Permit

Environmental Protection Act 1994

Environmental authority EPPR00827113

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

Environmental authority number: EPPR00827113

Environmental authority takes effect on the day it is signed by the delegate.

Environmental authority holder(s)

Name(s)	Registered address
QUBE Ports Pty Ltd	Level 22 44 Market Street SYDNEY NSW 2000

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 50 - Mineral and bulk material handling 2: 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	Lot 1174 on SP172732
ERA 50 - Mineral and bulk material handling 2: 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	Lot 88 on SP108337
ERA 50 - Mineral and bulk material handling 2: 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	Lot 2 on SP224040
ERA 50 - Mineral and bulk material handling 2: 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	LOT 711 on SL4546
ERA 50 - Mineral and bulk material handling 2: Loading or unloading 100t or more of bulk materials in	Lot 1220 on CP903460

Queensland Government

Environmentally relevant activity/activities	Location(s)
a day, other than loading or unloading mentioned in item 3, or storing bulk materials	
ERA 50 - Mineral and bulk material handling 2: 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	LOT 302 on SP257483
ERA 50 - Mineral and bulk material handling 2: 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	LOT 99 on SP238079 27 Whimbrel St PORT OF BRISBANE QLD 4178

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.

Amanda Gray
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 23 December 2020

Enquiries:
Heritage, Utilities and Government Assessment
Department of Environment and Science

Phone: 1300 130 372
Email: palm@des.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

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

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

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.

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. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

Part	Applicable location	Environmentally relevant activity
Part 1	**7D Port Drive (Fisherman Islands), PORT OF BRISBANE QLD 4178** - Lot 88 on Plan SP108337	ERA 50-(2) Bulk material handling >100t day of bulk materials
Part 2	**Pinkenba Bulk Wharf, 31 Soutter St, PINKENBA QLD 4008 –** Lot 1174 on Plan SP172732	ERA 50-(2) Bulk material handling >100t day of bulk materials
Part 3	**89, 221 & 221B Macarthur Avenue, HAMILTON QLD 4007** - Lot 302 on Plan SP257483, Lot 2 on Plan 224040, and Lot 711 on Plan SL4546	ERA 50-(2) Bulk material handling >100t day of bulk materials
Part 4	**47A Pamela Street, PINKENBA QLD 4008** – Lot 1220 on Plan CP903460	ERA 50-(2) Bulk material handling >100t day of bulk materials
Part 5	**27 Whimbrel Street, (Fisherman Island) PORT OF BRISBANE QLD 4178 –** Lot 99 SP238079	ERA 50-(2) Bulk material handling >100t day of bulk materials

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.

Part 1: 7D Port Drive (Fisherman Islands), PORT OF BRISBANE QLD 4178 (P1) - Lot 88 on Plan SP108337	
Agency interest: General	
Condition number	**Condition**
P1-G1	The suitable operator of this environmental authority must: i. install all plant and equipment necessary to ensure compliance with ii. the conditions of this environmental authority; and iii. maintain such plant and equipment in a proper and efficient iv. condition; and v. operate such plant and equipment in a proper and efficient manner. In this condition, "plant and equipment" includes: i. plant and equipment used to prevent or minimise the likelihood of ii. environmental harm being caused; iii. devices and structures to contain foreseeable escapes of iv. contaminants and waste; v. vehicles used to transport waste;

	vi. devices or structures used to store, handle, treat and dispose of vii. waste; viii. monitoring equipment and associated alarms; and ix. backup systems that act in the event of failure of a primary system.
P1-G2	Any record or document required to be kept by a condition of this environmental authority must be retained by the registered operator for a period of at least five (5) years and be available for examination by an authorised person. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.
P1-G3	No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority. An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quantity of the contaminant to be released into the environment.
P1-G4	Notwithstanding any other condition of this environmental authority, this environmental authority does not authorise any release of contaminants which cause or are likely to cause an environmental nuisance beyond the boundaries of the authorised place.
P1-G5	From commencement of the ERA at the authorised place, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of the ERA. The SBMP must address the following matters: (a) The operator, of the ERA, commitments to achieve specified and relevant environmental goals; (b) Identification of environmental issues and potential impacts; (c) Control measures for routine operations to minimise likelihood of causation of environmental harm; (d) Contingency plans and emergency procedures for non-routine situations; (e) Organisational structure and responsibility; (f) Effective communication; (g) Monitoring of contaminant releases;. (h) Conducting environmental impact assessments; (i) Staff training; (j) Record keeping; and (k) Periodic review of environmental performance and continual improvement.
P1-G6	The SBMP must not be implemented or amended under P1-G5 in a way that contravenes any condition of this environmental authority.
P1-G7	The conduct of environmental audits required by condition (P1-G5) (k) must be carried out as often as necessary but not less frequently than the frequency specified below: a) the level of environmental performance: once every two years. b) the effectiveness of environmental management procedures adopted: once every two years.

P1-G8	The registered operator of this environmental authority must prepare a report summarising the outcomes of the environmental audits required by condition (P1-G5) (k) and submit the report with the annual return which follows the conduct of the audits.
P1-G9	The registered operator of this environmental authority must not implement a SBMP or amend the SBMP where such implementation or amendment would result in a contravention of any condition of this environmental authority.
P1-G10	The registered operator of this environmental authority must submit details of any amendment of the SBMP to the administering authority with the annual return which immediately follows the enactment of any such amendment.
P1-G11	All complaints received by the registered operator of this environmental authority relating to releases of contaminants from operations at the authorised place must be recorded and kept in log book form with the following details: (i) time, date and nature of complaint; (ii) type of communication (telephone, letter, personal etc.); (iii) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded); (iv) response and investigation undertaken as a result of the complaint; (v) name of person responsible for investigating complaint; and (vi) action taken as a result of the complaint investigation and signature of responsible person.
P1-G12	For the purposes of investigation of complaint of noise annoyance and for checking compliance with condition (P1-N1) of the noise schedule, monitoring and recording of the noise levels from the activity must be undertaken for the following descriptors, characteristics and conditions: (i) LAmax, adj. T; (ii) LAbg, T (or LA90, T); (iii) LAN, T (where N equals statistical levels of 1, 10, 50, 90 and 99); (iv) Max LpA T; (v) LAeq, T; (vi) the level and frequency of occurrence of impulsive or tonal noise; (vii) atmospheric conditions including temperature, relative humidity and wind speed and direction; (viii) effects due to extraneous factors such as traffic noise;
P1-G13	In conjunction with noise measurement and recording, the following parameters and conditions must be recorded: (i) location, date and time of recording.
P1-G14	Noise monitoring must be undertaken to investigate any complaint of noise annoyance or upon receipt of a written request from the administering authority to carry out such monitoring.
P1-G15	The method of measurement and reporting of noise levels must comply with the administering authority Noise Measurement Manual, fourth edition, August 2013, or more recent additions or supplements to that document as become available.
P1-G16	The measurement and reporting of noise levels must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required measurements.
P1-G17	Monitoring must be undertaken to investigate any complaint of dust nuisance upon receipt of a written request from the administering authority to carry out such monitoring.
P1-G18	The dust fallout monitoring program must be carried out at a sufficient number of monitoring points to enable compliance with condition (P1-G17). Monitoring sites must be selected having regard to:

