Permit

Environmental Protection Act 1994

Environmental authority P-EA-100484810

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

Environmental authority number: P-EA-100484810

Environmental authority takes effect on the day the authority is issued.

The anniversary date of this environmental authority remains 13 October. The payment of the annual fee will be due each year on this day.

Environmental authority holder

Name	Registered address
SIMS GROUP AUSTRALIA HOLDINGS LIMITED	Suite 2, Level 9 189 O'Riordan Street MASCOT NSW 2020

Environmentally relevant activity and location details

Environmentally relevant activity	Locations
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	73E Tingira Street PINKENBA QLD 4008 – Lot 1174 on Plan SP172732 (Lease PY on SP225018) 69-77 Tingira Street PINKENBA QLD 4008 - Lots 1/RP167498, 1032/SL6879, 547/SL1977 and 870/SL4746

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).

ABN 46 640 294 485

Queensland Government

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 effective date. The payment of the annual fee will be due each year on this day.

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.

	**21 November 2023**
Signature	Date

Scott Blanchard
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Waste Assessment
Department of Environment and Science
Phone: 1300 130 372
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).

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.

PART 1: Conditions of environmental authority

Location: 73E Tingira Street PINKENBA QLD 4008 – Lot 1174 on Plan SP172732 (Lease PY on SP225018)

Relevant Activity: 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

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the following conditions of approval:

Agency interest: General	
Condition number	**Condition**
1.G1	Activities under this environmental authority must be conducted in accordance with the following limitations: a) bulk material handling is limited to loading of furnace-ready ferrous metal from trucks onto cargo ships at the wharf on PY SP225018 as depicted in *Appendix A – Site Plan*; and b) the amount of bulk materials handled must not exceed 447,000 tonnes per year; and c) storage of bulk materials on the wharf is not permitted.
1.G2	All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused, or likely to be caused, by the activities.
1.G3	Unless specifically authorised by a condition of this environmental authority, this environmental authority does not authorise a relevant act which is: a) an act that causes serious or material environmental harm or an environmental nuisance; or b) an act that contravenes a noise standard; or c) a deposit of a contaminant, or release of stormwater run-off, mentioned in section 440ZG of the *Environmental Protection Act 1994*.
1.G4	Unless specifically authorised by a condition of this environmental authority, details of any contravention of a condition of this environmental authority must: a) be reported to the administering authority within 24 hours of becoming aware of the contravention; and b) include the nature and circumstances of the contravention and any immediate actions taken.
1.G5	As soon as reasonably practicable but no later than 20 business days of a report made under condition 1.G4 (or a longer period agreed to in writing by the administering authority), an investigation must be undertaken to determine:

	a) the potential circumstances and actions that may have contributed to the contravention; and b) reasonable and practicable measures that will be implemented to address the cause of the contravention to prevent future contraventions of this nature.
1.G6	As soon as reasonably practicable but no later than 20 business days of investigating a contravention under condition 1.G5 (or a longer period agreed to in writing by the administering authority), the reasonable and practicable measures identified in the investigation must be implemented.
1.G7	The outcome of the investigation carried out under condition 1.G5 and the reasonable and practicable measures implemented under condition 1.G6 must be recorded.
1.G8	The following details must be recorded for all complaints received and provided to the administering authority upon request: a) date and time the complaint was received; and b) if authorised by the person making the complaint, their name and contact details; and c) nature and details of the complaint.
1.G9	As soon as reasonably practicable but no later than 5 business days of receiving a complaint (or a longer period agreed to in writing by the administering authority), an investigation must be undertaken to determine: a) the potential circumstances and actions on site that may have contributed to the basis of the complaint; and b) reasonable and practicable measures that will be implemented to address the complaint.
1.G10	As soon as reasonably practicable but no later than 5 business days of investigating a complaint under condition 1.G9 (or a longer period agreed to in writing by the administering authority), the reasonable and practicable measures identified in the investigation must be implemented.
1.G11	The outcome of the investigation carried out under condition 1.G9 and the reasonable and practicable measures implemented under condition 1.G10 must be recorded.
1.G12	The activity must be undertaken in accordance with written procedures that: a) identify potential risks to the environment from the activity: i. during routine operations; and ii. outside routine operations; and iii. in an emergency (e.g., fire, flood or other natural disaster); and b) for each potential risk identified, any necessary measures to prevent or minimise the potential for environmental harm are implemented; and c) staff understand their obligations under this environmental authority and the *Environmental Protection Act 1994*; and

