Permit

Environmental Protection Act 1994

Environmental authority EPPR01548413

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

Environmental authority number: EPPR01548413

Environmental authority takes effect on the day of approval.

The anniversary day of this environmental authority remains **04 October**. The payment of the annual fee will be due each year on this day.

Environmental authority holder

Name	Registered address
GLADSTONE PORTS CORPORATION LIMITED	Kullaroo House 40 Goondoon Street GLADSTONE DC QLD 4680

Environmentally relevant activity and location details

Environmentally relevant activities	Locations
ERA 16(3)(a) Extractive and screening activities – Screening, in a year the following quantity of material – 5,000t to 100,000t. ERA 50(1)(a) Mineral and bulk material handling – loading or unloading 100t or more of minerals in a day, other than loading or unloading mentioned in item 3, or storing 50,000t or more of minerals – within 5km of the highest astronomical tide or 1km of a watercourse. ERA 50(2) Mineral and bulk material handling – loading or unloading 100t or more of bulk materials in a day, other than loading or unloading mentioned in item 3, or storing bulk materials.	**Barney Point – Barney Street, Gladstone QLD 4680** Lot 300/SP272314, Lot 301/SP256216 (Wharf), and Lot 10/SP257847
ERA 8(3) Chemical storage – storing more than 500m^3 of chemicals of class C1 or C2 combustible liquids under AS 1940 or dangerous goods class 3 under subsection (1)(c). ERA 16(3)(c) Extractive and screening activities – Screening, in a year, the following quantity of material – more than 1,000,000t.	**RG Tanna Coal Terminal, Bryan Jordan Drive and Gladstone, QLD, 4680** Lot 210/SP120888

ERA 50(1)(a) Mineral and bulk material handling – loading or unloading 100t or more of minerals in day, other than loading or unloading mentioned in item 3, or storing 50,000t or more of minerals – within 5km of the highest astronomical tide or 1km of a watercourse. ERA 50(2) Mineral and bulk material handling – loading or unloading 100t or more of bulk materials in a day, other than loading or unloading mentioned in items 3, or storing bulk materials. ERA 62 (1)(d) Resource recovery and transfer facility operation – operating a facility for receiving and sorting, dismantling, baling or temporarily strong – category 1 regulated waste	
ERA 50(1)(a) Mineral and bulk material handling – loading or unloading 100t or more of minerals in day, other than loading or unloading mentioned in item 3, or storing 50,000t or more of minerals – within 5km of the highest astronomical tide or 1km of a watercourse.	**RG Tanna Coal Terminal, Bryan Jordan Drive and Gladstone, QLD, 4680** Lot 250/SP178316, Lot 213/SP277322 and Lot 212/SP307521
ERA 57 Regulated waste transport – transporting regulated waste, other than end-of-life tyres (05 vehicles only)	**State of Queensland**

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

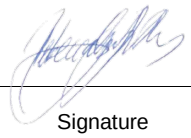
b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or

c) otherwise on 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.

	26/02/2024
Signature	Date

Rebecca Griffiths
Department of Environment, Science, and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

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

Privacy statement

Pursuant to section 540 of the EP Act, the Department is required to maintain a register of certain documents and information authorised under the EP Act. A copy of this document will be kept on the public register. The register is available for inspection by members of the public who are able take extracts, or copies of the documents from the register. Documents that are required to be kept on the register are published in their entirety, unless alteration is required by the EP Act. There is no general discretion allowing the Department to withhold documents or information required to be kept on the public register. For more information on the Department's public register, search 'public register' at www.qld.gov.au. For queries about privacy matters please email privacy@des.qld.gov.au or telephone 13 74 68.

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)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Resources (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Obligations under the *Mining and Quarrying Safety and Health Act 1999*

If you are operating a quarry, other than a sand and gravel quarry where there is no crushing capability, you will be required to comply with the *Mining and Quarrying Safety and Health Act 1999*. For more information on your obligations under this legislation contact Mine Safety and Health at https://www.rshq.qld.gov.au/, or phone 13 QGOV (13 74 68) or your local Mines Inspectorate Office.

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. If you are unsure that you have the most current version of the environmental authority relating to this site please visit https://apps.des.qld.gov.au/env-authorities/ to access all environmental authorities currently approved.

Conditions of environmental authority

Part 1

Environmentally relevant activities	Locations
ERA 16(3)(a) Extractive and screening activities – Screening, in a year the following quantity of material – 5,000t to 100,000t. ERA 50(1)(a) Mineral and bulk material handling – loading or unloading 100t or more of minerals in a day, other than loading or unloading mentioned in item 3, or storing 50,000t or more of minerals – within 5km of the highest astronomical tide or 1km of a watercourse. ERA 50(2) Mineral and bulk material handling – loading or unloading 100t or more of bulk materials in a day, other than loading or unloading mentioned in item 3, or storing bulk materials.	**Barney Point – Barney Street, Gladstone QLD 4680** Lot 300/SP272314, Lot 301/SP256216 (Wharf), and Lot 10/SP257847

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

Agency interest: General	
Condition number	**Condition**
P1-G1	All reasonable and practicable **measures** must be taken to prevent or minimise any environmental harm caused by the **activities**.
P1-G2	Any contravention of a condition of this environmental authority must be reported to the **administering authority** as soon as practicable, but no more than within 24 hours of becoming aware of the breach.
P1-G3	For any contravention of a condition of this environmental authority, an investigation must be carried out to determine the cause of the contravention and the investigation must include an assessment to determine the environmental impact of the contravention.
P1-G4	**Records** of any contravention of this environmental authority must be made including full details of the contravention and any subsequent actions taken in accordance with condition P1-G3.
P1-G5	Other than as permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.
P1-G6	All **records** required by the conditions of this environmental authority must be kept for a minimum of five years, and all **monitoring** results and underlying raw data must be kept until surrender of this environmental authority.