	(i) locations of dust sources; (ii) locations of persons potentially affected by any release of dust from the environmental relevant activity; and (iii) prevailing wind conditions.
P1-G19	The samples must be collected and analysed in accordance with the requirements of Australian Standard AS 3580.10.1-1991 for Ambient Air – Particulate Matter.
P1-G20	The measurement and reporting of ambient particulate matter must be undertaken by a person or body possessing appropriate experience and qualifications to perform the ambient particulate monitoring.
P1-G21	The registered operator of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority for the period covered by the return are submitted with the annual return.
P1-G22	As soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the registered operator of this environmental authority must notify the administering authority of the release by telephone or facsimile.
P1-G23	The notification of emergencies or incidents as required by condition number (P1-G22) must include but not be limited to the following: (i) the name of the registered operator of the environmental authority; (ii) the location of the emergency or incident; (iii) the number of the environmental authority; (iv) the name and telephone number of the designated contact person; (v) the time of the release; (vi) the time the registered operator of the environmental authority became aware of the release; (vii) the suspected cause of the release; (viii) the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; and (ix) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.
P1-G24	Not more than 14 days following the initial notification of an emergency or incident, the registered operator of the environmental authority must provide written advice of the information supplied in accordance with condition number (P1-G23) in addition to: (i) proposed actions to prevent a recurrence of the emergency or incident; (ii) outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance; and (iii) the results of any environmental monitoring performed.
P1-G25	The registered operator of this environmental authority must notify the administering authority in writing of any monitoring result which indicates an exceedance of any licence limit within 28 days of completion of analysis.
P1-G26	The written notification required by condition number (P1-G25) above must include: (i) the full analysis results; and (ii) details of investigation or corrective actions taken; and (iii) any subsequent analysis.

Agency interest: Air	
Condition number	**Condition**
P1-A1	Dust or particulate matter that will have or is likely to have an adverse effect on people living in or using the surrounding area shall not be permitted to emanate beyond the boundaries of the authorised place.
P1-A2	Notwithstanding any other condition of this environmental authority no release of contaminants from the authorised place is to cause a noxious or offensive odour beyond the boundaries of the authorised place.
P1-A3	Trafficable areas must be maintained, at all times, in a condition which minimises the release of wind-blown or traffic-generated dust.
P1-A4	The registered operator of this environmental authority must take all reasonable and, practicable measures necessary to prevent spillage and/or loss of particulate matter or windblown dust from trucks used for transporting materials from the authorised place. Reasonable and practicable measures may include but are not limited to: (i) having the entire load covered with a tarpaulin or similar material for the duration of transport; and (ii) clearing of spillage from side rails, tail gates and draw bars of trucks prior to departure from the authorised place and prior to departure from the premises to which the load has been delivered.
Agency interest: Water	
Condition number	**Condition**
P1-WT1	Contaminants that will or may cause environmental harm must not be directly or indirectly released from the authorised place to any waters or the bed and banks of any waters except: (i) as permitted under the water schedule of this environmental authority; or (ii) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
P1-WT2	Any spillage or leakage of waste, contaminants or other materials must be cleaned up as quickly as practicable. Such spillage or leakage must not be cleaned up by hosing, sweeping or otherwise releasing such waste, contaminants or material to any waters.
P1-WT3	Except as otherwise provided by the conditions of the water schedule of this environmental authority, the environmentally relevant activity must be carried out by such practicable means necessary to prevent the release of, or where prevention is impracticable, to minimise the release of contaminated runoff from the authorised place to any stormwater drain or waters or the bed or banks of any such waters. "Contaminated runoff' for the purposes of this condition means stormwater and/or stormwater runoff that contain contaminants that may cause environmental harm.
P1-WT4	All liquid fuel and/or chemical tank storage must be bunded so that the capacity of the bund is sufficient to contain at least 100% of the capacity of the largest storage tank plus 10% of that of the second largest tank within the bund.
P1-WT5	All liquid fuel and/or chemical drum storage must be bunded so that the capacity of the bund is sufficient to contain at least 25% of the maximum design storage volume within the bund.
P1-WT6	The registered operator of this environmental authority must ensure that any stormwater captured within a fuel and/or chemical storage bund is free from contaminants or wastes prior to any release to the environment.
Agency interest: Land	

<table>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>P1-L1</td><td>There must be no release nor likelihood of release of any contaminants to land.</td></tr>
<tr><td colspan="2">Agency interest: Noise</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>P1-N1</td><td>In the event of a complaint about noise that constitutes annoyance being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from the authorised place must not result in levels greater than those specified in Table 1 below.