<table>
<tr><td></td><td>d) environmental risk management procedures are continually reviewed and improved, based on a reasonable risk-management approach.</td></tr>
<tr><td>1.G13</td><td>An appropriately qualified person must install, operate, calibrate, and maintain the plant and equipment required to carry out the activity (including monitoring devices) in a proper and effective manner.</td></tr>
<tr><td>1.G14</td><td>Records of installation, calibration and maintenance carried out under condition 1.G13 must be kept.</td></tr>
<tr><td>1.G15</td><td>Unless otherwise specified by a condition of this environmental authority, records must be:
a) kept for the period outlined in Table 1.1 – Record keeping requirements; and
b) provided to the administering authority upon request and in the format requested.
Table 1.1- Record keeping requirements<table><tr><th>Description of records</th><th>Retention requirement</th></tr><tr><td>Monitoring results</td><td>Retain for 15 years</td></tr><tr><td>All other records</td><td>Retain for 5 years</td></tr></table></td></tr>
<tr><td>1.G16</td><td>When required by the administering authority, monitoring must be undertaken in the manner prescribed by the administering authority to investigate a complaint of environmental harm, including environmental nuisance, arising from the activity. The monitoring data and an analysis of the results must be provided within 10 business days to the administering authority upon its request.</td></tr>
<tr><td colspan="2">Agency interest: Air</td></tr>
<tr><td>1.A1</td><td>Other than as permitted within this environmental authority, odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place.</td></tr>
<tr><td>1.A2</td><td>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) (PM10) 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.</td></tr>
<tr><td colspan="2">Agency interest: Land</td></tr>
<tr><td>1.L1</td><td>Contaminants must not be released to land.</td></tr>
</table>

<table>
<tr><th colspan="2">Agency interest: Noise</th></tr>
<tr><td>1.N1</td><td>Noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place.</td></tr>
<tr><td>1.N2</td><td>Noise from the activity must not include substantial low frequency noise components and must not exceed the levels identified in Table 1.2 – Noise limits and the associated requirements at any sensitive place or commercial place.

Table 1.2 – Noise limits
<table>
<tr><th rowspan="2">Noise level measured in (dB(A))</th><th colspan="3">Monday to Saturday</th><th colspan="3">Sunday and Public Holidays</th></tr>
<tr><th>7am-6pm</th><th>6pm-10pm</th><th>10pm-7am</th><th>9am-6pm</th><th>6pm-10pm</th><th>10pm-9am</th></tr>
<tr><td colspan="7">Noise measured at the nearest sensitive place</td></tr>
<tr><td>$L_{Aeq,adj,T}$</td><td>55</td><td>50</td><td>47</td><td>55</td><td>47</td><td>47</td></tr>
<tr><td>$L_{AMAX,1hr}$</td><td>N/A</td><td>N/A</td><td>52</td><td>N/A</td><td>N/A</td><td>52</td></tr>
<tr><td colspan="7">Noise measured at a commercial place</td></tr>
<tr><td>$L_{Aeq,adj,T}$</td><td>60</td><td>60</td><td>60</td><td>60</td><td>60</td><td>60</td></tr>
</table>
Associated requirements:
1) All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.
2) Any monitoring must be in accordance with the most recent version of the administering authority's Noise Measurement Manual.
3) Any monitoring of noise emissions from the activity must be undertaken when all activities are in operation.
4) Monitoring must include:
i. $L_{Aeq,adj,1hr}$ and L_{Amax};
ii. Background noise (Background) as $L_{A\ 90,\ adj,\ T}$;
iii. The level and frequency of occurrence of any impulsive or tonal noise;
iv. Atmospheric conditions including wind speed and direction;
v. Effects due to extraneous factors such as traffic noise; and
vi. Location, date and time of recording.
5) All monitoring must be performed by an appropriately qualified person(s).
6) During the monitoring period the following additional information must be gathered:
i. truck unloading rate at the time of monitoring; and
ii. the number and type of plant and equipment operating.</td></tr>
<tr><th colspan="2">Agency interest: Waste</th></tr>
<tr><td>1.W1</td><td>All waste must be lawfully reused, recycled or removed to a facility that can lawfully accept the waste.</td></tr>
<tr><td>1.W2</td><td>Incompatible wastes must not be mixed in the same container or waste storage area.</td></tr>
<tr><th colspan="2">Agency interest: Water</th></tr>
<tr><td>1.WT1</td><td>Contaminants must not be released to any waters.</td></tr>
</table>

