# 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<br>40 Goondoon Street<br>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.<br><br>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.<br><br>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**<br><br>Lot 300/SP272314, Lot 301/SP256216 (Wharf), and Lot 10/SP257847 |
| ERA 8(3) Chemical storage – storing more than 500$m^3$ of chemicals of class C1 or C2 combustible liquids under AS 1940 or dangerous goods class 3 under subsection (1)(c).<br>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**<br><br>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.<br>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.<br>ERA 61(3)(a) Thermal waste reprocessing and treatment – thermally reprocessing or treating, in a year, the following quantity of category 1 regulated waste – 5,000t or less. | |
| 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**<br>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.

The anniversary day of this environmental authority is the same day each year as the original take effect date unless you apply to change the anniversary day. The payment of the annual fee will be due each year on this day. An annual return will be due each year on 01 April.

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.



Signature

21/06/2023

Date

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

**Enquiries:**
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Phone: 1300 130 372
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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.<br><br>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.<br><br>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**<br><br>Lot 300/SP272314, Lot 301/SP256216(Wharf), and Lot 10/SP257847 |

The environmentally relevant activity 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. |

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|---|---|
| P1-G7 | All **records** required by the conditions of this environmental authority must be provided to the **administering authority:**<br>a) within the timeframe specified by the **administering authority**; and<br>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:<br>a) **throughput** tonnages for the annual return year; and<br>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:<br>a) date and time the complaint was received; and<br>b) name and contact details of the complainant when provided by the complainant; and<br>c) nature of the complaint; and<br>d) investigations undertaken; and<br>e) conclusions formed; and<br>f) actions taken. |
| P1-G13 | Written procedures must be developed which:<br>a) identify all potential risks to the environment from the **activity**, including:<br>i. during routine operations; and<br>ii. outside routine operations; and<br>iii. during closure; and<br>iv. in an emergency; and<br>b) identify **measures** to prevent or minimise the potential for environmental harm for each of the potential risks identified; and<br>c) establish an inspection and maintenance program for plant and equipment including calibration and servicing that is in accordance with manufacturer's instructions; and<br>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:<br>a) implemented; and<br>b) reviewed at least every two years; and<br>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:<br>a) installed, operated and maintained in a proper and effective manner; and<br>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.<br><br>Table 1: Throughput limits<br><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>
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| | |
|---|---|
| | 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:<br>a) the matters outlined in condition P1-G15 to P1-G17 as they relate to dust management;<br>b) **measures** and work practices that will be implemented to minimise the generation or **release** of dust to air, including:<br>i. control of dust from stockpiles and vacant **land**;<br>ii. dust control at hoppers, conveyors, transfer points, wharves and loading/unloading equipment;<br>iii. the documented equipment associated with the management of fugitive dust emissions;<br>iv. and the design, construction, maintenance and operation of buildings, wharves, conveyors and transfer points;<br>c) **monitoring** that will be carried out within or at the boundaries of the site; and<br>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:<br>a) designed by an **appropriately qualified person(s)** to **monitor** the effects of the **activity** on air; and<br>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:<br>a) be conducted in accordance *with Table 2: Air Monitoring Program* and associated requirements; and<br>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<br>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.

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| 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:<br>a) where practical, change procedures to reduce the dust and particulate matter nuisance; and<br>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:<br>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:<br>a) are from approved discharge locations; and<br>b) meet the **release** limits for each indicator; and<br>c) are **monitored** at the **monitoring** location and at the frequency as stated in *Table 3 – Contaminant monitoring, discharge location and **release** limits;* and<br>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><br>**Associated requirements**<br>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<br>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:<br>a) re-suspension of particles; or<br>b) erosion of bed or banks of receiving **waters**; or<br>c) landscape damage; or<br>d) ponding of the water; or<br>e) vegetation damage. |
| P1-W4 | Erosion protection **measures** and sediment control **measures** must be implemented and maintained to minimise:<br>a) erosion of soils in area disturbed by the activities; and<br>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 4 – Noise limits**

| Noise Level at a Sensitive place, measured as the Adjusted Maximum Sound Pressure Level L Amax, adj, T [dB(A)] | Period |
|---|---|
| 54 dB(A) | 7 am – 10 pm |
| 52 dB(A) | 10 pm – 7 am |
| **Noise Level at a Commercial place, measured as the Adjusted Maximum Sound Pressure Level L Amax, adj, T [dB(A)]** | **Period** |
| 59 dB(A) | 7 am – 10 pm |
| 57 dB(A) | 10 pm – 7 am |

**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.

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| P1-N3 | 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:<br>a) $L_{Aeq, adj, T}$; and<br>b) Background noise (Background) as $L_{A\ 90, adj, T}$; and<br>c) $MaxL_{pA,T}$; and<br>d) the level and frequency of occurrence of any impulsive or tonal noise; and<br>e) atmospheric conditions including wind speed and direction; and<br>f) effects due to extraneous factors such as traffic noise; and<br>g) location, date and time of recording. |
| **Agency interest: Waste** | |
| **Condition number** | **Condition** |
| P1-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. |

| **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:<br>a) suitable species of vegetation for the location are established and sustained for earthen surfaces; and<br>b) potential for erosion is minimised; and<br>c) the quality of water, including seepage, **released** from the site does not cause environmental harm; and<br>d) potential for environmental nuisance caused by dust is minimised; and<br>e) the water quality of any residual water body does not have potential to cause environmental harm; and<br>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**