TABLE 1

<table>
<tr><th colspan="2">NOISE LIMITS AT A NOISE SENSITIVE PLACE</th></tr>
<tr><td>Period</td><td>Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level
$L_{Amax\ adj,\ T}$</td></tr>
<tr><td>7 am - 6 pm</td><td>Background noise level plus 5 dB(A)</td></tr>
<tr><td>6 pm - 10 pm</td><td>Background noise level plus 5 dB(A)</td></tr>
<tr><td>10 pm - 7 am</td><td>Background noise level plus 3 dB(A)</td></tr>
<tr><th colspan="2">NOISE LIMITS AT A COMMERCIAL PLACE</th></tr>
<tr><td>Period</td><td>Noise Level at a Commercial Place measured as the Adjusted Maximum Sound Pressure Level
$L_{Amax\ adj,\ T}$</td></tr>
<tr><td>7 am - 6 pm</td><td>Background noise level plus 10 dB(A)</td></tr>
<tr><td>6 pm - 10 pm</td><td>Background noise level plus 10 dB(A)</td></tr>
<tr><td>10 pm - 7 am</td><td>Background noise level plus 8 dB(A)</td></tr>
</table>
</td></tr>
<tr><td colspan="2">Agency interest: Waste</td></tr>
<tr><td colspan="2">Condition</td></tr>
<tr><td>P1-W1</td><td>The registered operator of this environmental authority must implement the Waste Management Plan contained in Section 5.0 of the document entitled "Approval Application P & O Ports Hamilton Facility, Brisbane " dated April 1997 as a minimum for the management of the actual and potential environmental impacts resulting from the carrying out of the environmentally relevant activity.</td></tr>
<tr><td>P1-W2</td><td>The registered operator of this environmental authority must not implement a Waste Management Plan or amend a Waste Management Plan where such implementation or amendment would result in a contravention of any condition of this environmental authority.</td></tr>
</table>

Part 2: Pinkenba Bulk Wharf, 31 Soutter St, PINKENBA QLD 4008 (P2) – Lot 1174 on Plan SP172732	
Agency interest: General	
Condition number	**Condition**
P2-G1	The holder of this environmental authority must: (i) install all plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and (ii) maintain such plant and equipment in a proper and efficient condition; and (iii) operate such plant and equipment in a proper and efficient manner. In this condition, "plant and equipment" includes: (i) plant and equipment used to prevent or minimise the likelihood of environmental harm being caused; (ii) devices and structures to contain foreseeable escapes of contaminants and waste; (iii) vehicles used to transport waste; (iv) devices or structures used to store, handle, treat and dispose of waste; (v) monitoring equipment and associated alarms; and (vi) backup systems that act in the event of failure of a primary system.
P2-G2	A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
P2-G3	Any record or document required to be kept by a condition of this environmental authority must be kept at the licensed place for a period of at least three (3) years and be available for examination by an authorised person.
P2-G4	No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority. An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quantity of the contaminant to be released into the environment.
P2-G5	All complaints received by the holder of this environmental authority relating to releases of contaminants from operations at the licensed place must be recorded and kept in a log book with the following details: (i) time, date and nature of complaint; (ii) type of communication (telephone, letter, personal etc.); (iii) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded); (iv) response and investigation undertaken as a result of the complaint; (v) name of person responsible for investigating complaint; and (vi) action taken as a result of the complaint investigation and signature of responsible person.
P2-G6	For the purposes of checking compliance with condition **F1,** investigating any complaint made about noise that allegedly constitutes an annoyance and monitoring to confirm noise levels predicted in a noise audit, monitoring and recording of the noise levels from the activity must be undertaken for the following descriptors, characteristics and conditions:

	(i) LAmax, adj. T; (ii) LAbg, T (or LA90, T); (iii) LAN, T (where N equals statistical levels of 1, 10, 50, 90 and 99); (iv) Max LpA T; (v) LAeq, T; (vi) the level and frequency of occurrence of impulsive or tonal noise; (vii) atmospheric conditions including temperature, relative humidity and wind speed and direction; (viii) effects due to extraneous factors such as traffic noise; and (ix) location, date and time of recording.
P2-G7	In the event of a complaint about noise that constitutes annoyance being made to the administering authority that the administering authority considers is not frivolous or vexatious, the holder of this environmental authority must undertake monitoring to investigate such a complaint upon written request from the administering authority.
P2-G8	The method of measurement and reporting of noise levels must comply with the administering authority Noise Measurement Manual, fourth edition, August 2013, or more recent additions or supplements to that document as they become available.
P2-G9	The measurement and reporting of noise levels must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required measurements.
P2-G10	The holder of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority for the period covered by the return are submitted with the annual return.
P2-G11	A record of events must be maintained including but not limited to: (i) the date, time, and duration of pollution control equipment failure where the failure may result in environmental contamination; and (ii) any shut-down of the bag filter(s) and cyclones.
P2-G12	Where the holder of this environmental authority has not given notification to the administering authority under section 320DA of the *Environmental Protection Act*, as soon as practicable after becoming aware of any emergency or incident that results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the holder of this environmental authority must notify the administering authority of the release by telephone or facsimile.
P2-G13	Where the holder of this environmental authority has not given notification to the administering authority under section 320DA of the *Environmental Protection Act*, the notification of emergencies or incidents as required by condition P2-G12 must include but not be limited to the following: (i) the name of the holder of the environmental authority; (ii) the location of the emergency or incident; (iii) the number of the environmental authority; (iv) the name and telephone number of the designated contact person; (v) the time of the release; (vi) the time the holder of the environmental authority became aware of the release; (vii) the suspected cause of the release; (viii) the environmental harm and/or environmental nuisance caused, threatened, or suspected to be caused by the release; and (ix) actions taken to prevent further any release and mitigate any environmental harm and/or environmental nuisance caused by the release.