Definitions for Part 1

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

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.

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

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

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

Incompatible waste means waste that may chemically react when:

a) placed in proximity to other wastes; and/or
b) mixed with other wastes.

$L_{Aeq\ adj,T}$ means the adjusted A weighted equivalent continuous sound pressure level measures on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the activity is causing a steady state noise, and no shorter than one hour when the approved activity is causing an intermittent noise.

Land does not include waters.

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

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

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

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

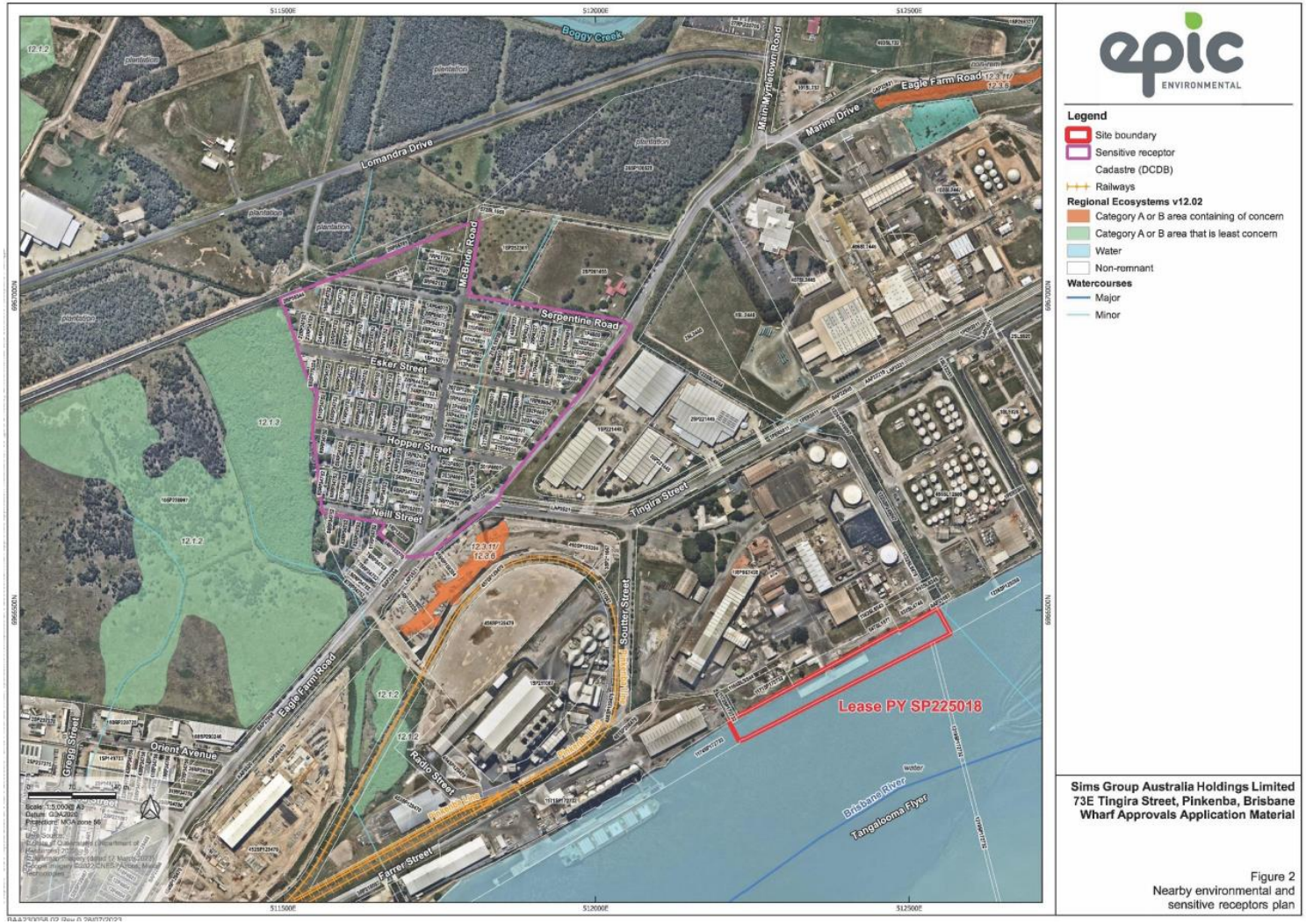
a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
b) a motel, hotel or hostel; or
c) a kindergarten, school, university or other educational institution; or
d) a medical centre or hospital; or
e) a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
f) a park or garden; or
g) for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection