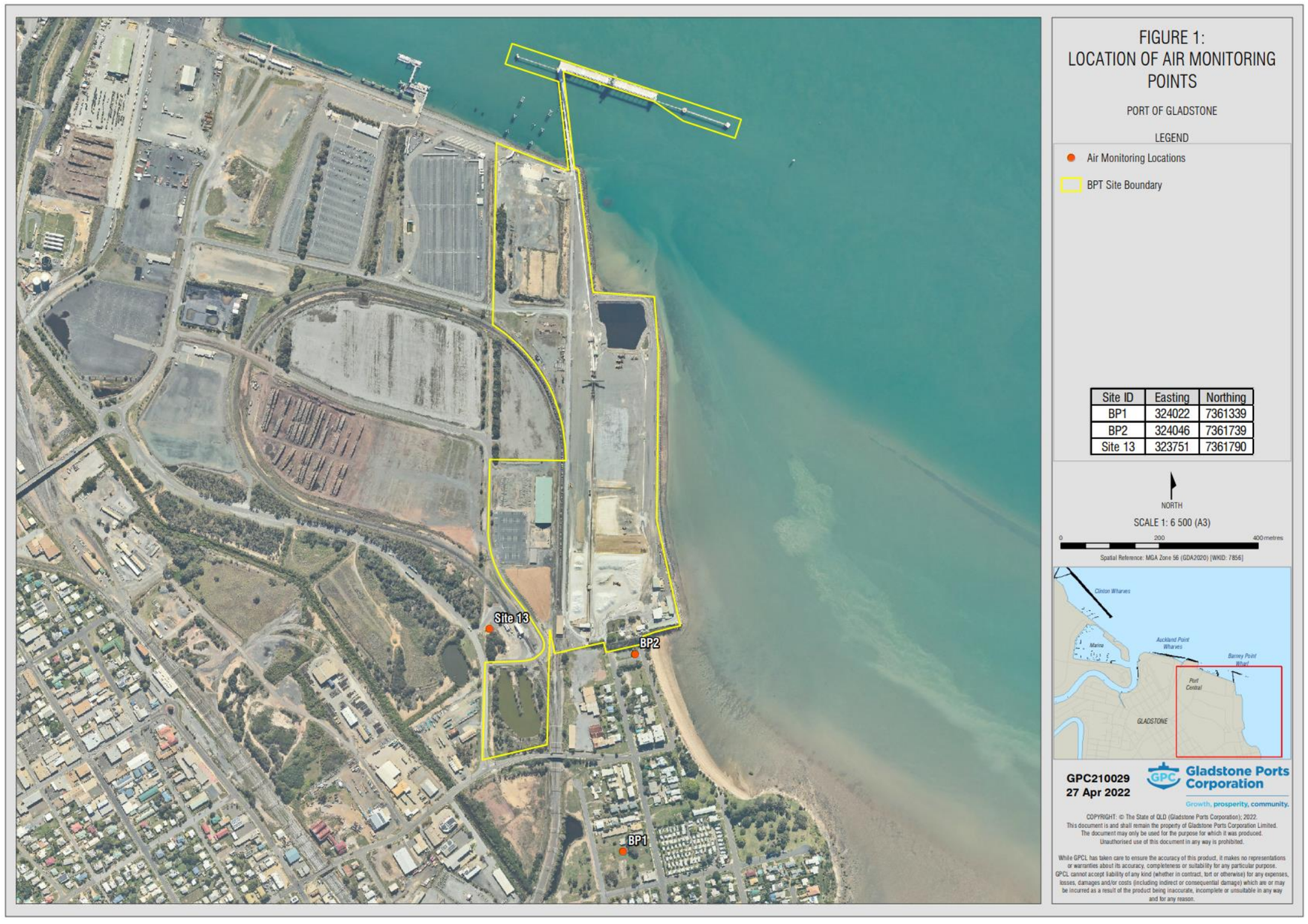


**Figure 2: Stormwater discharge locations**



**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).<br>ERA16(3)(c) Extractive and screening activities – Screening, in a year, the following quantity of material – more than 1,000,000t.<br>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.<br>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.<br>ERA 61(3)(a) Thermal waste reprocessing and treatment – thermally reprocessing or treating, in a year, the following quantity of category 1 regulated waste – 5,000t or less. | **RG Tanna Coal Terminal, Bryan Jordan Drive and Gladstone, QLD, 4680**<br>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**<br>Lot 250/SP178316, Lot 213/SP277322 and Lot 212/SP307521 |