P2-G14	Where the holder of this environmental authority has not given notification to the administering authority under section 320DA of the Environmental Protection Act, not more than 14 days following the initial notification of an emergency or incident, the holder of the environmental authority must provide written advice of the information supplied in accordance with condition P2- G13 in addition to: (i) proposed actions to prevent a recurrence of the emergency or incident; and (ii) outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance.
P2-G15	The holder of this environmental authority must, as soon as practicable but not more than six (6) weeks following any environmental monitoring performed in relation to the emergency or incident, provide written advice of the results of any environmental monitoring performed except where all such information has previously been given in a notification to the administering authority under section 320DA of the Environmental Protection Act.
P2-G16	The holder of this environmental authority must notify the administering authority in writing of any monitoring result which indicates an exceedance of any licence limit within 28 days of completion of analysis.
P2-G17	The written notification required by condition P2-G16 above must include: (i) the full analysis results; and (ii) details of investigation or corrective actions taken; and (iii) any subsequent analysis.
P2-G18	Ambient particulate monitoring must be undertaken to investigate any complaint of dust nuisance upon receipt of a request from the administering authority to carry out such monitoring or upon the receipt of a dust complaint by the holder of this environmental activity.
P2-G19	Analysis of the obtained samples must be made for the following: (i) total water insoluble dust in milligrams; and (ii) dust fallout in milligrams/square metre/day.
P2-G20	The samples must be collected and analysed in accordance with the requirements of Australian Standard AS 3580.10.1 -1991 for Ambient Air - Particulate Matter.
Agency interest: Air	
Condition number	**Condition**
P2-A1	Dust or particulate matter that will have or is likely to have an adverse effect on people living in or using the surrounding area shall not be permitted to emanate beyond the boundaries of the licensed place.
P2-A2	The holder of this environmental authority must take all reasonable and, practicable measures necessary minimise the release of windblown dust and particulate matter emission to the atmosphere during the loading, transfer and unloading of materials. Reasonable and practicable measures may include but are not limited to: (i) use of water sprays at transfer points; (ii) use of shielding and windbreaks; (iii) transfer of material in a moist state; (iv) use of dust collection and treatment systems.
P2-A3	Contaminants leaving the dust collection systems must be treated in a Fabric Filter Dust Collector (FFDCs) or a cyclone(s) prior to release to the atmosphere.
P2-A4	Contaminants must not be released to the atmosphere from any cyclone exhaust at a concentration in excess of 250mg/m3 total suspended particulates.

P2-A5	Contaminants must not be released to the atmosphere from any FFDC exhaust at a concentration in excess of 50mg/m^3 total suspended particulates.
P2-A6	All collected material removed from the bag filters and cyclones must be removed and disposed of in a manner that will not cause the release of contaminants to the atmosphere or to waters.
P2-A7	By 1 September 1999, the sand conveyor must be enclosed to minimise the release of contaminants to the atmosphere.
P2-A8	Any new external conveyors installed following the issue of this environmental authority must be enclosed to minimise the release of contaminants to the atmosphere.
P2-A9	The silica stockpile must be maintained using all reasonable and practicable measures to minimise the release of windblown dust or particulate matter to the atmosphere. Reasonable and practicable measures may include but not limited to use of water sprays as required during wind likely to generate such release to the atmosphere.
P2-A10	Notwithstanding any other condition of this environmental authority no release of contaminants from the licensed place is to cause a noxious or offensive odour beyond the boundaries of the licensed place.
P2-A11	Trafficable areas must be sealed with bitumen or an equivalent hard surface and maintained in a condition which minimises the release of wind-blown or traffic-generated dust to the atmosphere.
P2-A12	All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.
P2-A13	The holder of this environmental authority must implement practices and procedures to ensure that the tailgates of all trucks leaving the licensed places are securely fixed and their loads covereds as necessary to prevent windblown releases and spillage of materials being transported.
P2-A14	Fumigation of materials must be carried out in such manner that contaminants are not released into the environment in concentrations that will or may cause environmental harm.
Agency interest: Water	
Condition number	**Condition**
P2-WT1	Contaminants that will or may cause environmental harm must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except: (i) as permitted under the water schedule of this environmental authority; or (ii) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
P2-WT2	Except as otherwise provided by the conditions of the water schedule of this environmental authority, the environmentally relevant activity must be carried out by such practicable means necessary to prevent and/or minimise the release or likelihood of release of contaminated runoff from the licensed place to any stormwater drain or waters or the bed or banks of any such waters. "Contaminated runoff' for the purposes of this condition means stormwater and/or stormwater runoff that contains contaminants that may cause environmental harm.
P2-WT3	The holder of this environmental authority must: (a) develop and implement a stormwater management plan which provides for the following functions: • avoidance and minimisation of contaminated stormwater; and

	• reuse, treatment and disposal of contaminated stormwater; and (b) on or before 1 March 1998, have completed and implemented the stormwater management plan.
P2-WT4	A copy of the Stormwater Management Plan must be kept at the licensed place.
P2-WT5	The licensed place must be sealed and/or graded to ensure that water does not "pond" on site.
P2-WT6	By 1 September 1998, stormwater drains must be fitted with screens prior to discharge to the Brisbane River.
P2-WT7	Any spillage of waste, 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 waste, contaminants or materials to any stormwater drainage system, roadside gutter or waters.
P2-WT8	The maintenance and cleaning of vehicles and any other equipment or plant must be carried out in areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.
P2-WT9	Minor chemical and fuel drum storage must be under roofed areas, provided with impervious concrete bases and stored well away from any waters, drains and pits.
P2-WT10	All chemical and fuel tank storages other than those included in condition P2- WT9 must be bunded so that the capacity of the bund is sufficient to contain at least 25% of the maximum design storage volume within the bund.
P2-WT11	All bunding must be constructed of materials which are impervious to the materials stored.
P2-WT12	All bunding must be roofed where practicable.
P2-WT13	Where it is impractical to completely roof a bunded area the holder of this environmental authority must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to any release.
P2-WT14	A collection sump must be provided in the floor of the bunding to facilitate the removal of liquids. The bund floor must be graded so that the fall is towards the collection sump.
P2-WT15	All empty drums stored on the licensed place must be on a concrete hardstand area with their closures in place.
P2-WT16	The temporary stockpiling of materials on open areas must only be carried out on a hardstand area constructed of compacted clay or other low permeability material to minimise soil infiltration.
P2-WT17	The hardstand area must be graded to avoid rainwater ponding.
P2-WT18	The hardstand area must be bunded as necessary to contain the material on the hardstand area and prevent the release of materials stored to waters including the stormwater drainage system.
P2-WT19	Material stored on the hardstand area must be covered with a cover impervious to rainfall at the end of each day and/or during wet weather.
P2-WT20	By 1 September 1998, the silica sand stockpile area must be properly and effectively bunded to prevent the release of silica sand to any waters.
P2-WT21	Bunding must be constructed and maintained to ensure the stability of the bunds.
Agency interest: Land	