P1-G7	All **records** required by the conditions of this environmental authority must be provided to the **administering authority:** a) within the timeframe specified by the **administering authority**; and b) in the format requested by the **administering authority**.
P1-G8	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.
P1-G9	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (**NATA**) certification, or an equivalent certification, for such analyses. The only exception to this condition is for *in situ* **monitoring** of pH and dissolved oxygen.
P1-G10	**You** must ensure that the results of all **monitoring** performed in accordance with this environmental authority for the period covered by the annual report is provided to the **administering authority** on request.
P1-G11	**You** shall submit with the annual report the following information: a) **throughput** tonnages for the annual return year; and b) air quality compliance **monitoring** results, and remedial actions undertaken to prevent or minimise any dust emissions.
P1-G12	Details of all **environmental complaints** received must be recorded including: a) date and time the complaint was received; and b) name and contact details of the complainant when provided by the complainant; and c) nature of the complaint; and d) investigations undertaken; and e) conclusions formed; and f) actions taken.
P1-G13	Written procedures must be developed which: a) identify all potential risks to the environment from the **activity**, including: i. during routine operations; and ii. outside routine operations; and iii. during closure; and iv. in an emergency; and b) identify **measures** to prevent or minimise the potential for environmental harm for each of the potential risks identified; and c) establish an inspection and maintenance program for plant and equipment including calibration and servicing that is in accordance with manufacturer's instructions; and d) establish a staff training program on obligations under this environmental authority and the *Environmental Protection Act 1994* to be conducted as part of staff inductions and at least annually thereafter; and

<table>
<tr><td></td><td>e) establish processes to review environmental risks, incidents, performance and complaints.</td></tr>
<tr><td>P1-G14</td><td>Written procedures required by condition P1-G13 must be:
a) implemented; and
b) reviewed at least every two years; and
c) provided to the administering authority upon request and within a timeframe specified by the administering authority.</td></tr>
<tr><td>P1-G15</td><td>For plant and equipment, all measures necessary to comply with the conditions of this environmental authority must be:
a) installed, operated and maintained in a proper and effective manner; and
b) in accordance with the written procedure developed in accordance with condition P1-G13.</td></tr>
<tr><td>P1-G16</td><td>All monitoring devices must be effectively calibrated and maintained in accordance with manufacturers specifications.</td></tr>
<tr><td>P1-G17</td><td>The scale of the activities authorised by this environmental authority, in respect of unloading and loading of products under this environmental authority are shown in Table 1: Throughput limits.

Table 1: Throughput limits
<table><tr><th>Product</th><th>Maximum throughput (tonnes per annum)</th></tr><tr><td>Coal</td><td>5,040,000</td></tr><tr><td>Calcite</td><td>1,000,000</td></tr><tr><td>Magnesite</td><td>1,000,000</td></tr><tr><td>Ilmenite</td><td>220,000</td></tr><tr><td>Cotton seed</td><td>60,000</td></tr><tr><td>Woodchip</td><td>2,500,000</td></tr><tr><td>Break Bulk</td><td>-</td></tr></table></td></tr>
<tr><td>P1-G18</td><td>Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system.</td></tr>
<tr><td>P1-G19</td><td>Compliance with the conditions of this environmental authority and with the requirements of written procedures required under condition P1-G13 must be independently audited every two (2) years.</td></tr>
<tr><td>P1-G20</td><td>The audit(s) required by condition P1-G19 must be conducted by a suitably qualified third party auditor, nominated by you and accepted by the administering authority.</td></tr>
<tr><td>P1-G21</td><td>For the audit(s) required by condition P1-G19, you must submit a final version of the auditor's report to the administering authority within 5 business days of receiving the audit report. The</td></tr>
</table>

	report must be accompanied by a statutory declaration from the auditor, stating that the report accurately represents the findings of the auditor.
P1-G22	**You** must ensure that all automated **monitoring** instrumentation required by this environmental authority is operational for not less than 310 calendar days in any 365 calendar days, calculated on a rolling basis.
P1-G23	Notwithstanding condition P1-G17, the holder of this environmental authority may undertake a one-off trial shipment of new product, following written notification to the **administering authority**.
Agency interest: Air	
Condition number	**Condition**
P1-A1	Odours or airborne contaminants from the **activity** must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.
P1-A2	A Dust Management Plan (DMP) must be prepared in consultation with the **administering authority** and implemented. The DMP must address at least the following matters: a) the matters outlined in condition P1-G15 to P1-G17 as they relate to dust management; b) **measures** and work practices that will be implemented to minimise the generation or **release** of dust to air, including: i. control of dust from stockpiles and vacant **land**; ii. dust control at hoppers, conveyors, transfer points, wharves and loading/unloading equipment; iii. the documented equipment associated with the management of fugitive dust emissions; iv. and the design, construction, maintenance and operation of buildings, wharves, conveyors and transfer points; c) **monitoring** that will be carried out within or at the boundaries of the site; and d) staff training in the nature of coal types and other stockpiled/handled material, control **measures** to be applied and accountability for controlling dust, with refresher training to be provided once every two (2) years.
P1-A3	An air **monitoring** program must be: a) designed by an **appropriately qualified person(s)** to **monitor** the effects of the **activity** on air; and b) undertaken at the frequency specified by *Table 2: Air **Monitoring** Program* by an **appropriately qualified person(s).**
P1-A4	The air **monitoring** program must: a) be conducted in accordance *with Table 2: Air Monitoring Program* and associated requirements; and b) include all quality characteristics required by *Table 2: Air Monitoring Program*; and

c) contaminants released to air from the activity must not exceed the **release** limits specified in *Table 2: Air Monitoring Program*.

Table 2: Air Monitoring Program

Indicator	Release Limit	Average Period	Monitoring Locations	Monitoring Frequency
Mass deposition rate of Combustible materials	1.0g/m^2/month of coal solids	30 calendar days ± 2	BP1 & BP2 shown in ***Figure 1: Location of air monitoring points***	Monthly
Particulate Matter less than 10µm in aerodynamic diameter (PM_{10})	50µg/m^3	24 hour average	Site 13 TEOM shown in ***Figure 1: Location of air monitoring points***	Continuously Operational for not less than 310 calendar days in any 365 calendar days, calculated on a rolling basis

Associated requirements

1) AS/NZS 3580.1.1:2016 Methods for sampling and analysis of ambient air, Part 1.1: Guide to siting air **monitoring** equipment; and
2) AS/NZS 3580.10.1:2016 Methods for sampling and analysis of air, Method 10.1: Determination of particulate matter – Deposited matter – Gravimetric method; and
3) AS/NZS 3580.9.8:2008 Methods for sampling and analysis of ambient air, Method 9.8: Determination of suspended particulate matter – PM_{10} continuous direct mass method using a tapered element oscillating microbalance analyser.