The environmentally relevant activity 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** |
| 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:**<br>a) within the timeframe specified by the **administering authority**; and<br>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:<br>a) **throughput** tonnages for the annual return year; and<br>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:<br>a) date and time the complaint was received; and<br>b) name and contact details of the complainant when provided by the complainant; and<br>c) nature of the complaint; and<br>d) investigations undertaken; and<br>e) conclusions formed; and<br>f) actions taken. |
| P2-G13 | Written procedures must be developed which:<br>a) identify all potential risks to the environment from the **activity**, including:<br>i. during routine operations; and<br>ii. outside routine operations; and<br>iii. during closure; and |

| | |
|---|---|
| | iv. in an emergency; and<br>b) identify **measures** to prevent or minimise the potential for environmental harm for each of the potential risks identified; and<br>c) establish an inspection and maintenance program for plant and equipment including calibration and servicing that is in accordance with manufacturer's instructions; and<br>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<br>e) establish processes to review environmental risks, incidents, performance and complaints. |
| P2-G14 | Written procedures required by condition P2-G13 must be:<br>a) implemented; and<br>b) reviewed at least every two (2) years; and<br>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:<br>a) installed, operated and maintained in a proper and effective manner; and<br>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></td><td></td></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:<br>a) The matters outlined in condition P2-G15 to P2-G17 as they relate to dust management;<br>b) Measures and work practices that will be implemented to minimise the generation or release of dust to air, including:<br>i. Control of dust from stockpiles and vacant land;<br>ii. Dust control at hoppers, conveyors, transfer points, wharves and loading/unloading equipment;<br>iii. The documented equipment associated with the management of fugitive dust emissions; and<br>iv. The design, construction, maintenance and operation of buildings, wharves, conveyors and transfer points;<br>c) Monitoring that will be carried out within or at the boundaries of the site; and<br>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:<br>a) designed by an appropriately qualified person(s) to monitor the effects of the activity on air; and<br>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:<br>a) be conducted in accordance with Table 5: Air Monitoring Program and associated requirements; and<br>b) include all quality characteristics required by Table 5: Air Monitoring Program; and<br>c) contaminants released to air from the activity must not exceed the release limits specified in Table 5: Air Monitoring Program.<br><br>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:</td><td>Monthly</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td></td><td>
<table>
<tr><td></td><td></td><td></td><td>Air Monitoring Locations</td><td></td></tr>
<tr><td>Particulate Matter less than 10µm in aerodynamic diameter ($PM_{10}$)</td><td>50µg/$m^3$</td><td>24 hour average</td><td>Site 5 TEOM shown in Figure 3: Air Monitoring Locations</td><td>Continuously<br>Operational for not less than 310 calendar days in any 365 calendar days, calculated on a rolling basis</td></tr>
</table>
Associated requirements<br>
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<br>
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<br>
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.
</td></tr>
<tr><td>P2-A5</td><td>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.</td></tr>
<tr><td>P2–A6</td><td>In the event of a complaint about dust and particulate matter nuisance generated by activities on site, the registered operator will:<br>
a) where practical, change procedures to reduce the dust and particulate matter nuisance; and<br>
b) liaise with the complainant and/or administering authority over remedial action.</td></tr>
<tr><td>P2-A7</td><td>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:<br>
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<br>
b) take into account:<br>
i. locations of dust and particulate sources; and<br>
ii. locations of persons or sites potentially affected by any release of dust or particulate matter from the activity; and<br>
c) be carried out in accordance with the latest edition of the administering authority's Air Quality Sampling Manual 1997; and</td></tr>
</table>

<table>
<tr><td></td><td>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.</td></tr>
<tr><td colspan="2">Agency interest: Water</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>P2-W1</td><td>Contaminants (Settled and/or treated stormwater) must only be released to waters where they:<br>a) are from approved discharge locations; and<br>b) meet the release limits for each indicator; and<br>c) are monitored at the monitoring location and at the frequency; as stated in Table 6 – Contaminant monitoring, discharge location and release limits; and<br>d) the associated requirements are complied with.<br><br>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<br>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<br>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:<br>a) re-suspension of particles; or</td></tr>
</table>

<table>
<tr><td></td><td>b) erosion of bed or banks of receiving waters; or<br>c) landscape damage; or<br>d) ponding of the water; or<br>e) vegetation damage.</td></tr>
<tr><td>P2-W4</td><td>Erosion protection measures and sediment control measures must be implemented and maintained to minimise:<br>a) Erosion of soils in areas disturbed by activities; and<br>b) The release of sediment to any waters.</td></tr>
<tr><td>P2-W5</td><td>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.</td></tr>
<tr><td>P2-W6</td><td>All reasonable and practicable measures must be taken to prevent the spillage of bulk products from ship loaders to waters.</td></tr>
<tr><td>P2-W7</td><td>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.</td></tr>
<tr><td colspan="2">Agency interest: Noise</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>P2-N1</td><td>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.</td></tr>
<tr><td>P2-N2</td><td>Noise generated by activities must not exceed the levels identified in Table 7 – Noise limits when measured in accordance with the associated monitoring requirements.<br>Table 7 – Noise limits
<table>
<tr><th rowspan="3">Noise Level dB(A) measured as</th><th colspan="6">Noise Measured at a Sensitive Place</th></tr>
<tr><th colspan="3">Monday to Saturday</th><th colspan="3">Sunday and Public Holidays</th></tr>
<tr><th>7am to 6pm</th><th>6pm to 10pm</th><th>10pm to 7am</th><th>9am to 6pm</th><th>6pm to 10pm</th><th>10pm to 9am</th></tr>
<tr><td>$L_{A\ 10,\ adj,\ 10mins}$</td><td>65</td><td>55</td><td>50</td><td>65</td><td>55</td><td>50</td></tr>
<tr><td>$L_{A\ 1,\ adj,\ 10mins}$</td><td>70</td><td>60</td><td>55</td><td>70</td><td>60</td><td>55</td></tr>
<tr><th rowspan="3">Noise Level dB(A) measured</th><th colspan="6">Noise Measured at a Commercial place</th></tr>
<tr><th colspan="3">Monday to Saturday</th><th colspan="3">Sunday and Public Holidays</th></tr>
<tr><th>7am to</th><th>6pm to</th><th>10pm to</th><th>9am to</th><th>6pm to</th><th>10pm to</th></tr>
</table></td></tr>
</table>