h) (Noise) Policy 2019.

Substantial low frequency noise means a noise emission that has an unbalanced frequency spectrum shown in a one-third octave band measurements, with a predominant component within the frequency range 10 to 200 Hz. It includes any noise emission likely to cause an overall sound pressure level at a noise sensitive place exceeding 55 dB(Z).

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 A – Site Plan



Part 2 : Conditions of environmental authority

Location: 69-77 Tingira Street PINKENBA QLD 4008 - Lot 1/RP167498, Lot 1032/SL6879, Lot 547/SL1977 and Lot 870/SL4746

Relevant Activities: 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

The environmentally relevant activity conducted at the location as described above must be conducted in accordance with the following conditions of approval:

Agency interest: General	
Condition number	**Condition**
2.A1	The holder of this EA must: (i) install all plant and equipment necessary to ensure compliance with the conditions; and (ii) maintain all plant and equipment in a proper and efficient condition; and (iii) operate all 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 scrubbing systems and fabric filter dust collectors; (ii) devices and structures to contain foreseeable escapes of contaminants and waste; (iii) fuel burning equipment; (iv) devices and 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.
2.A2	All records must be kept for a period of at least five years and provided to the administering authority upon request.
2.A3	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.
2.A4	Sand unloading activities under this approval must be limited to a maximum quantity of 20000 tonnes and must be carried out by 30 September 2009, whichever is the sooner.
2.A5	The sand stockpile associated with the sand unloading activities must not exceed 2000 tonnes at any time.
2.A6	Records must be kept at the approved place of the time, date and quantity of sand unloaded and transported from the site.

Agency interest: Air	
2.B1	Except as otherwise provided by the conditions of the air schedule of this EA, the environmentally relevant activities must be carried out by all reasonable and practicable means necessary to prevent the release or likelihood of release of contaminants to the atmosphere.
2.B2	The release of dust or particulate matter resulting from the environmentally relevant activity must not cause any environmental nuisance to any nuisance sensitive place or commercial place.
Agency interest: Water	
2.C1	The holder of this EA must, in carrying out the environmentally relevant activities take all reasonable and practicable measures to ensure the contaminants are not 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.
2.C2	Except as otherwise provided by this EA The holder of this EA must take all reasonable and practicable measures to prevent and/or minimise the infiltration of contaminants, e.g. nutrients, to groundwater. For example taking measures to prevent the contact of urea with unsealed ground.
Agency interest: Stormwater Management	
2.D1	Except as otherwise provided by the conditions of the stormwater management schedule and the water schedule of this EA, the environmentally relevant activities must be carried out by all reasonable and practicable means necessary to prevent the release or likelihood of release of contaminated runoff, that may cause environmental nuisance or environmental harm, from the licensed place to any waters or the bed or banks of any such waters.
2.D2	The holder of this EA must ensure that appropriate and effective infrastructure and procedures designed to prevent the entry of liquid non-dangerous goods that will or may cause environmental harm to stormwater drains or surface waters are in place.
2.D3	The holder of this EA must comply with the Australian Standard AS 1940, The storage and handling of flammable and combustible liquids (or more recent versions).
Agency interest: Land application	
2.E1	Except as otherwise provided by the EA, the holder must, in carrying out the environmentally relevant activities, take all reasonable and practicable measures to prevent or minimise the release of contaminants to land.