P1-A5	It is not a contravention of condition P1-A4 if it can be shown that other site(s), not impacted by activities to which this environmental authority relates, but is representative of background conditions, is also in exceedance of these limits.
P1-A6	In the event of a complaint about dust and particulate matter nuisance generated by activities on site, the registered operator will: a) where practical, change procedures to reduce the dust and particulate matter nuisance; and b) liaise with the complainant and/or **administering authority** over remedial action.
P1-A7	Where the actions referred to in condition P1-A6 do not resolve the dust and particulate matter nuisance, and when requested by the administering authority, dust and particulate monitoring must: a) be carried out at places relevant to the potentially affected **sensitive place** or **commercial place** and at suitable representative reference site(s) unlikely to be affected by the **activity**; and

b) take into account:
   i. locations of dust and particulate sources; and
   ii. locations of persons or sites potentially affected by any **release** of dust or particulate matter from the **activity**; and

c) be carried out in accordance with the latest edition of the **administering authority**'s *Air Quality Sampling Manual 1997*; and

d) be undertaken in conjunction with the recording of precipitation, wind speed and direction in accordance with the requirements of the relevant standards within AS/NZS 3580.

Agency interest: Water

Condition number	Condition
P1-W1	Contaminants (Settled and/or treated stormwater) must only be **released** to surface **waters** where they: a) are from approved discharge locations; and b) meet the **release** limits for each indicator; and c) are **monitored** at the **monitoring** location and at the frequency as stated in *Table 3 – Contaminant monitoring, discharge location and **release** limits;* and d) the associated requirements are complied with.

Table 3 – Contaminant monitoring, discharge location and release limits

Monitoring Point	Quality Characteristics	Release Limit		Monitoring Frequency
		Minimum	Maximum	
SW1/SW3/SW4/SW6B shown in ***Figure 2: stormwater discharge locations***	Dissolved Oxygen (mg/L)	2.0		One per **stormwater discharge event**
	pH	5.5	8.5	
	Suspended solids (mg/L)		40	
	Total Petroleum Hydrocarbons (mg/L)		10	
	Oil and Grease (mg/L)		10	
	Dissolved metals (Hg, Zn, Cu, Ag, Ni, Pb, Cr, Cd) and Sulfate (mg/L)			To be undertaken twice yearly and whenever pH is <6.5
SW7 shown in ***Figure 2: stormwater discharge locations***	Suspended solids (mg/L), Dissolved Oxygen (mg/L), Total Petroleum			Once per year during a discharge event

	<table><tr><td></td><td>Hydrocarbons (mg/L), pH</td><td></td><td></td><td></td></tr></table> **Associated requirements** 1) **Monitoring** must be in accordance with the methods prescribed in the current edition of the **administering authority**'s ***Monitoring*** *and Sampling Manual Environmental Protection (Water) Policy 2009*; and 2) Water samples must be representative of the general condition of the water body.
P1-W2	Notwithstanding any other condition of this environmental authority, any **release** of contaminants to **waters** must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectionable matter.
P1-W3	The controlled **release** of settled and/or treated stormwater must be conducted in a way and at a rate that does not cause: a) re-suspension of particles; or b) erosion of bed or banks of receiving **waters**; or c) landscape damage; or d) ponding of the water; or e) vegetation damage.
P1-W4	Erosion protection **measures** and sediment control **measures** must be implemented and maintained to minimise: a) erosion of soils in area disturbed by the activities; and b) the **release** of sediment to any **waters**.
P1-W5	The spillage of bulk products being loaded or unloaded, 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 such wastes, contaminants or material to any external stormwater drainage system, roadside gutter or **waters**.
P1-W6	All reasonable and practicable **measures** must be taken to prevent the spillage of bulk products from ship loaders to **waters**.
P1-W7	**You** must develop an ambient water **monitoring** program in consultation with the **administering authority** and then implement the program. The ambient water **monitoring** program must address, as a minimum, water chemistry and biology for all of the **waters** impacted by the **activities**.
Agency interest: Noise	
Condition number	**Condition**
P1-N1	Other than as permitted within this environmental authority, noise generated by the **activity** must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.
P1-N2	Noise from the **activity** must not exceed the levels identified in *Table 4 – Noise limits* when measured in accordance with the associated **monitoring** requirements.

<table>
<tr><td></td><td>

Table 4 – Noise limits

<table>
<tr><th>Noise Level at a Sensitive place, measured as the Adjusted Maximum Sound Pressure Level L Amax, adj, T [dB(A)]</th><th>Period</th></tr>
<tr><td>54 dB(A)</td><td>7 am – 10 pm</td></tr>
<tr><td>52 dB(A)</td><td>10 pm – 7 am</td></tr>
<tr><th>Noise Level at a Commercial place, measured as the Adjusted Maximum Sound Pressure Level L Amax, adj, T [dB(A)]</th><th>Period</th></tr>
<tr><td>59 dB(A)</td><td>7 am – 10 pm</td></tr>
<tr><td>57 dB(A)</td><td>10 pm – 7 am</td></tr>
</table>

Associated requirements

1) Noise **monitoring** must be in accordance with the most recent version of the **administering authority**'s Noise Measurement Manual.
2) All noise from **activities** must not exceed the levels specified in *Table 4 – Noise limits* unless there is no wind or wind is from the North West quadrant. In the case of no wind, or wind is from the NW quadrant (and less than 4m/s), add 2 dB(A) to the limits stated above. When wind from the NW quadrant exceed 4 m/s, add 4 dB(A) to the limits stated above.