Queensland Government

| | |
|---|---|
| | <table><tr><th>as</th><th>6pm</th><th>10pm</th><th>7am</th><th>6pm</th><th>10pm</th><th>9am</th></tr><tr><td>$L_{A\ 10,\ adj,\ 10mins}$</td><td>70</td><td>60</td><td>55</td><td>70</td><td>60</td><td>55</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><br>**Associated requirements**<br>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:<br>a) $L_{Aeq,\ adj,\ T}$; and<br>b) Background noise (Background) as $L_{A\ 90,\ adj,\ T}$; and<br>c) $Max L_{pA,T}$; and<br>d) the level and frequency of occurrence of any impulsive or tonal noise; and<br>e) atmospheric conditions including wind speed and direction; and<br>f) effects due to extraneous factors such as traffic noise; and<br>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. |
| **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:<br>a) suitable species of vegetation for the location are established and sustained for earthen surfaces; and<br>b) potential for erosion is minimised; and<br>c) the quality of water, including seepage, **released** from the site does not cause environmental harm; and<br>d) potential for environmental nuisance caused by dust is minimised; and<br>e) the water quality of any residual water body does not have potential to cause environmental harm; and<br>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**

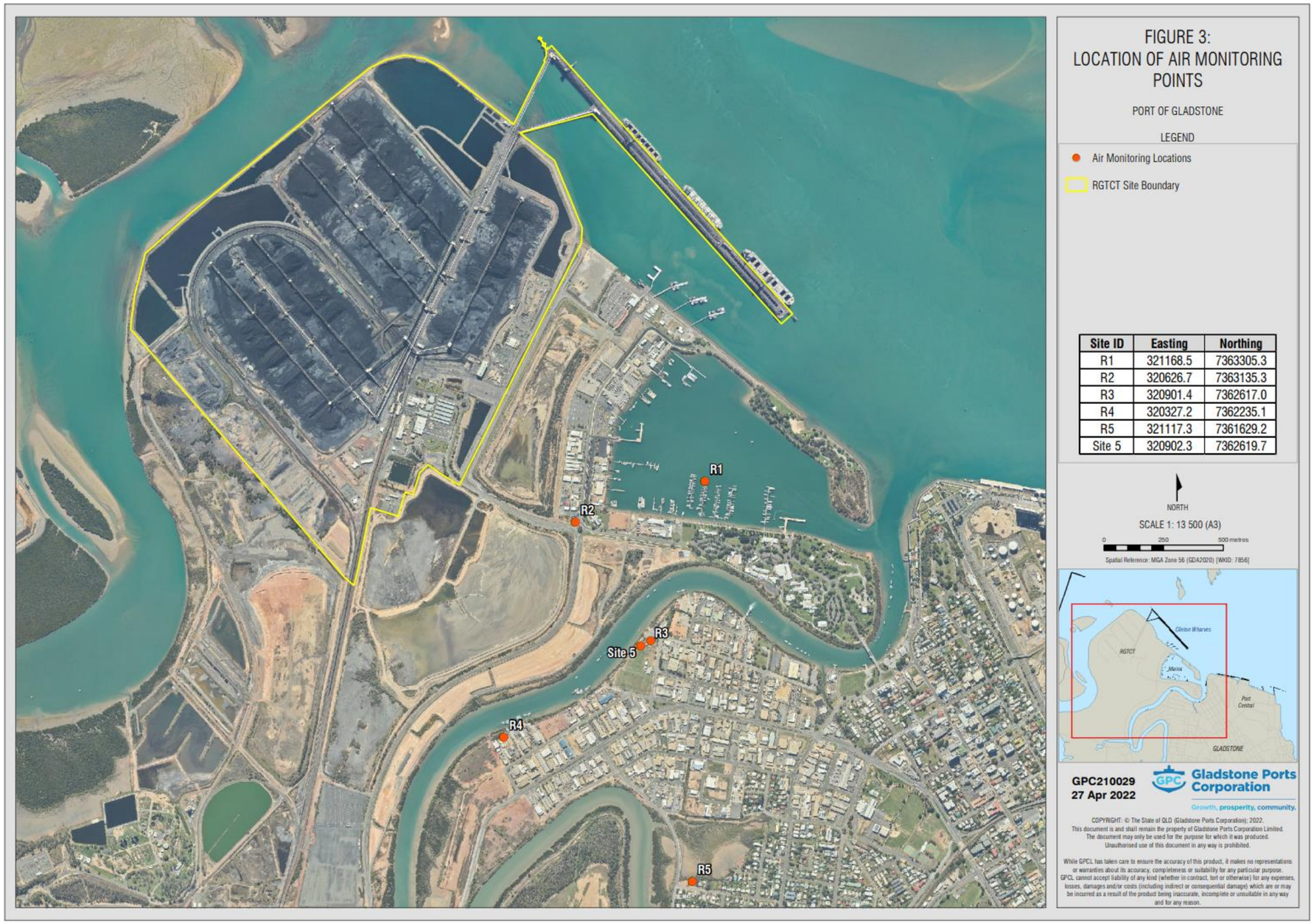



FIGURE 3:
LOCATION OF AIR MONITORING POINTS

PORT OF GLADSTONE

LEGEND

Air Monitoring Locations

RGTCT Site Boundary

| 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 |

NORTH

SCALE 1: 13 500 (A3)

0 250 500 metres

Spatial Reference: MGA Zone 56 (GDA2020) [WKID: 7856]




GPC210029
27 Apr 2022

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Growth, prosperity, community.

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**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 and Science (DES) 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.

**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*.

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

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

$\mathbf{L_{A\ 10,\ T}}$ 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**

# Environmentally relevant activity standard
# Regulated waste transport (ERA 57) – Version 2

This document provides eligibility criteria and standard conditions for environmentally relevant activity (ERA) 57 – regulated waste transport in a vehicle if the relevant activity is:

- transporting end-of-life tyres; or
- transporting regulated waste, other than end-of-life tyres.

## Eligibility criteria

Eligibility criteria are constraints set to ensure environmental risks associated with the operation of the ERA are able to be managed by the standard conditions. Eligibility criteria set out the circumstances in which a standard or variation application for an environmental authority can be made.

## Standard conditions

Standard conditions are the minimum operating requirements an environmental authority holder must comply with.

## Standard applications

If an applicant can meet all of the eligibility criteria and standard conditions, then they can make a standard application.

## Variation applications

If an applicant can meet all of the eligibility criteria but needs to vary one or more of the standard conditions to suit their operational needs, then they can make a variation application.

## Site specific applications

Applicants who cannot meet the eligibility criteria must make a site specific application.

## Amendment applications

If the holder of an environmental authority needs to amend or add a condition in the issued environmental authority, then the holder must make an amendment application.

## How to apply

The Queensland Government's Business Queensland website at www.business.qld.gov.au/ea has information on the standard, variation, site-specific and amendment application processes.