2.E2	The only contaminant to be released to land is secondary treated sewage effluent from the Pinkenba site.
2.E3	The defined contaminant release area is the cultivated garden beds at the Pinkenba site.
2.E4	Treated effluent released to land must be done in accordance with documentation that ensures: a) drainage to groundwater and subsurface flows of contaminants to surface waters are prevented b) surface pondage and run-off of effluent is prevented c) degradation of soil structure is minimised d) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised e) spray drift or overspray does not carry beyond effluent disposal areas f) effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake g) sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.
2.E5	When weather conditions or soil conditions preclude the release of treated sewage effluent to land, effluent must not be irrigated to land.
Agency interest: Noise	
2.F1	Subject to conditions 2.F2 and 2.F3 noise from the environmentally relevant activities must not cause an environmental nuisance at any noise affected place.
2.F2	When requested by the administering authority, noise monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint of environmental nuisance at any noise affected place, and the results must be notified within 14 days to the administering authority following completion of monitoring.
2.F3	If the EA holder can provide evidence through monitoring of noise from the environmentally relevant activities, that the limits defined in Schedule F- Table 2.1 are not being exceeded (and that monitoring does not conflict with any monitoring conducted by the administering authority) then the holder is not in breach of condition 2.F1. Monitoring must include: - $L_{A\ 10,\ adj\ 10\ mins}$; - $L_{A\ 1,\ adj\ 10\ mins}$; - the frequency of occurrence of impulsive or tonal noise; - atmospheric conditions including wind speed and direction; - effects due to extraneous factors such as traffic noise; and - location, date and time of recording.

	(Note: where the results of noise monitoring are provided under a notification given to the administering authority under either sections 320 or 350 of the *Environmental Protection Act 1994,* then notification of noise monitoring results under 2.F3 is not also required). (Note: where noise monitoring is required under condition 2.F3 in response to a noise complaint under condition 2.F2 from a resident of the Morris Marina Caravan Park, monitoring equipment must be located at the boundary of the caravan park outside the closest possible permanent caravan.)
2.F4	For the purposes of compliance with condition 2.F1, of the administering authority conducts monitoring and that monitoring indicates exceedance of the limits in *Table 2.1 (Noise Limits)* from the carrying out of the environmentally relevant activities then condition 2.F3 shall not apply. **Table 2.1 (Noise Limits)**

Noise level dB(A) measured as	**Monday to Saturday**			**Sundays and public holidays**		
	7am-6pm	**6pm -10pm**	**10pm-7am**	**9am-6pm**	**6pm -10pm**	**10pm - 9am**
	Noise measured at a 'Noise sensitive place'					
$L_{A10, adj, 10mins}$	60 + 5	55 + 5	50 + 0	60 + 5	55 + 5	50 + 0
$L_{A1, adj, 10 mins}$	60 + 10	55 + 10	50 + 5	60 + 10	55 + 10	50 + 5
	Noise measured at a 'Commercial place'					
$L_{A10, adj, 10mins}$	60 + 10	55 + 10	50 + 5	60 + 10	55 + 10	50 + 5
$L_{A1, adj, 10 mins}$	60 + 15	55 + 15	50 + 10	60 + 15	55 + 15	50 + 10