</td></tr>
<tr><td>P1-N3</td><td>When required by the administering authority, noise monitoring must be undertaken, in accordance with the associated monitoring requirements of Table 4 - Noise limits in condition P1-N2, and the results notified within 10 business days to the administering authority.
Monitoring must include:
a) $L_{Aeq, adj, T}$; and
b) Background noise (Background) as $L_{A\ 90, adj, T}$; and
c) Max$L_{pA,T}$; and
d) the level and frequency of occurrence of any impulsive or tonal noise; and
e) atmospheric conditions including wind speed and direction; and
f) effects due to extraneous factors such as traffic noise; and
g) location, date and time of recording.</td></tr>
<tr><td colspan="2">Agency interest: Waste</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>P1-WT1</td><td>All waste generated by the activity must be lawfully reused or recycled, and/or lawfully removed to a facility that can lawfully accept the waste.</td></tr>
</table>

Agency interest: Land	
Condition	
P1-L1	Treatment and management of acid sulfate soils must comply with the latest edition of the *Queensland Acid Sulfate Soil Technical Manual*.
P1-L2	**Land** that has been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that: a) suitable species of vegetation for the location are established and sustained for earthen surfaces; and b) potential for erosion is minimised; and c) the quality of water, including seepage, **released** from the site does not cause environmental harm; and d) potential for environmental nuisance caused by dust is minimised; and e) the water quality of any residual water body does not have potential to cause environmental harm; and f) the final landform is stable and protect public safety.
P1-L3	Rehabilitation of disturbed areas must take place progressively as works are staged and new works areas are commenced.
P1-L4	Contaminants must not be **released** to **land**.

Figure 1: Location of air monitoring points

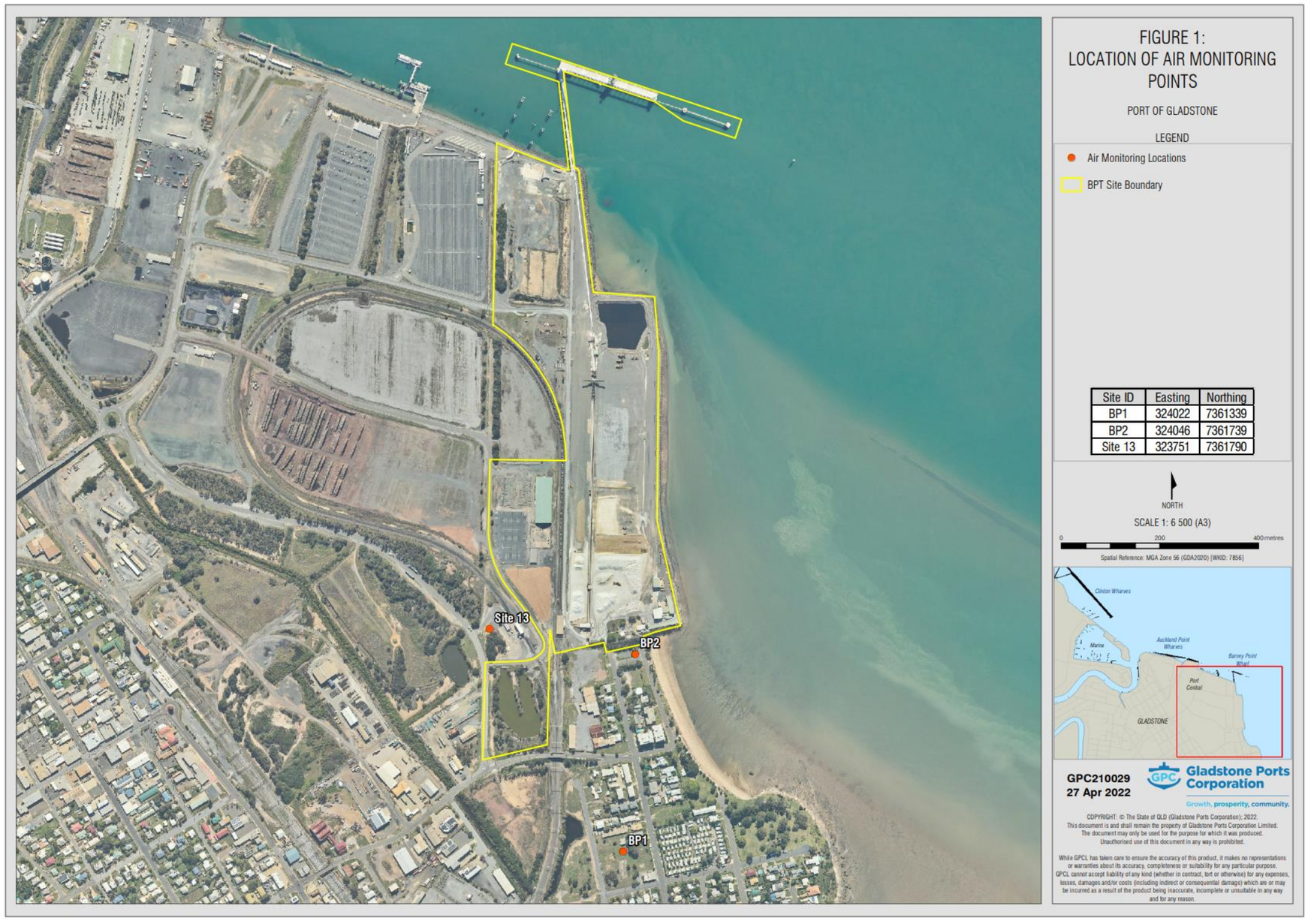


Figure 2: Stormwater discharge locations



Part 2

Environmentally relevant activities	Locations
ERA 8(3) Chemical storage – storing more than 500m^3 of chemicals of class C1 or C2 combustible liquids under AS 1940 or dangerous goods class 3 under subsection (1)(c). ERA16(3)(c) Extractive and screening activities – Screening, in a year, the following quantity of material – more than 1,000,000t. ERA 50(1)(a) Mineral and bulk material handling – loading or unloading 100t or more of minerals in day, other than loading or unloading mentioned in item 3, or storing 50,000t or more of minerals – within 5km of the highest astronomical tide or 1km of a watercourse. ERA 50(2) Mineral and bulk material handling – loading or unloading 100t or more of bulk materials in a day, other than loading or unloading mentioned in items 3, or storing bulk materials. ERA 62 (1)(d) Resource recovery and transfer facility operation – operating a facility for receiving and sorting, dismantling, baling or temporarily strong – category 1 regulated waste	**RG Tanna Coal Terminal, Bryan Jordan Drive and Gladstone, QLD, 4680** Lot 210/SP120888
ERA 50(1)(a) Mineral and bulk material handling – loading or unloading 100t or more of minerals in day, other than loading or unloading mentioned in item 3, or storing 50,000t or more of minerals – within 5km of the highest astronomical tide or 1km of a watercourse.	**RG Tanna Coal Terminal, Bryan Jordan Drive and Gladstone, QLD, 4680** Lot 250/SP178316, Lot 213/SP277322 and Lot 212/SP307521