You can apply online through Connect at www.qld.gov.au/environmentconnect.

Alternatively email palm@des.qld.gov.au or phone 1300 130 372 (and select option 4) to obtain an application form to complete and submit.

## Definitions

Some terms used in this document are defined in Appendix 1.



Queensland Government

## Version history

| Version | Date | Description of changes |
|---|---|---|
| 1 | 29 June 2018 | Eligibility criteria and standard conditions take effect |
| 2 | 01 July 2019 | Minor updates including details of how to apply and the availability of forms, departmental name, legislative title (*Planning Act 2016*), description of ERA thresholds, definition of regulated waste and adding a version history. |

## Eligibility criteria

| Eligibility criteria category | Eligibility criteria |
|---|---|
| Activity general | • **Regulated waste** is transported by **vehicles** |

## Standard conditions

| Conditions |
|---|
| **General** |
| G1: All reasonable steps must be taken to ensure the **activity** complies with the eligibility criteria. |
| G2: The **activity** must be undertaken by **vehicles** whose registration details must be provided to the administering authority before commencing the activity. The administering authority must be notified within 10 business days of any change to the **vehicle** registration details. |
| G3: The activity is undertaken by **vehicles** which are covered by a policy of insurance or other form of indemnity, for a sum that is not less than $100,000, in respect of:<br>a) personal injury, death, property damage and other damage (except consequential economic loss) arising out of fire, explosion, leakage or spillage of dangerous goods in, on or from the **vehicle** or a container on the **vehicle**; and<br>b) costs incurred by or on behalf of a Commonwealth, State or Territory government authority in a clean-up resulting from any event of the kind referred to in subparagraph a) of this condition. |
| G4: Any breach of a condition of this environmental authority must be reported to the **administering authority** as soon as practicable within 24 hours of becoming aware of the breach. **Records** must be kept including full details of the breach and any subsequent actions taken. |
| G5: The **activity** must be undertaken in accordance with written procedures that:<br>a) identify potential risks to the environment from the activity during routine operations and emergencies; and<br>b) establish and maintain control **measures** that minimise the potential for environmental harm; and<br>c) ensure plant, equipment and **measures** are maintained in a proper and effective condition; and<br>d) ensure plant, equipment and **measures** are operated in a proper and effective manner; and<br>e) ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994* ; and<br>f) ensure that reviews of environmental performance are undertaken and recorded at least annually. |
| G6: The activity must not cause **environmental nuisance** at a **sensitive place**. |
| G7: All **records** required by conditions of this authority must be kept for at least five years and provided to the **administering authority** within 10 business days upon its request. |
| G8: When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority** to investigate a complaint of **environmental nuisance** arising from the **activity**. The monitoring results must be provided within 10 business days to the **administering authority** upon its request. |
| G9: All **vehicles**, including tanks, containers and secondary containers used to transport **regulated waste** must be:<br>a) maintained at all times to prevent any spillage or leakage of **regulated waste** or other **contaminants**; and<br>b) kept free of **regulated waste** residues at all times when not in use; and<br>c) must be effectively cleaned and, where used for transporting **clinical waste**, must be disinfected before reuse. |

