SP148600
Prescribed ERA, ERA 50 - Bulk Material Handling, 1: Loading or unloading 100t or more of minerals in a day or stockpiling 50,000t or more of minerals, (a) within 5km of the highest astronomical tide or 1km of a watercourse	Lot 100/SP292614

ABN 46 640 294 485

Queensland Government

Environmentally relevant activities	Location
Prescribed ERA, ERA 50 - Bulk Material Handling, 1: Loading or unloading 100t or more of minerals in a day or stockpiling 50,000t or more of minerals, (a) within 5km of the highest astronomical tide or 1km of a watercourse	Lot 101/SP292614
Prescribed ERA, ERA 50 - Bulk Material Handling, 1: Loading or unloading 100t or more of minerals in a day or stockpiling 50,000t or more of minerals, (a) within 5km of the highest astronomical tide or 1km of a watercourse	Lot 593/SP148600

Additional information for applicants

Environmentally relevant activities

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

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA 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 an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days) that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority-on the nominated day; or
b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or
c) otherwise- one the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.

C Mooney
Signature

22/2/19
Date

Chris Mooney
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Department of Environment and Science
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
Email: palm@des.qld.gov.au

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

The environmentally relevant activities conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

Agency interest: General	
Condition number	**Condition**
G1	All reasonable and practicable measures must be taken to minimise the likelihood of environmental harm being caused.
G2	Any breach of a condition of this environmental authority or any adverse impact on an environmental value must be reported to the administering authority in writing within 24 hours of becoming aware of the breach or the impact and any subsequent actions undertaken.
G3	All information and records that are required by the conditions of this environmental authority must be kept for a period of at least 5 years and provided to the administering authority upon request.
G4	The activity must be undertaken in accordance with written procedures that: - identify potential risks to the environment from the activity during routine operations and emergencies - establish and maintain control measures that minimise the potential for environmental harm - ensure plant, equipment and measures are maintained in a proper and effective condition - ensure plant, equipment and measures are operated in a proper and effective manner - ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994* - ensure that reviews of environmental performance are undertaken at least annually.
G5	For any nuisance complaints received: (a) records of the complaint and any investigations or actions taken in relation to the complaint must be kept; (b) the complaint must be investigated by a suitably qualified person to determine if environmental nuisance has been caused; and (c) where environmental nuisance is or has been caused by the activity, actions necessary to rectify the nuisance issue must be undertaken.

G6	The storage and handling of sand materials must not cause or be reasonably likely to cause the material to wash, blow, fall or otherwise move into any waters, roadside gutter or stormwater drainage such as to cause any accumulation of earthen material in such a place.
G7	The outer limit of all sand stockpiles including the stockpile containment system must be set back a minimum distance of five (5) metres from the top of the rock wall (Brisbane River revetment wall) as shown in the survey plan reference 6895DT, dated 14/09/2012.
G8	Storage of chemicals and fuels in bulk or in containers of greater than 15 litres must be within a secondary containment system and releases from the containment system controlled in a manner that prevents environmental harm.
G9	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.
G10	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. The only exception to this condition is for in situ monitoring of pH, turbidity, dissolved oxygen and oil and grease.
Agency interest: Noise	
Condition number	**Condition**
N1	For the purposes of checking compliance with condition N6 and N7 of this environmental authority the noise levels from the activity must be undertaken for at least the following descriptors, characteristics and conditions: i. $L_{Amax, Adj, Tmin}$; ii. $L_{Abg, T}$ (or $L_{A90, T}$); iii. $L_{Aeq, T}$; iv. The level and frequency of occurrence of impulsive or tonal noise; v. Atmospheric conditions including temperature, relative humidity and wind speed and direction; and vi. Effects due to extraneous factors such as traffic noise.
N2	The holder of this environmental authority must monitor and record the noise levels as often as is necessary to check compliance with the conditions of this authority but not less frequently than upon the receipt of complaints.
N3	Noise monitoring must also be undertaken to investigate any complaint of noise nuisance upon receipt of a request from the administering authority to carry out such monitoring.