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

Agency interest: General	
Condition number	**Condition**
P2-G1	All reasonable and practicable **measures** must be taken to prevent or minimise any environmental harm caused by the **activities**.
P2-G2	Any contravention of a condition of this environmental authority must be reported to the **administering authority** as soon as practicable, but no more than within 24 hours of becoming aware of the breach.
P2-G3	For any contravention of a condition of this environmental authority, an investigation must be carried out to determine the cause of the contravention and the investigation must include an assessment to determine the environmental impact of the contravention.

P2-G4	**Records** of any contravention of this environmental authority must be made including full details of the contravention and any subsequent actions taken in accordance with condition P2-G3.
P2-G5	Other than as permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.
P2-G6	All **records** required by the conditions of this environmental authority must be kept for a minimum of five years, and all **monitoring** results and underlying raw data must be kept until surrender of this environmental authority.
P2-G7	All **records** required by the conditions of this environmental authority must be provided to the **administering authority:** a) within the timeframe specified by the **administering authority**; and b) in the format requested by the **administering authority**.
P2-G8	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.
P2-G9	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (**NATA)** certification, or an equivalent certification, for such analyses. The only exception to this condition is for *in situ* **monitoring** of pH and dissolved oxygen
P2-G10	**You** must ensure that the results of all **monitoring** performed in accordance with this environmental authority for the period covered by the annual report is provided to the **administering authority** on request.
P2-G11	**You** shall submit with the annual report the following information: a) **throughput** tonnages for the annual return year; and b) air quality compliance **monitoring** results, and remedial actions undertaken to prevent or minimise any dust emissions.
P2-G12	Details of all **environmental complaints** received must be recorded including: a) date and time the complaint was received; and b) name and contact details of the complainant when provided by the complainant; and c) nature of the complaint; and d) investigations undertaken; and e) conclusions formed; and f) actions taken.
P2-G13	Written procedures must be developed which: a) identify all potential risks to the environment from the **activity**, including: i. during routine operations; and ii. outside routine operations; and iii. during closure; and

	iv. in an emergency; and b) identify **measures** to prevent or minimise the potential for environmental harm for each of the potential risks identified; and c) establish an inspection and maintenance program for plant and equipment including calibration and servicing that is in accordance with manufacturer's instructions; and d) establish a staff training program on obligations under this environmental authority and the *Environmental Protection Act 1994* to be conducted as part of staff inductions and at least annually thereafter; and e) establish processes to review environmental risks, incidents, performance and complaints.
P2-G14	Written procedures required by condition P2-G13 must be: a) implemented; and b) reviewed at least every two (2) years; and c) provided to the **administering authority** upon request and within a timeframe specified by the **administering authority**.
P2-G15	For plant and equipment, all **measures** necessary to comply with the conditions of this environmental authority must be: a) installed, operated and maintained in a proper and effective manner; and b) in accordance with the written procedure developed in accordance with condition P2-G13.
P2-G16	All **monitoring** devices must be effectively calibrated and maintained in accordance with manufacturers specifications.
P2-G17	The bulk material handling activity authorised by Part 2 of this environmental authority, must not exceed 80 million tonnes **throughput** per annum.
P2-G18	Chemicals and fuels in containers of greater than 15 litres must be stored within a **secondary containment system.**
P2–G19	Compliance with the conditions of this environmental authority and with the requirements of written procedures required under condition P2–G13 must be independently audited every two (2) years.
P2–G20	The audit(s) required by condition P2-G19 must be conducted by a suitably qualified third party auditor, nominated by **you** and accepted by the **administering authority.**
P2–G21	For the audit(s) required by condition P2-G19, **you** must submit a final version of the auditor's report to the **administering authority** within 5 business days of receiving the audit report. The report must be accompanied by a statutory declaration from the auditor, stating that the report accurately represents the findings of the auditor.
P2-G22	**You** must ensure that all automated **monitoring** instrumentation required by this environmental authority is operational for not less than 310 calendar days in any 365 calendar days, calculated on a rolling basis.
Agency interest: Air	

<table>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>P2-A1</td><td>Odours or airborne contaminants from the activity must not cause environmental nuisance to any sensitive place or commercial place.</td></tr>
<tr><td>P2-A2</td><td>A Dust Management Plan (DMP) must be prepared and implemented. The DMP must address at least the following matters:
a) The matters outlined in condition P2-G15 to P2-G17 as they relate to dust management;
b) Measures and work practices that will be implemented to minimise the generation or release of dust to air, including:
i. Control of dust from stockpiles and vacant land;
ii. Dust control at hoppers, conveyors, transfer points, wharves and loading/unloading equipment;
iii. The documented equipment associated with the management of fugitive dust emissions; and
iv. The design, construction, maintenance and operation of buildings, wharves, conveyors and transfer points;
c) Monitoring that will be carried out within or at the boundaries of the site; and
d) Staff training in the nature of coal types, control measures to be applied and accountability for controlling dust, with refresher training to be provided once every two (2) years.</td></tr>
<tr><td>P2-A3</td><td>An air monitoring program must be:
a) designed by an appropriately qualified person(s) to monitor the effects of the activity on air; and
b) undertaken at the frequency specified by Table 5: Air Monitoring Program by an appropriately qualified person(s).</td></tr>
<tr><td>P2-A4</td><td>The air monitoring program must:
a) be conducted in accordance with Table 5: Air Monitoring Program and associated requirements; and
b) include all quality characteristics required by Table 5: Air Monitoring Program; and
c) contaminants released to air from the activity must not exceed the release limits specified in Table 5: Air Monitoring Program.