| **Conditions** |
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| G10: At all times, a copy of:<br>a) this environmental authority issued by the **administering authority** for **regulated waste** transport activities; and<br>b) the appropriate emergency guides in relation to the waste transported<br>must be carried in the cabin of each **vehicle** used to transport **regulated waste** and when requested, be presented to an authorised officer of the **administering authority** or relevant **regulatory agency** of the State or Territory in which the **vehicle** is travelling.<br>*Note: Standards Australia publish numerous guides including HB 76-2004 Dangerous Goods – Initial emergency response guide, and emergency procedure guides (AS1678 Series) which are available from SAI Global Business Publishing. Further, when developing emergency guides in relation to PCB's, reference should be made to the United States Environmental Protection Agency 40CFP Part 761: Polychlorinated biphenyls: notification and manifesting for PCB waste activities: clause number 761.125* |
| G11: When transporting **regulated waste**:<br>a) any **regulated waste** not contained within weatherproof packages must be covered during transport to contain the load and protect it from wind and rain; and<br>b) all **regulated waste** containers must be mounted securely to the vehicle and contained within the tray of the **vehicle**. |
| G12: When transporting **packaged regulated waste**, the top of any container must not protrude above the sides or gates of the vehicle by more than 30% of the height of the container. |
| G13: **Road tank vehicles** must:<br>a) be constructed to minimise instability and risk of rollover; and<br>b) be provided with roll-over protection to protect all tanks, components and fittings on the upper and side surfaces of the tank in the event of the vehicle rolling over or becoming inverted; and<br>c) be provided with an effective bumper and/or barrier system to protect the tank and fittings from rear impact. |
| **Waste** |
| W1: Waste transported under the **activity** must be contained within a suitably designed waste containment structure that is constructed, operated and maintained in accordance with accepted engineering standards currently appropriate for the purpose for which the structure is intended to be used. |
| W2: **Regulated waste** must not be removed or released from the **vehicle** other than:<br>a) for the purpose of consolidating grease trap and/or other oily wastes; or<br>b) at a facility that can lawfully accept the waste. |
| W3: **Incompatible wastes** must not be placed in the same container or transported in such a way that mixing may occur. |
| W4: A record of all **regulated waste** (excluding trackable waste) must be kept detailing the following information for every load of waste transported:<br>a) date of pickup of waste, including where loads are consolidated;<br>b) description of waste;<br>c) quantity of waste;<br>d) origin of the waste; and<br>e) destination of the waste.<br>*Note: Additional waste tracking requirements apply to the transportation of trackable waste in accordance with the Environmental Protection Regulation 2008.* |

| **Conditions** |
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| W5: All **asbestos waste** transported must be:<br>a) double bagged and **sealed** in heavy duty polythene bags (minimum 200 µm thickness); or<br>b) **sealed** in drums or bins that are lined with heavy-duty plastic (minimum 200 µm thickness); or<br>c) where the volume or size of **asbestos waste** (e.g. large asbestos cement sheets) is greater than the volume or size of a bag, drum or bin:<br>i. for **friable asbestos waste**, **sealed** in double lined heavy-duty plastic sheeting (minimum 200 µm thickness) prior to being placed into a waste skip, **vehicle** tray or similar container; or<br>ii. for **non-friable asbestos waste**, placed in a waste skip, **vehicle** tray or similar container that has been double lined with heavy duty plastic sheeting (minimum 200 µm thickness) and kept damp, and then **sealed** within the plastic sheeting. |
| W6: All **asbestos waste** transported must be labelled with a warning statement to indicate the presence of asbestos and that dust creation and inhalation needs to be avoided. |
| W7: All **particulate lead waste** must be:<br>a) double bagged and sealed in heavy duty polythene bags (minimum 200 µm thickness), and placed in containers on the **vehicle**; and<br>b) labelled to indicate the presence of lead and with appropriate lead **risk phrase** and **safety phrase**. |
| W8: All **clinical** and **related waste** must be provided with a rigid **secondary containment system** during transport. |
| W9: **Vehicles** and load compartments must be locked when unattended. |