Condition number	Condition
P2-L1	Except as provided by the conditions of this schedule, there must be no release nor likelihood of release of any contaminants to land that will or may cause environmental harm or contribute to contamination of such land.
P2-L2	The only contaminants to be released to land are shed, conveyor and portable equipment wash down waters.
P2-L3	The release of contaminants to land must not be carried out within 20 metres of any waters including stormwater drains. However, if a suitable physical barrier(s) is installed and maintained to avoid discharges beyond any boundary or any waters including stormwater drains, this condition will not apply.
P2-L4	The release of contaminants to land must not be carried out if soil moisture conditions are such that surface runoff or ponding is likely to occur.
P2-L5	The contaminant release area must be maintained in a proper and efficient condition so as to provide adequate assimilation, percolation, evaporation and transpiration of the released contaminants.
P2-L6	The release of contaminants to land must not be carried out during periods of wet weather.
Agency interest: Noise	
Condition number	**Condition**
P2-N1	In the event of a complaint about noise that constitutes annoyance being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from the licensed place must not result in levels greater than those specified in Table 2 below.

TABLE 2

NOISE LIMITS AT A NOISE SENSITIVE PLACE	
Period	*Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure* Level $L_{Amax\ adj,\ T}$
7 am - 6 pm	Background noise level plus 5 dB(A)
6 pm - 10 pm	Background noise level plus 5 dB(A)
10 pm - 7 am	Background noise level plus 3 dB(A)
NOISE LIMITS AT A COMMERCIAL PLACE	
Period	*Noise Level at a Commercial Place measured as the Adjusted Maximum Sound Pressure Level* $L_{Amax\ adj,\ T}$
7 am - 6 pm	Background noise level plus 10 dB(A)
6 pm - 10 pm	Background noise level plus 10 dB(A)
10 pm - 7 am	Background noise level plus 8 dB(A)

Agency interest: Waste	
Condition number	**Condition**
P2-W1	Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.
P2-W2	All disposal of waste generated in carrying out the environmentally relevant activity must be to a proper and appropriate licensed waste disposal facility that can lawfully accept such waste or to a facility that can lawfully and appropriately reuse and/or recycle such waste, except as specifically provided for under the conditions of this environmental authority.
P2-W3	The holder of this environmental authority must not: (i) burn waste at or on the licensed place; nor (ii) allow waste to burn or be burnt at or on the licensed place; nor (iii) remove waste from the licensed place and burn such waste elsewhere.
P2-W4	The holder of this environmental authority must: (a) develop and implement a waste management plan which provides for the following functions: • prevention of waste; and • minimisation of waste; and • recycling of waste; and • treatment of waste; and • disposal of waste; and (b) on or before 1 March 1998, have completed and implemented the waste management plan.
P2-W5	A copy of the Waste Management Plan must be kept at the licensed place.
P2-W6	By 1 March 1998, the holder of this environmental authority must develop and implement an Emergency/Contingency Plan to manage the environmental impacts of uncontrolled release of contaminants to the environment.
P2-W7	The Emergency Response/Contingency Plan must address at least the following matters: (i) response procedures to be implemented to reduce the likelihood of any release of contaminants to the environment; (ii) response procedures to prevent any further release or if such is not practicable, minimise the extent and duration of any release to the greatest practicable extent; (iii) the practices and procedures to be employed to restore the environment, or if such is not practicable, mitigate any environmental impacts of the release; (iv) a description of the resources to be used in response to a release; (v) the training of staff that will be called upon to respond to a release; (vi) procedures to investigate the cause of any release, and where necessary, implement remedial actions to reduce the likelihood of recurrence of a similar event; (vii) the provision and availability of documented procedures to staff attending any release to enable them to effectively respond; and (viii) timely and accurate reporting of the circumstance and nature of release events to the administering authority.
P2-W8	A copy of the emergency Response/Contingency Plan and any subsequent amendment of the Emergency Response/Contingency Plan must be kept at the licensed place and be available for examination by Emergency Services Personnel or an authorised person on request.

Part 3: 89, 221 & 221B Macarthur Avenue, HAMILTON QLD 4007 (P3) - Lot 302 on Plan SP257483, Lot 2 on Plan 224040, and Lot 711 on Plan SL4546	
Agency interest: General	
Condition number	**Condition**
P3-G1	The holder of this environmental authority must: (i) install all plant and equipment necessary to ensure compliance with the conditions; and (ii) maintain such plant and equipment in a proper and efficient condition; and (iii) operate such plant and equipment in a proper and efficient manner. In this condition, "plant and equipment" includes: (i) plant and equipment used to prevent and/or minimise the likelihood of environmental harm being caused, for example; tanks, pipelines, pumps, valves, taps, switch controls, proximity switches, warning lights, tank level probes/alarms, diagrammatic boards, compressed air systems; (ii) devices and structures to contain foreseeable escapes of contaminants and waste, for example; bunds, separator pits, collection sumps; (iii) vehicles used to transport waste, for example; sealed trays, covered loads; (iv) devices and structures used to store, handle, treat and dispose of waste, for example; tanks, pipelines, pumps, save-all pits, bins; (v) monitoring equipment and associated alarms, for example; high level tank probes/alarms, proximity switches; and (vi) backup systems that act in the event of failure of a primary system, for example; high level tank probes/alarms.
P3-G2	A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
P3-G3	Any record or document required to be kept by a condition of this environmental authority must be kept at the licensed place for a period of at least five years and be available for examination by an authorised person. The record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.
P3-G4	Copies of any record required to be kept by a condition of this environmental authority must be provided to any authorised person or the administering authority on request.
P3-G5	No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority. An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quantity of the contaminant to be released into the environment.
P3-G6	All instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.
P3-G7	All complaints received by the holder of this environmental authority relating to releases of contaminants from operations at the licensed place must be recorded and kept in a log book with the following details: (i) time, date and nature of complaint; (ii) type of communication (telephone, letter, personal etc.); (iii) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded);