Agency interest: Waste Management	
2.G1	Records of all trade waste agreements must be made available for inspection on request.
Agency interest: Self-Monitoring and Reporting	
2.H1	All complaints received by the holder of this EA relating to releases of contaminants from operations at the licensed places 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.
2.H2	A record must be maintained of the following events: (i) the time, date, nature and duration of any pollution control equipment malfunctions; (ii) the time, date, nature and duration of any shutdown of the pollution control equipment or liquid waste treatment plant; (iii) the time and date of any start-up or shut-down of manufacturing plant; (iv) the time, date, duration and source of any emergency or pressure relief venting to the atmosphere and an estimate of the quantity of contaminant released.
2.H3	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 EA, the holder of this EA must notify the administering authority of the release by telephone and/or facsimile, or email.
2.H4	The notification of emergencies or incidents as required by condition number 2.H3 must include, but is not limited to, the following: (i) the name of the holder of the EA; (ii) the location of the emergency or incident; (iii) the number of the EA; (iv) the name and telephone number of the designated contact person; (v) the time of the release; (vi) the time the holder of the EA 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.
2.H5	Not more than 28 days following the initial notification of an emergency or incident, the holder of the EA must provide written advice of the information supplied in accordance with condition number 2.H4 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. (Note: Where a notification is given to the administering authority under either sections 320 or 350 of the Environmental Protection Act 1994 for an event, then notification under conditions 2.H3 to 2.H5 is not also required.)

<table>
<tr><td>2.H6</td><td>The holder of this EA must notify the administering authority in writing of any monitoring result which indicates an exceedance of any licence limit within 28 days of the completion of analysis.</td></tr>
<tr><td>2.H7</td><td>The written notification required by condition number 2.H6 above must include:
(i) the full analysis results; and
(ii) details of investigation or corrective actions taken; and
(iii) any subsequent analysis.
(Note: Where a notification is given to the administering authority under either sections 320 or 350 of the Environmental Protection Act 1994 for an event, then notification under conditions 2.H7 to 2.H8 is not also required.)</td></tr>
<tr><td>2.H8</td><td>The holder of this EA is responsible for the making of determinations of the quality of the contaminants released for the release points, quality characteristics, and at the frequency specified in Table 2.2 - Treated effluent irrigation limits.
Table 2.2 – Treated effluent irrigation limits
<table>
<tr><th>Quality Characteristic Determination</th><th>Release Points</th><th>Frequency</th></tr>
<tr><td>5-day Biochemical Oxygen Demand</td><td>SP1</td><td>Quarterly</td></tr>
<tr><td>Faecal Coliforms (cfu/100 ml)</td><td>SP1</td><td>Quarterly</td></tr>
<tr><td>Dissolved Oxygen</td><td>SP1</td><td>Quarterly</td></tr>
</table></td></tr>
<tr><td>2.H9</td><td>Determinations of the quality of contaminants released to land must be undertaken at the sampling and measurement point(s) described as:
SP1 - Pinkenba site-secondary treated effluent to be irrigated on site.</td></tr>
</table>

Definitions for Part 2

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

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.

Approval means this environmental authority.

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

Coefficient of variation means the standard deviation divided by the mean multiplied by 100. The standard deviation is the root mean square of the deviations of a set of values.

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.

Exceptional Circumstances means plant shutdowns, start-ups, electricity blackouts and defined events.

LA 10, adj, 10 mins 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.

LA 1, adj, 10 mins' means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10-minute measurement period, using Fast response.

Land does not include waters.

mg/L means milligrams per litre.

NATA means National Association of Testing Authorities.

Noise sensitive place means -

a) a dwelling, 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; or

f) a park or gardens; and

g) includes a curtilage of such place.

Noxious means harmful or injurious to health or physical wellbeing.

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

ppm means parts per million.

Protected area means - a protected area under the *Nature Conservation Act 1992;* or

a) a marine park under the *Marine Parks Act 1992;* or

b) a World Heritage Area.

Receptor A means the monitoring station located on Lot 637 Plan SL2144 at 77 Tingira Street Pinkenba QLD 4008 or other location agreed to in writing by the administering authority.

Receptor B means the monitoring station located on Lot 724 Plan SP144875 at the corner of Wyuna Court and Anton Road Hemmant QLD or other location agreed to in writing by the administering authority.

Receptors means both Receptor A and Receptor B.

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

Sand is clean sand sourced from the Spitfire Channel.

Secondary treated effluent means a level of treatment that removes 85% of BOD and suspended solids, by biological or chemical treatment processes. Secondary effluent generally has BOD <20 mg/l and suspended solids< 30mg/l but this may rise to >100 mg/l due to algal solids in lagoon or pond systems.

Site means land or tidal waters on or in which it is proposed to carry out the development approved under this environmental authority.

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