# Appendix 1: Terms and definitions

| Term | Definition |
|---|---|
| Activity | means the environmentally relevant activity to which this environmental authority relates. An activity may be undertaken on the whole or a part of a site. |
| ADG Code | means the *Australian code for the transport of dangerous goods by road and rail, 7th edition*, or more recent versions as they become available. |
| Administering authority | means the Department of Environment and Science or its successor. |
| Asbestos-containing material | means any material, object, product or debris that contains asbestos. |
| Asbestos waste | means all removed **asbestos-containing materials** and disposable items used during the asbestos removal work, such as plastic sheeting used for an enclosure or to cover surfaces in the asbestos work area, disposable coveralls, disposable respirators and rags used for cleaning etc. |
| Clinical waste | means waste that has the potential to cause disease including, for example, the following:<br>a) animal waste;<br>b) discarded sharps;<br>c) human tissue waste; and<br>d) laboratory waste. |
| Combination vehicle | means a road vehicle that includes one or more trailers. |
| 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. |
| Contaminant(s) | as defined in Section 11 of the *Environmental Protection Act 1994.* |
| Environmental harm | as defined in Section 14 of the *Environmental Protection Act 1994.* |
| Environmental nuisance | as defined in Section 15 of the *Environmental Protection Act 1994.* |
| Friable asbestos waste | means asbestos-containing material that is in powder form or which, when dry, is or may become crumbled, pulverised or reduced to powder by hand pressure. |
| Incompatible waste | means waste that may chemically react when:<br>a) placed in proximity to other wastes; and/or<br>b) mixed with other wastes. |
| Land | means land excluding waters and the atmosphere. |
| Measures | has the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competencies. |

| Term | Definition |
|---|---|
| Minimise | means minimise by taking all reasonable and practical measures to minimise the adverse effect having regard to the following matters:<br>a) the nature of the harm or potential harm<br>b) the sensitivity of the receiving environment<br>c) the current state of technical knowledge for the activity<br>d) the likelihood of successful application of different measures that might be taken to minimise the adverse effects<br>e) the financial implications of the different measures as they would relate to the type of activity<br>f) if the adverse effect is caused by the location of the activity being carried out, whether it is feasible to carry out the activity at another location. |
| Non-friable asbestos waste | means asbestos-containing material that is not **friable asbestos waste**, including material containing asbestos fibres reinforced with a bonding compound. |
| Sealed | means fully contained within. Where polythene sheeting has been used, adhesive tape should be applied to the entire length of every overlap. |
| Sensitive place | includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:<br>a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or<br>b) a motel, hotel or hostel; or<br>c) a kindergarten, school, university or other educational institution; or<br>d) a medical centre or hospital; or<br>e) a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or<br>f) a public park or garden; or<br>g) for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008. |
| Packaged regulated waste | means **regulated waste** in a container with:<br>a) a capacity of not more than 450 litres; and<br>b) a net mass of not more than 400 kilograms. |
| Particulate lead waste | means lead waste that is capable of becoming airborne or unable to be easily recovered if a spill occurs during transport. Examples include waste from foundry filters and lead based paint residues. |
| Records | includes breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this environmental authority. |
| Regulated waste | As defined in Section 64 of the *Environmental Protection Regulation 2008.* |
| Regulatory agency | means the agency of a State or Territory that has responsibility for regulating the transport of regulated wastes in that State or Territory. |
| Related waste | means waste that constitutes, or is contaminated with, chemicals, cytotoxic drugs, human body parts, pharmaceutical products or radioactive substances. |

| Term | Definition |
|---|---|
| Risk phrase | means a phrase stated in the National Occupational Health and Safety Commission's document entitled *National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]*, or more recent versions, that gives information about the substance's hazards. |
| Road tank vehicle | means a truck, trailer or semi-trailer or unit in a road train, incorporating a tank, or having a tank or tanks mounted thereon, either permanently or temporarily (as defined in AS 2809.1–2008 — road tank vehicles for dangerous goods). |
| Safety phrase | means a phrase stated in National Occupational Health and Safety Commission's document entitled *National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]*, or more recent versions, that gives information about:<br>a) the safe use of the substance; or<br>b) the personal protective equipment for the substance. |
| 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. |
| Vehicle | Means a road vehicle including an articulated or combination vehicle, and does not include a train, boat or aircraft. |
| 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. |

# Appendix 2: General obligations for environmental authority holders

This appendix is not intended to provide a comprehensive assessment of all obligations under Queensland law. It provides some general information and holders are encouraged to familiarise themselves with all requirements related to their specific operation.

## Responsibilities under the *Environmental Protection Act 1994*

Separate to the requirements of the eligibility criteria and standard conditions, the holder of the environmental authority must also meet their obligations under the *Environmental Protection Act 1994*, and the regulations made under that Act. For example, the holder must be aware of the following provisions of the *Environmental Protection Act 1994* which may apply unless the environmental harm is authorised by the conditions of the environmental authority.

### General environmental duty

Section 319 of the *Environmental Protection Act 1994* states that we all have a general environmental duty. This means that we are all responsible for the actions we take that affect the environment. We must not carry out any activity that causes, or is likely to cause, environmental harm unless we take all reasonable and practicable measures to prevent or minimise the harm. To decide what meets your general environmental duty, you need to consider:

- the nature of the harm or potential harm
- the sensitivity of the receiving environment
- the current state of technical knowledge for the activity
- the likelihood of successful application of the different measures to prevent or minimise environmental harm that might be taken
- the financial implications of the different measures as they would relate to the type of activity.

It is not an offence not to comply with the general environmental duty. However, maintaining your general environmental duty is a defence against the following acts:

(a) an act that causes serious or material environmental harm or an environmental nuisance

(b) an act that contravenes a noise standard

(c) a deposit of a contaminant, or release of stormwater run-off, mentioned in section 440ZG.

More information is available on the Department of Environment and Science website www.des.qld.gov.au.