Table 5: Air Monitoring Program
<table>
<tr><th>Indicator</th><th>Release Limit</th><th>Average Period</th><th>Monitoring Locations</th><th>Monitoring Frequency</th></tr>
<tr><td>Mass deposition rate of Combustible materials</td><td>1.0g/m^2/month of coal solids</td><td>30 calendar days ± 2</td><td>R1, R2, R3, R4, R5 shown in Figure 3: Air Monitoring Locations</td><td>Monthly</td></tr>
</table>
</td></tr>
</table>

	Particulate Matter less than 10µm in aerodynamic diameter (PM_{10})	50µg/m^3	24 hour average	Site 5 TEOM shown in ***Figure 3: Air Monitoring Locations***	Continuously Operational for not less than 310 calendar days in any 365 calendar days, calculated on a rolling basis
	Associated requirements 1. AS/NZS 3580.1.1:2016 Methods for sampling and analysis of ambient air, Part 1.1: Guide to siting air **monitoring** equipment; and 2. AS/NZS 3580.10.1:2016 Methods for sampling and analysis of air, Method 10.1: Determination of particulate matter – Deposited matter – Gravimetric method; and 3. AS/NZS 3580.9.8:2008 Methods for sampling and analysis of ambient air, Method 9.8: Determination of suspended particulate matter – PM_{10} continuous direct mass method using a tapered element oscillating microbalance analyser.				
P2-A5	It is not a contravention of condition P2-A4 if it can be shown that other site(s), not impacted by activities to which this environmental authority relates, but is representative of background conditions, is also in exceedance of these limits.				
P2–A6	In the event of a complaint about dust and particulate matter nuisance generated by activities on site, the registered operator will: a) where practical, change procedures to reduce the dust and particulate matter nuisance; and b) liaise with the complainant and/or **administering authority** over remedial action.				
P2-A7	Where the actions referred to in condition P2-A6 do not resolve the dust and particulate matter nuisance, and when requested by the **administering authority**, dust and particulate **monitoring** must: a) be carried out at places relevant to the potentially affected **sensitive place** or commercial place and at suitable representative reference site(s) unlikely to be affected by the **activity**; and b) take into account: i. locations of dust and particulate sources; and ii. locations of persons or sites potentially affected by any **release** of dust or particulate matter from the **activity**; and c) be carried out in accordance with the latest edition of the **administering authority**'s *Air Quality Sampling Manual 1997*; and d) be undertaken in conjunction with the recording of precipitation, wind speed and direction in accordance with the requirements of the relevant standards within AS3580.				
Agency interest: Water					

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<table>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>P2-W1</td><td>Contaminants (Settled and/or treated stormwater) must only be released to waters where they:
a) are from approved discharge locations; and
b) meet the release limits for each indicator; and
c) are monitored at the monitoring location and at the frequency; as stated in Table 6 – Contaminant monitoring, discharge location and release limits; and
d) the associated requirements are complied with.

Table 6 – Contaminant monitoring, discharge location and release limits
<table>
<tr><th rowspan="2">Monitoring Point</th><th rowspan="2">Quality Characteristics</th><th colspan="2">Release Limit</th><th rowspan="2">Monitoring Frequency</th></tr>
<tr><th>Minimum</th><th>Maximum</th></tr>
<tr><td rowspan="4">DP1, DP2, DP3, DP4, DP5 shown in Figure 4: Water Monitoring Locations</td><td>Dissolved Oxygen (mg/L)</td><td>2.0</td><td></td><td rowspan="4">Once per stormwater discharge event</td></tr>
<tr><td>pH</td><td>5.5</td><td>8.5</td></tr>
<tr><td>Suspended solids (mg/L)</td><td>-</td><td>40</td></tr>
<tr><td>Total Petroleum Hydrocarbons (mg/L)</td><td>-</td><td>10</td></tr>
<tr><td></td><td>Dissolved metals (Hg, Zn, Cu, Ag, Ni, Pb, Cr, Cd) and Sulfate (mg/L)</td><td>-</td><td>-</td><td>To be undertaken twice yearly and whenever pH is <6.5</td></tr>
</table>
Associated requirements
1) Monitoring must be in accordance with the methods prescribed in the current edition of the administering authority's Monitoring and Sampling Manual Environmental Protection (Water) Policy 2009; and
2) Water samples must be representative of the general condition of the water body.</td></tr>
<tr><td>P2-W2</td><td>Notwithstanding any other condition of this environmental authority, any release of contaminants to waters must not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectionable matter.</td></tr>
<tr><td>P2-W3</td><td>The controlled release of settled and/or treated stormwater must be conducted in a way and at a rate that does not cause:
a) re-suspension of particles; or
b) erosion of bed or banks of receiving waters; or
c) landscape damage; or
d) ponding of the water; or
e) vegetation damage.</td></tr>
</table>

P2-W4	Erosion protection **measures** and sediment control **measures** must be implemented and maintained to minimise: a) Erosion of soils in areas disturbed by activities; and b) The **release** of sediment to any **waters**.
P2-W5	The spillage of bulk products being loaded or unloaded, 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 such wastes, contaminants or material to any external stormwater drainage system, roadside gutter or **waters**.
P2-W6	All reasonable and practicable **measures** must be taken to prevent the spillage of bulk products from ship loaders to **waters**.
P2-W7	The holder of this environmental authority must develop an ambient water **monitoring** program. The ambient water **monitoring** program must be implemented. The ambient water **monitoring** program must address, as a minimum, water chemistry and biology for all of the **waters** impacted by the activities.
P2-W8	Other than as permitted by this environmental authority, the release of a contaminant to waters is not permitted.
Agency interest: Noise	
Condition number	**Condition**
P2-N1	Other than as permitted within this environmental authority, noise generated by the **activity** must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.
P2-N2	Noise generated by activities must not exceed the levels identified in *Table 7 – Noise limits* when measured in accordance with the associated **monitoring** requirements.