<table>
<tr><td>N4</td><td>The method of measurement and reporting of noise levels must comply with the latest edition of the administering authority's Noise Measurement Manual.</td></tr>
<tr><td>N5</td><td>The method of measurement and reporting of noise levels must be undertaken by a person or body acceptable to the administering authority.</td></tr>
<tr><td>N6</td><td>The emission of noise from the activity must not result in levels greater than those specified in Table 1 and Condition N7.

TABLE 1
<table><tr><th colspan="2">NOISE LIMITS AT A NOISE SENSITIVE PLACE</th></tr><tr><th>Period</th><th>Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj,\ T}$</th></tr><tr><td>7 am - 6 pm</td><td>Background noise level plus 5 dB(A)</td></tr><tr><td>6 pm - 10 pm</td><td>Background noise level plus 5 dB(A)</td></tr><tr><td>10 pm - 7 am</td><td>Background noise level plus 3 dB(A)</td></tr><tr><th colspan="2">NOISE LIMITS AT A COMMERCIAL PLACE</th></tr><tr><th>Period</th><th>Noise Level at a Commercial Place measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj,\ T}$</th></tr><tr><td>7 am -6 pm</td><td>Background noise level plus 10 dB(A)</td></tr><tr><td>6 pm - 10 pm</td><td>Background noise level plus 10 dB(A)</td></tr><tr><td>10 pm - 7 am</td><td>Background noise level plus 8 dB(A)</td></tr></table></td></tr>
<tr><td>N7</td><td>The absolute maximum instantaneous sound pressure level, when measured at a noise sensitive place or commercial place, $MaxL_{pAT}$ must not exceed 55 dB(A).</td></tr>
<tr><td colspan="2">Agency interest: Air</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>A1</td><td>Odours or airborne contaminants which are noxious or offensive or otherwise unreasonably disruptive to public amenity or safety must not be released to any nuisance sensitive place or commercial place.</td></tr>
<tr><td>A2</td><td>The sulphur content of any fuel burned in industrial fuel burning equipment is not to exceed three (3%) percent by weight.</td></tr>
<tr><td>A3</td><td>The only type of fuel to be burned in industrial fuel burning equipment is natural gas.</td></tr>
</table>

A4	Water sprays must be installed and operated as necessary to minimise the release of dust and particulate matter to the atmosphere.
A5	All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.
A6	Any spillages of material onto sealed areas, as a result of delivery or handling, must be cleaned up without delay into storage bins or other suitable receptacles.
A7	The holder of this environmental authority must ensure that all trucks owned by the holder of this environmental authority leaving the premises will be securely fixed prior to loading and immediately after unloading to prevent loss of materials. Such trucks must be covered immediately after loading to prevent windblown releases and spillage. This covering must be maintained until immediately before unloading the trucks.
A8	The holder of this environmental authority must take appropriate measures to inform and instruct the drivers of all trucks (including contract transporters) that they must comply with the requirements set out in the condition A7.
A9	Sand, or other material likely to cause dust, must be managed in such a way that prevents its movement beyond the boundaries of the site.
A10	Sand stockpiles must be maintained in a moist state to minimise the release of contaminants to the atmosphere during handling.
Agency interest: Water	
Condition number	**Condition**
W1	Other than as permitted within this authority, contaminants must not be released from the site to any waters or the bed and banks of any waters.
W2	The only contaminants to be released to surface waters are settled treated stormwater runoff to waters described as Brisbane River in accordance Table 2 – Surface water release limits and monitoring and the associated requirements.