	(iv) response and investigation undertaken as a result of the complaint; (v) name of person responsible for investigating complaint; and (vi) action taken as a result of the complaint investigation and signature of responsible person.
P3-G8	The complaints record required by condition number P3-G7 must be maintained for a period of not less than 3 years.
P3-G9	A record must be maintained of events including but not limited to: (i) the time, date and duration of pollution control equipment where the failure of such equipment may result in environmental contamination; (ii) any shut-downs of the save all pit and/or interceptor trap.
P3-G10	The record required by condition number P3-G9 must be maintained for a period of not less than 3 years.
P3-G11	As soon as practicable after becoming aware of any emergency or incident which results in the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the holder of this environmental authority must notify the administering authority of the release by telephone or facsimile.
P3-G12	The notification of emergencies or incidents as required by condition number P3-G11 must include but not be limited to the following: (i) the holder of the environmental authority; (ii) the location of the emergency or incident; (iii) the number of the environmental authority; (iv) the name and telephone number of the designated contact person; (v) the time of the release; (vi) the time the holder of the environmental authority became aware of the release; (vii) the suspected cause of the release; (viii) the environmental harm and or environmental nuisance caused, threatened, or suspected to be caused by the release; and (ix) actions taken to prevent further any release and mitigate any environmental harm and or environmental nuisance caused by the release.
P3-G13	Not more than 14 days following the initial notification of an emergency or incident, the holder of the environmental authority must provide written advice of the information supplied in accordance with condition number P3-G12 in addition to: (i) proposed actions to prevent a recurrence of the emergency or incident; (ii) outcomes of actions taken at the time to prevent or minimise environmental harm and or environmental nuisance, and (iii) the results of any environmental monitoring performed.
Agency interest: Air	
Condition number	**Condition**
P3-A1	The fuel which may be burned in industrial fuel burning equipment is natural gas.
P3-A2	Notwithstanding any other condition of this environmental authority no release of contaminants from the licensed place is to cause a noxious or offensive odour beyond the boundaries of the licensed place.
P3-A3	All sealed traffic areas must be cleaned as necessary to minimise the release of dust and particulate matter to the atmosphere.

Agency interest: Water	
Condition number	**Condition**
P3-WT1	Contaminants must not be directly or indirectly released from the licensed place to any waters or the bed and banks of any waters except: (i) as permitted under the water schedule; or (ii) as permitted under the stormwater management schedule; or (iii) to a sewer as permitted or otherwise agreed from time to time by the relevant Local Government.
P3-WT2	The maintenance and cleaning of vehicles and any other equipment or plant must be carried out in areas from where contaminants cannot be released into any waters, roadside gutter or stormwater drainage system.
P3-WT3	Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.
P3-WT4	All loading and unloading of product carried out at the licensed place must be undertaken according to the procedures stated in the document entitled Procedures for BLST Operations, prepared by Craig Mostyn & Co Pty. Ltd., or subsequent amendments as they become available.
P3-WT5	Any amendments to the document entitled Procedures for BLST Operations must be approved by the administering authority prior to implementation.
P3-WT6	All chemical tank storages must be bunded so that the capacity of the bund is sufficient to contain at least 100 % of the largest storage tank plus 10 % of the second largest tank within the bund.
P3-WT7	All tanker loading/unloading areas must be bunded so that the capacity of the bund is sufficient to contain 100 % of the largest compartment of any tanker using the area.
P3-WT8	All bunding must be constructed of materials which are impervious to the materials stored.
P3-WT9	Where it is impractical to completely roof a bunded area the holder of this environmental authority must ensure that any stormwater captured within the bund is free from contaminants or wastes prior to any release.
P3-WT10	A collection sump must be provided in the floor of the bunding to facilitate the removal of liquids. The bund floor must be graded so that the fall is towards the collection sump.
P3-WT11	All empty drums must be stored on a concrete hardstand area with their closures in place.
P3-WT12	Facilities must be provided for the collection and storage of oil from the separator for disposal in a manner which does not cause contamination of any waters or land.
P3-WT13	Collected waste oil and sludge from the separator must be regularly removed and disposed of in a manner which does not cause contamination of any waters or land.
P3-WT14	Collected solids from the separator pit(s) must be removed and disposed of in a manner which does not cause contamination of any waters or land.
P3-WT15	Detergents or emulsifying agents must not be used in the streams that pass to the separator pit(s).
P3-WT16	The oil separator must be designed to produce an effluent oil concentration of not more than 10 parts per million.

P3-WT17	Separator(s) must be effectively maintained at all times and must be inspected daily and cleaned if required or cleaned at a minimum of three (3) monthly intervals. Such inspections must be by an appropriately qualified person and a record kept of each inspection and/or cleaning. The records of all such inspection and/or cleaning must be kept in a log book for a period of two (2) years and be provided to any authorised person on request.
P3-WT18	All switch controls for the discharge pumps serving the oil separator(s) must only be operated by the manager of the depot or a person or persons authorised by the manager.
P3-WT19	The outlet pipe from the oil separator to stormwater must be fitted with a sample point to facilitate the collection of samples of the release.
P3-WT20	Contaminants arising from tank dewatering operations must not be discharged to land.
P3-WT21	Contaminants arising from tank dewatering operations must not be discharged to waters except in accordance with the requirements of this environmental authority.
Agency interest: Noise	
Condition number	**Condition**
P3-N1	In the event of a complaint about noise that constitutes unreasonable or intrusive noise being made to the administering authority, that the administering authority considers is not frivolous or vexatious, then the emission of noise from the place to which this environmental authority relates must not result in levels greater than those specified in Table 3 below.