### Duty to notify

Section 320A of the *Environmental Protection Act 1994* explains the duty to notify. The duty to notify applies to all persons and requires a person or company to give notice where serious or material environmental harm is caused or threatened. Notice must be given of the event, its nature and the circumstances in which the event happened. Notification can be verbal, written or by public notice depending on who is notifying and being notified.

The duty to notify arises where:

- a person carries out activities or becomes aware of an act of another person arising from, or connected to, those activities that causes or threatens serious or material environmental harm
- while carrying out a resource activity, other than a mining activity, a person becomes aware of the happening of one or both of the following events:
  - the activity negatively affects (or is reasonably likely to negatively affect) the water quality of an aquifer
  - the activity has caused the unauthorised connection of two or more aquifers.
- the owner or occupier of contaminated land or an auditor performing an auditor's function (as defined in section 568(b) of the *Environmental Protection Act 1994*) becomes aware of:
  - the happening of an event involving a hazardous contaminant on the contaminated land; or

- a change in the condition of the contaminated land; or
- a notifiable activity having been carried out, or being carried out, on the contaminated land;

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For more information on the duty to notify requirements refer to the guideline 'Duty to notify of environmental harm' (ESR/2016/2271).

## Some relevant offences under the *Environmental Protection Act 1994*

### Non-compliance with a condition of an environmental authority (section 430)

Section 430 of the *Environmental Protection Act 1994* requires that a person who is the holder of, or is acting under, an environmental authority must not wilfully contravene, or contravene a condition of the authority.

### Environmental authority holder responsible for ensuring conditions complied with (section 431)

Section 431 of the *Environmental Protection Act 1994* requires that the holder of an environmental authority must ensure everyone acting under the authority complies with the conditions of the authority. If another person acting under the authority commits an offence against section 430, the holder also commits an offence, namely, the offence of failing to ensure the other person complies with the conditions.

### Causing serious or material environmental harm (sections 437–39)

Material environmental harm is when the harm is not trivial or negligible in nature. Serious environmental harm is harm that is irreversible, of a high impact or widespread, or that is caused to an area of high conservation value or special significance.

Serious or material environmental harm excludes environmental nuisance.

### Causing environmental nuisance (section 440)

Environmental nuisance is unreasonable interference with an environmental value caused by aerosols, fumes, light, noise, odour, particles or smoke. It may also include an unhealthy, offensive or unsightly condition because of contamination.

### Depositing a prescribed water contaminant in waters (section 440ZG)

Prescribed water contaminants include a wide variety of contaminants listed in Schedule 9 of the Environmental Protection Regulation 2008.

It is your responsibility to ensure that prescribed water contaminants are not left in a place where they may or do enter a waterway, the ocean or a stormwater drain. This includes making sure that stormwater falling on or running across your site does not leave the site contaminated. Where stormwater contamination occurs you must ensure that it is treated to remove contaminants. You should also consider where and how you store material used in your processes onsite to reduce the chance of water contamination.

### Placing a contaminant where environmental harm or nuisance may be caused (section 443)

A person must not cause or allow a contaminant to be placed in a position where it could reasonably be expected to cause serious or material environmental harm or environmental nuisance.

## Relevant offences under the Environment Protection Regulation 2008

### Trackable waste to be given only to licensed transporter (section 81ZA)

A generator of trackable waste must not give the waste to another person to transport it for a fee or reward, or in a load of more than 250 kilograms, in a vehicle unless the other person holds, or is acting under, an environmental authority for transporting the waste in the vehicle.

### Waste tracking (Chapter 5, Part 9)

Waste handlers must submit waste tracking information to the Department of Environment and Science as part of the process for tracking waste types as listed in Schedule 2E of the Environmental Protection Regulation 2008. The waste tracking enables the department to track waste from its source to the place of storage, recycling, treatment or disposal.

## Responsibilities under other legislation

An environmental authority pursuant to the *Environmental Protection Act 1994* does not remove the need to obtain any additional approvals for the activity that might be required by other state and/or Commonwealth legislation. Other legislation for which a permit may be required includes, but is not limited to, the:

- *Aboriginal Cultural Heritage Act 2003*
- Australian Dangerous Goods Code
- Australian and New Zealand Environment and Conservation Council (ANZECC) Polychlorinated Biphenyls Management Plan Revised Edition – April 2003
- Contaminated land provisions of the *Environmental Protection Act 1994*
- *Fisheries Act 1994*
- *Forestry Act 1959*
- *Nature Conservation Act 1992*
- *Petroleum and Gas (Production and Safety) Act 2004* / *Petroleum Act 1923*
- *Planning Act 2016*
- *Queensland Heritage Act 1992*
- Safe Work Australia Code of Practice on How to Safely Remove Asbestos 2011 or the Safe Work Australia Code of Practice on How to Manage and Control Asbestos in the Workplace 2011 or any subsequent versions
- Waste Reduction and Recycling Regulation 2011
- *Water Supply (Safety and Reliability) Act 2008*
- *Water Act 2000*
- *Work Health and Safety Act 2011,* Work Health and Safety Regulation 2011 and Work Health and Safety (Codes of Practice) Notice 2011

Applicants are advised to check with all relevant statutory authorities and comply with all relevant legislation.