Table 2 – Surface water release limits and monitoring

Point description	Latitude	Longitude	Contaminant	Unit	Limit	Limit type	Minimum monitoring frequency
Release point W1	-27.45105	153.04847	pH	pH	7.0 – 8.4	Range	Monthly
			Total suspended solids	mg/L	50	Maximum	
			Turbidity	NTU	30	Maximum	
			Visible oil and grease	-	No visible oil and grease	Maximum	
			Dissolved oxygen	% sat.	85 - 105	Range	
Release point W2	-27.45159	153.04877	pH	pH	7.0 – 8.4	range	Monthly
			Total suspended solids	mg/L	50	Maximum	
			Turbidity	NTU	30	Maximum	
			Visible oil and grease	-	No visible oil and grease	Maximum	
			Dissolved oxygen	% sat.	85 -105	Range	
Monitoring point W3	-27.45174	153.04917	pH	pH	No releases permitted	No releases permitted	Monthly
			Total suspended solids	mg/L			
			Visible oil and grease	-			
			Turbidity	NTU			
			Dissolved oxygen	% sat.			
Monitoring point W4	-27.45013	153.04796	pH	pH	No releases permitted	No releases permitted	Monthly
			Total suspended solids	mg/L			
			Visible oil and grease	-			
			Turbidity	NTU			
			Dissolved oxygen	% sat.			

Associated requirements:

1. Monitoring must be in accordance with the methods prescribed in the current edition of the Department of Environment and Science Monitoring and Sampling Manual.

	2. Water and sediment samples must be representative of the general condition of the water body or sediments. 3. All determinations must employ analytical practical quantification limits of sufficient sensitivity to enable comparisons to be made against water quality limits. 4. All monitoring must be undertaken during a release and at the frequency stated. 5. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual. 6. Total Suspended Solids and Turbidity limits must be met for any release generated by a storm event up to and including a 24 hour storm event with an average recurrence interval (ARI) of 1 in 5 years. For larger events, releases of stormwater beyond these contaminants may occur only after all reasonable and practical measures be taken to minimise the release of contaminants.
W3	The maintenance and cleaning of vehicles and any other equipment or plant must be carried out in areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.
W4	Monthly inspections of the site's stormwater system must be conducted, to monitor for sand accumulation. Sand accumulated in the stormwater system must be removed.
W5	During vessel unloading operations, the bank of the Brisbane River adjacent to the wharf and beneath the conveyor must be regularly inspected for the presence of any sand releases and appropriate actions must be undertaken to clean up the material and prevent any further such releases.
W6	All inspections conducted and actions taken as required by Conditions W4 and W5 must be recorded.
W7	Contaminants must not be released to groundwater.
W8	The release of water permitted under condition W2 must not contain any other properties at a concentration capable of causing environmental harm.
Agency interest: Waste	
Condition number	**Condition**
WS1	Waste must only be removed from the site by a transporter lawfully able to transport it to a place lawfully able to receive it.

Definitions

Key terms and/or phrases used in this document are defined in this section. 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.

Act means the Environmental Protection Act 1994.

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

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

AMTD means Adopted Middle Tread Distance as per the Queensland Water Resources Commission publication entitled 'Atlas of AMTD Maps, January 1994'.

Background noise level means either:

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

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

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.

Environmental nuisance (the Act) is unreasonable Interference or likely interference with an environmental value caused by—

a) aerosols, fumes, light, noise, odour, particles or smoke; or

b) an unhealthy, offensive or unsightly condition because of contamination; or

c) another way prescribed by regulation.

Environmental value (the Act) is—

a) a quality or physical characteristic of the environment that is conducive to ecological health or public amenity or safety; or

b) another quality of the environment identified and declared to be an environmental value under an environmental protection policy or regulation.

Land means land excluding waters and the atmosphere.

$L_{Amax\ adj,T}$ means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 15 minutes, using Fast response.

MaxL_{pAT} means the absolute maximum instantaneous A-weighted sound pressure level measured over a time period of not less than 15 minutes, using Fast response.

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

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.

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

a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or

b) a motel, hotel or hostel; or

c) a kindergarten, school, university or other educational institution; or

d) a medical centre or hospital; or

e) a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or

f) a public thoroughfare, park or gardens; or

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

Suitably 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.

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.

END OF ENVIRONMENTAL AUTHORITY