TABLE 3

Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj,\ T}$	*Period*
Background noise level plus 5 dB(A)	7 am - 6 pm
Background noise level plus 5 dB(A)	6 pm - 10 pm
Background noise level plus 3 dB(A)	10 pm - 7 am
Noise Level at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax\ adj,\ T}$	*Period*
Background noise level plus 10 dB(A)	7 am - 6 pm
Background noise level plus 10 dB(A)	6 pm - 10 pm
Background noise level plus 8 dB(A)	10 pm - 7 am

Agency interest: Waste	
Condition number	**Condition**
P3-W1	Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and keep records of the following: (a) the date, quantity and type of waste removed; and (b) name of the waste transporter and/or disposal operator that removed the waste; and (c) the intended treatment/disposal destination of the waste.
P3-W2	Records of trade waste agreements must be made available for inspection on request.
P3-W3	Regulated waste must not be sent for disposal at any facility without the written approval of the person operating that facility.
P3-W4	Records must be maintained for a period of 5 years for all wastes mentioned in this schedule.
P3-W5	If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or is improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.
P3-W6	The holder of this environmental authority must by the first annual return submit to the administering authority for approval an emergency contingency plan for dealing with accidental spills and discharges of wastes or chemicals.
P3-W7	In the event of any spill or discharge of waste outside the bunded areas, the holder of this environmental authority must immediately bring into operation the procedures specified in the emergency contingency plan approved by the authority.
P3-W8	Any emergency contingency plan for the site must meet the requirements of the Fire Service Act Requisition (No.1) 1993.
P3-W9	An adequate water supply and distribution system must at all times be provided to the site so that water can be discharged by means of a hose to extinguish a fire at any part of the site.
P3-W10	Clear access to a water supply for fire fighting vehicles must be provided at all times.

Part 4: 47A Pamela Street, PINKENBA QLD 4008 (P4)– Lot 1220 on Plan CP903460	
Agency interest: General	
Condition number	**Condition**
P4-G1	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.
P4-G2	**Activities** under this environmental authority must be conducted in accordance with the following limitations: a) loading or unloading 100t or more of bulk materials in a day to or from vessels at the new wharf located on Lot 1220 on CP903460 in the Port of Brisbane.
P4-G3	All reasonable and practicable **measures** must be taken to prevent or minimise environmental harm caused by the **activities**.
P4-G4	The **activity** must be undertaken in accordance with written procedures that: a) identify potential risks to the environment from the **activity** during routine operations and emergencies; and b) establish and maintain control **measures** that minimise the potential for environmental harm; and c) ensure plant, equipment and **measures** are maintained in a proper and effective condition; and d) ensure plant, equipment and **measures** are operated in a proper and effective manner; and e) ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994*; and f) ensure that reviews of environmental performance are undertaken at least annually.
P4-G5	All **records** must be kept for a period of at least five years and provided to the **administering authority** upon request.
P4-G6	Chemicals and fuels are not to be stored on-site.
P4-G7	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.
P4-G8	An **appropriately qualified person(s)** must monitor, record and interpret the results when monitoring is required by this environmental authority.
P4-G9	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.
Agency interest: Air	
Condition number	**Condition**
P4-A1	Odours or airborne contaminants must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.
P4-A2	Dust or particulate matter that will have or is likely to have an adverse affect on people living in or using the surrounding area shall not be permitted to emanate beyond the **boundaries** of the authorised place.

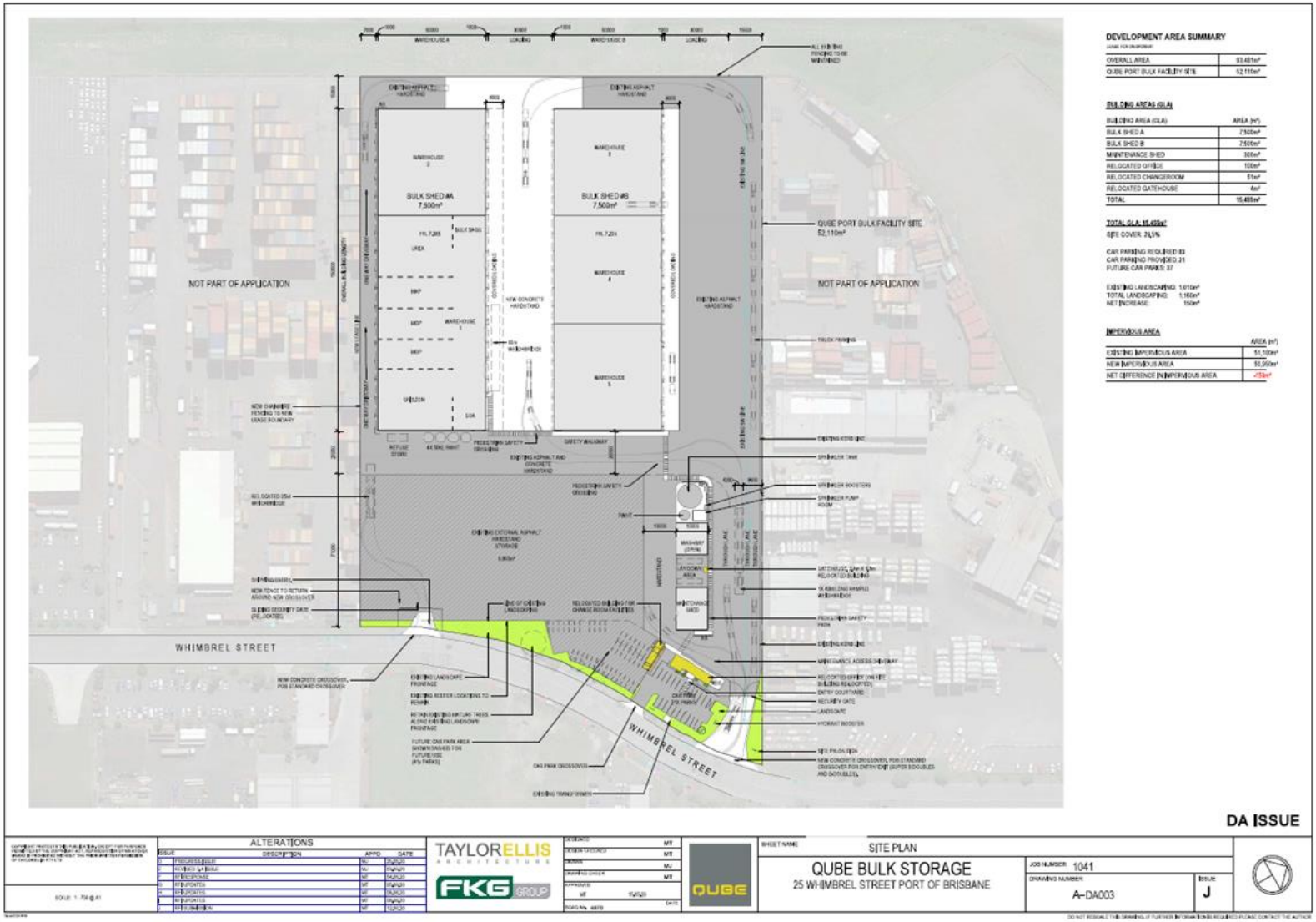
Agency interest: Water	
Condition number	**Condition**
P4-WT1	Contaminants must not be released to any **waters**.
Agency interest: Land	
Condition number	**Condition**
P4-L1	Contaminants must not be released to **land.**
Agency interest: Noise	
Condition number	**Condition**
P4-N1	Noise generated by the **activity** must not cause **environmental nuisance** to any **sensitive place** or **commercial place.**
Agency interest: Waste	
Condition number	**Condition**
P4-W1	All waste generated in carrying out the **activity** must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.