Table 7 – Noise limits

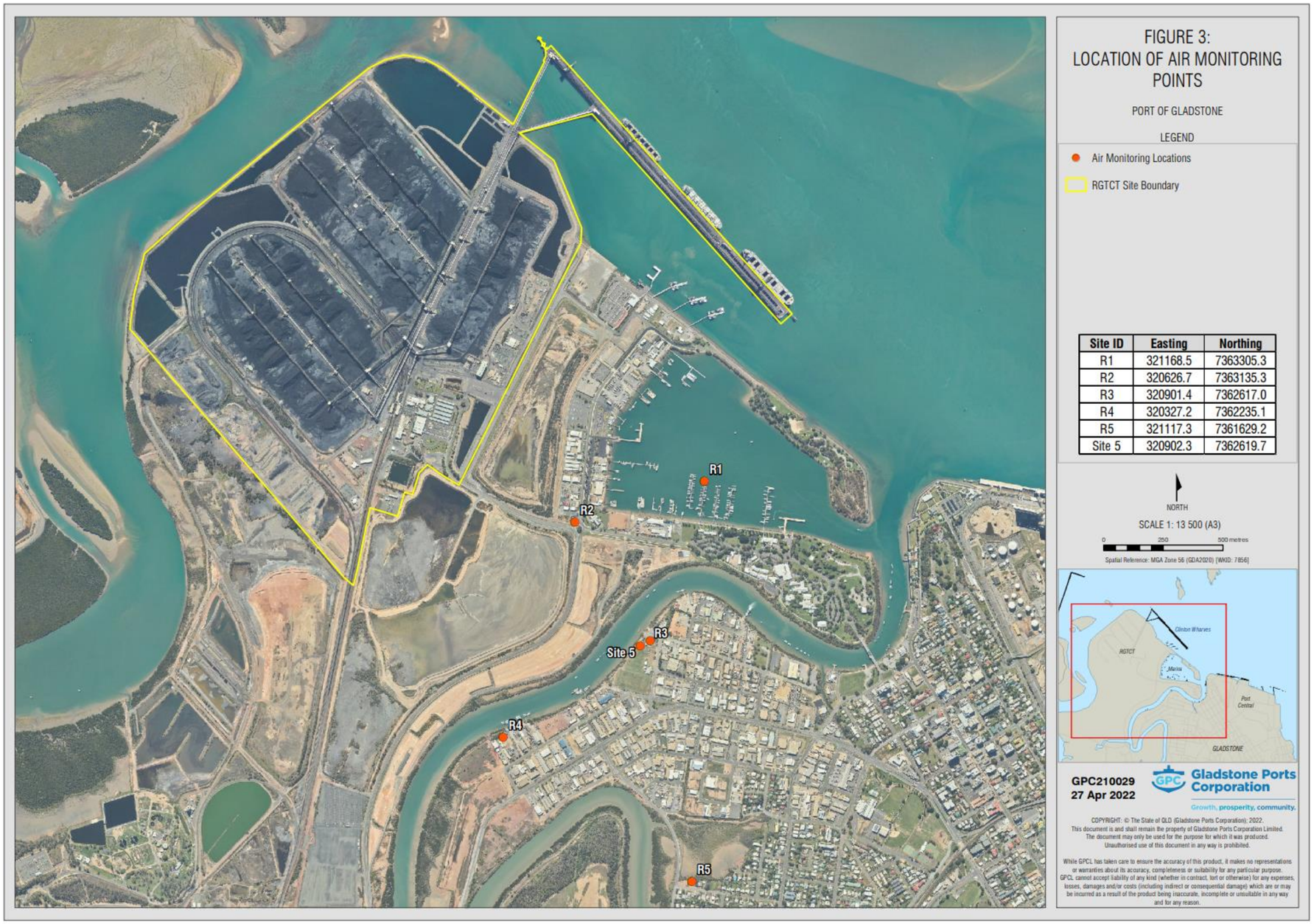
Noise Level dB(A) measured as	**Noise Measured at a Sensitive Place**					
	Monday to Saturday			**Sunday and Public Holidays**		
	7am to 6pm	**6pm to 10pm**	**10pm to 7am**	**9am to 6pm**	**6pm to 10pm**	**10pm to 9am**
$L_{A\ 10,\ adj,\ 10mins}$	65	55	50	65	55	50
$L_{A\ 1,\ adj,\ 10mins}$	70	60	55	70	60	55
Noise Level dB(A) measured as	**Noise Measured at a Commercial place**					
	Monday to Saturday			**Sunday and Public Holidays**		
	7am to 6pm	**6pm to 10pm**	**10pm to 7am**	**9am to 6pm**	**6pm to 10pm**	**10pm to 9am**
$L_{A\ 10,\ adj,}$	70	60	55	70	60	55

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	<table><tr><td>10mins</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>$L_{A\ 1,\ adj,}$ 10mins</td><td>75</td><td>65</td><td>60</td><td>75</td><td>65</td><td>60</td></tr></table> **Associated requirements** 1) Noise monitoring must be in accordance with the most recent version of the **administering authority**'s Noise Measurement Manual.
P2-N3	When required by the **administering authority**, noise **monitoring** must be undertaken, in accordance with the associated **monitoring** requirements of *Table 7 - Noise limits* in condition P2-N2, and the results notified within 10 business days to the **administering authority**. **Monitoring** must include: a) $L_{Aeq,\ adj,\ T}$; and b) Background noise (Background) as $L_{A\ 90,\ adj,\ T}$; and c) $MaxL_{pA,T}$; and d) the level and frequency of occurrence of any impulsive or tonal noise; and e) atmospheric conditions including wind speed and direction; and f) effects due to extraneous factors such as traffic noise; and g) location, date and time of recording.
Agency interest: Waste	
Condition number	**Condition**
P2-WT1	All waste generated by the **activity** must be lawfully reused or recycled, and/or lawfully removed to a facility that can lawfully accept the waste.
P2-WT2	Only **biosecurity waste** is permitted to be received at the site for storage and transfer.
P2-WT3	**Incompatible wastes** must not be mixed in the same container or waste storage area.
P2-WT4	**Biosecurity waste** must only be stored: a) in enclosed containers; and b) within a roofed area; and c) at or below 4 degrees within 48 hours of receival; and d) for a maximum of 90 days at the site.
Agency interest: Land	
Condition	
P2–L1	Treatment and management of acid sulfate soils must comply with the latest edition of the *Queensland Acid Sulfate Soil Technical Manual*.
P2–L2	**Land** that has been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that: a) suitable species of vegetation for the location are established and sustained for earthen surfaces; and b) potential for erosion is minimised; and

	c) the quality of water, including seepage, **released** from the site does not cause environmental harm; and d) potential for environmental nuisance caused by dust is minimised; and e) the water quality of any residual water body does not have potential to cause environmental harm; and f) the final landform is stable and protect public safety.
P2–L3	Rehabilitation of disturbed areas must take place progressively as works are staged and new works areas are commenced.
P2-L4	Contaminants must not be **released** to **land**.

Figure 3: Air Monitoring Locations



Site ID	Easting	Northing
R1	321168.5	7363305.3
R2	320626.7	7363135.3
R3	320901.4	7362617.0
R4	320327.2	7362235.1
R5	321117.3	7361629.2
Site 5	320902.3	7362619.7

Figure 4: Water Monitoring Locations



Part 3

Environmentally relevant activity	Location
ERA 57 Regulated waste transport – transporting regulated waste, other than end-of-life tyres (05 vehicles only)	State of Queensland

The conditions of approval for the environmentally relevant activity conducted at the location described above must be conducted in accordance with the standard conditions contained within the attached document entitled:

- Environmentally relevant activity standard, Regulated waste transport (ERA57) – Version 2 (ESR/2018/4202)

Definitions

Where a word or phrase in this document is **bolded**, it has its corresponding meaning that is defined below. Where a word or phrase in this document is **not bolded**, it has the meaning given to it in (in order of priority):

a) the *Environmental Protection Act 1994*, its regulations or its environmental protection policies;

b) *Environmental Offsets Act 2014*;

c) *Regional Planning Interests Act 2014*;

d) *Waste Reduction and Recycling Act 2011*;

e) *The Acts Interpretation Act 1954*;

f) the Macquarie Dictionary (taking account of the context in which the word or phrase is used in this document).

Defined words or phrases in the singular include the plural and vice versa.

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, Science, and Innovation (DESI) or its successor or predecessors.

Appropriately qualified person means a person or persons who has professional qualifications, training, skills and experience relevant to the environmental authority (EA) requirements and can give authoritative assessment, advice and analysis in relation to the EA requirements using the relevant protocols, standards, methods and/or literature.

Break Bulk means generalised cargo that is not containerised, but may be baled or in boxes, cases or drums, and may include goods such as timber, steel, steel pipe, pulp and machinery.

Biosecurity waste means –

a) waste that is goods subject to biosecurity control under the *Biosecurity Act 2015* (Cwlth); or

b) goods under the *Biosecurity Act 2015* (Cwlth) that are or were in contact with waste mentioned in paragraph (a).

Business day means a day that is not—

a) a Saturday or Sunday; or

b) a public holiday, special holiday or bank holiday in the place in which any relevant act is to be or may be done.

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 complaints means an expression of dissatisfaction, concern or report, whether written or verbal, about the **activity** and/or its impact on the environment

Environmental nuisance as defined under Chapter 1 of the *Environmental Protection Act 1994*.

Incompatible waste means waste that may chemically react when:

1) placed in proximity to other wastes and/or

2) mixed with other waste.

Impervious means a barrier with an in-situ permeability (K) of less than 10^{-9} ms^{-1}.

$L_{A\ 90,\ T}$ means the A-weighted sound pressure level exceeded for 90% of any 10 minute measurement period, using Fast response.

$L_{A\ 10,\ T}$ means the A-weighted sound pressure level exceeded for 10 % of any 10 minute measurement period, using Fast response.

$L_{A\ 1.\ T}$ means the A-weighted sound pressure level exceeded for 1 % of any 10 minute measurement period, using Fast response.

$L_{A\ 1,\ adj,\ 10mins}$ 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.

Land means land excluding waters and the atmosphere. For clarity, 'land' does not include: **impervious** surfaces, or within secondary containment systems.

Maximum means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

Minimum means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

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

Monitor, monitored, monitoring means monitoring the impact of an **activity** on the receiving environment and includes analysing, assessing, examining, inspecting, measuring, modelling or reporting any of the following matters—

a) the quantity, quality, characteristics, timing and variability of the release of any contaminant; and

b) the effectiveness of any control measure; and

c) the characteristics of, and impact on, the receiving environment; and

d) the effectiveness of remedial or rehabilitation measures (if applicable to the relevant monitoring requirement).

NATA means National Association of Testing Authorities.

Records include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

Release of a contaminant into the environment or **release** means to:

a) deposit, discharge, emit or disturb the contaminant; or

b) cause or allow the contaminant to be deposited, discharged, emitted or disturbed; or

c) fail to prevent the contaminant from being deposited, discharged emitted or disturbed; or

d) allow the contaminant to escape; or

e) fail to prevent the contaminant from escaping.

Secondary containment system means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, groundwater, or surface waters.

Sensitive place includes any of the following places:

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 2004* 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 2019; or

h) the area within the curtilage of any of the above places.

Stormwater discharge event means the discharge of stormwater following a minimum rainfall event of 5 mm in any one day from within:

a) For Part 1 of the environmental authority, the 'BPT Site Boundary' identified in **Figure 2: Stormwater discharge locations;**
b) For Part 2 of the environmental authority, the 'RGTCT Site Boundary' identified in **Figure 4: Water monitoring locations.**

Throughput means the amount of material or goods exported or imported from site.

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.

WaTERS is the Water Tracking and Electronic Reporting System database formally known as the Point Source Database.

You means the holder of the environmental authority.

24 hour average means the average of all measurements over a discrete 24 hour period (midnight-midnight).

END OF ENVIRONMENTAL AUTHORITY