Part 5: 27 Whimbrel Street (Fisherman Island), Port of Brisbane QLD. 4178 – Lot 99 on Plan SP238079	
Agency interest: General	
Condition number	**Condition**
P5-G21	**Activities** conducted under this environmental authority must be conducted in accordance with the following: a) The activity is permitted to be carried out only within the area shown in *Attachment 1 – Site plan*. b) All stockpiles on the site must be bunded or located within an enclosed facility. c) The only bulk materials permitted to be received at the site are: • Soda Ash • Mineral Sands - less than 100t in a day • Fertilizers • Grain and stockfeed • Scrap Metal • Recycled products – glass, paper, cardboard, and aggregate material.
P5-G2	All reasonable and practicable **measures** must be taken to prevent or minimise environmental harm caused by the **activities**.
P5-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.
P5-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 **P5-G3**.
P5-G5	Written procedures must be developed which: 1. identify all potential risks to the environment from the **activity**, including: a. during routine operations; and b. outside routine operations; and c. during closure; and d. in an emergency; and 2. identify **measures** to prevent or minimise the potential for environmental harm for each of the potential risks identified; and 3. establish an inspection and maintenance program for plant and equipment including calibration and servicing that is in accordance with manufacturer's instructions; and 4. 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 5. establish processes to review environmental risks, incidents, performance and complaints.
P5-G6	Written procedures required by condition **P5-G5** 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**.

P5-G7	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 **P5-G5**.
P5-G8	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**.
P5-G9	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.
P5-G10	Chemicals and fuels in containers of greater than 15 litres must be stored within a **secondary containment system.**
P5-G11	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.
P5-G12	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.
P5- G13	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.
P5- G14	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.
Agency interest: Air	
Condition number	**Condition**
P5-A1	Odours or airborne contaminants, must not cause **environmental nuisance** at a **sensitive place** or **commercial place**.
P5-A2	Dust and particulate matter emissions must not exceed the following concentrations at any **sensitive place** or **commercial place**: a) dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 (or more recent editions), or b) a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM_{10}) suspended in the atmosphere of 50 micrograms per cubic metre over a 24 hour averaging time, when monitored in accordance with Australian Standard

	AS 3580.9.6 (or more recent editions) or any other method approved by the **administering authority**.
Agency interest: Land	
Condition number	**Condition**
P5-L1	Contaminants must not be released to **land**.
Agency interest: Acoustic	
Condition number	**Condition**
P5-N1	Noise generated by the **activity** must not cause **environmental nuisance** to any **sensitive place** or **commercial place.**
Agency interest: Waste	
Condition number	**Condition**
P5-W1	All waste generated in carrying out the **activity** must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.
Agency interest: Water	
Condition number	**Condition**
P5-WT1	Contaminants must not be released to **waters**.

Attachment 1 – Site plan



Definitions

Note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

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

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

Annoyance. In determining what constitutes "annoyance" regard must be had to Australian Standard 1055.2 - 1989 Acoustics - Description and Measurement of Environmental Noise Part 2 Application to specific situations.

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

Authorised place means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.

Background noise level means either:

a) LA90, T being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than 15 minutes, using Fast response, or

b) LAbg, T being the arithmetic average of the minimum readings measured in the absence of the noise under investigation during a representative time period of not less than 15 minutes, using Fastresponse.

Boundary means within 1m of the cadastral **boundary** of the approved place.

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.

Dwelling means any of the following structures or vehicles that is principally used as a residence

a) a house, unit, motel, nursing home or other building or part of a building;

b) a caravan, mobile home or other vehicle or structure on land;

c) a water craft in a marina.

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

Environmental value as defined in Chapter 1 of the *Environmental Protection Act 1994*.

General waste means waste other than regulated waste.

Intrusive noise means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration:

a) is clearly audible to, or can be felt by, an individual; and

b) annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

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

Land does not include **waters**.

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

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

Minor chemical and fuel drum storage mean the total volume stored in one location is less than 1,200 litres.

mg/m3 means milligrams per cubic metre. **Cubic metre (m3)** means the volume of dry gaseous contaminant which occupies 1 cubic metre at a temperature of zero degrees Celsius and at an absolute pressure of 101.3 kilopascals.

NATA means National Association of Testing Authorities.

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

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

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

Registered Operator means the holder of the environmental authority.

Regulated waste means non-domestic waste mentioned in Schedule 7 of the Environmental Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes:

- for an element - any chemical compound containing the element; and
- anything that has contained the waste.

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

1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
6. a public park or garden; or
7. for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

Site means the place(s) to which this environmental authority relates.

Unreasonable noise as mentioned in Section 18 of the Environmental Protection (Noise) Policy 1997 means noise that:

a) causes unlawful environmental harm; and
b) is unreasonable, having regard to the following matters -
    (i) its characteristics;
    (ii) its intrusiveness;
    (iii) the time at which it is made;
    (iv) where it can be heard;
    (v) other noises ordinarily present at the place where it can be heard; and
    (vi) is not declared to be reasonable in Schedule 2.

Waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and **groundwater** and any part thereof.

You means the holder of the environmental authority.

END OF ENVIRONMENTAL AUTHORITY