

Permit

Environmental Protection Act 1994

Environmental authority EPPR00789313

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

Environmental authority number: EPPR00789313

Environmental authority takes effect on 21 December 2018

Environmental authority holder(s)

Name(s)	Registered address
Teys Australia Beenleigh Pty Ltd	2728 Logan Road EIGHT MILE PLAINS QLD 4113

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 122/W31722
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 2/RP46665
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 127/SP174628
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 123/SP174628
Prescribed ERA, ERA 25 - Meat Processing, 2: Processing, including rendering, in a year, the following quantity of meat or meat products, (c) more than 50,000t	Lot 124/SP174628

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

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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.

Environmental authority

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

Enquiries:
Heritage, Utilities and Government Assessment
Department of Environment and Science
Phone: 1300 130 372
Email: palm@des.qld.gov.au

Date issued: 21 December 2018

Environmental authority

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)

Legislative Requirements and Conditions of Environmental Authority

Legislative Requirements

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.

Conditions of Environmental Authority

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
25-(2c) Meat processing, including rendering, in a year, more than 50,000t of meat products	Logan River Road, BEENLEIGH QLD 4207 Lot 123, 124 and 127 Plan SP174628, Lot 122 Plan W31722 and Lot 2 Plan RP46665

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

Agency interest: General	
Condition number	Condition
G1	The activity must be undertaken in accordance with written procedures that: (a) identify potential risks to the environment from the activity during routine operations, closure and an emergency (b) establish and maintain control measures that minimise the potential for environmental harm (c) ensure plant, equipment and measures are maintained in a proper and effective condition (d) ensure plant, equipment and measures are operated in a proper and effective manner (e) ensure that staff are trained in and aware of their obligations under the <i>Environmental Protection Act 1994</i> (f) ensure that reviews of environmental performance are undertaken at least annually.
G2	All reasonable and practicable measures must be taken to prevent or minimise environmental harm caused by the activities .
G3	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.
G4	All information and records required by the conditions of this environmental authority must be kept for a minimum of five years with the exception of environmental monitoring results which must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the administering authority upon request and in the format requested.
G5	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G6	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system .

G7	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.																								
G8	You must record the following details for all environmental complaints received: 1. date and time complaint was received 2. name and contact details of the complainant when provided and authorised by the complainant 3. nature of the complaint 4. investigations undertaken 5. conclusions formed 6. actions taken.																								
G9	An annual monitoring report must be prepared and submitted to the administering authority by 30 November each year, for the preceding financial year.																								
Agency interest: Air																									
Condition number	Condition																								
A1	Contaminants must only be released to air from the point source(s) in accordance with <i>Table 1 – Point source air release limits</i> and the associated requirements. <table><tr><th colspan="4">Table 1 – Point source air release limits</th></tr><tr><th>Release Point Number</th><th>Source Description</th><th>Minimum Release Height (m)</th><th>Minimum Efflux Velocity (m/s)</th></tr><tr><td>RP1</td><td>Stack on 1 x 10MW Trevor water-tube gas-fired Boiler</td><td>8</td><td>10</td></tr><tr><td>RP2</td><td>Stack on 1 x 4MW General Energy water-tube gas-fired Boiler</td><td>8</td><td>10</td></tr><tr><td>RP3</td><td>Outlet on 1 x Wet Scrubber for treated rendering plant gases</td><td>10</td><td>15</td></tr><tr><td>RP4</td><td>Outlet for 1 x Ventilation Fan for rendering plant air</td><td>10</td><td>15</td></tr></table> Associated monitoring requirements 1. Contaminants released from each release points specified in Table 1 must be directed vertically upwards without any impedance or hindrance. 2. Contaminants must be released to the atmosphere from a release points at a velocity not less than the corresponding velocity stated for that release point in Table 1. 3. Point source odours must only be released from release points RP3 and RP4, subject to the conditions of this permit.	Table 1 – Point source air release limits				Release Point Number	Source Description	Minimum Release Height (m)	Minimum Efflux Velocity (m/s)	RP1	Stack on 1 x 10MW Trevor water-tube gas-fired Boiler	8	10	RP2	Stack on 1 x 4MW General Energy water-tube gas-fired Boiler	8	10	RP3	Outlet on 1 x Wet Scrubber for treated rendering plant gases	10	15	RP4	Outlet for 1 x Ventilation Fan for rendering plant air	10	15
Table 1 – Point source air release limits																									
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RP3	Outlet on 1 x Wet Scrubber for treated rendering plant gases	10	15																						
RP4	Outlet for 1 x Ventilation Fan for rendering plant air	10	15																						
A2	The only type of fuel to be burned in industrial fuel burning equipment is natural gas.																								
A3	Odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place .																								
A4	In the event of odorous emission occurring from industrial plant or ducting within the process building rendering of animal matter in the processing line served by that industrial plant or ducting must cease and must not recommence until the fault or omission which resulted in the emission is corrected, except in the case where such fault or omission is corrected within 60 minutes of its detection.																								

Agency interest: Waters																							
Condition number	Condition																						
WT1	Other than as permitted within this environmental authority, contaminants must not be released to any waters .																						
WT2	The holder of this approval must make determinations of the quality of the waters of on-site and neighbouring creeks by measuring the quality parameters specified in <i>Table 4 – Monitoring of water quality in onsite and neighbouring creeks</i> at the monitoring locations and frequency specified, and which complies with the following: Table 4 – Monitoring of water quality in onsite and neighbouring creeks <table><tr><th>Quality Parameter Determination</th><th>Monitoring Locations</th><th>Frequency</th></tr><tr><td>pH (pH units)</td><td>2A, 2B, 2C, 2D, 3A, 3B</td><td>Monthly</td></tr><tr><td>Electrical Conductivity (µS/cm)</td><td>2A, 2B, 2C, 2D, 3A, 3B</td><td>Monthly</td></tr><tr><td>Dissolved Oxygen (mg/L and % saturation)</td><td>2A, 2B, 2C, 2D, 3A, 3B</td><td>Monthly</td></tr><tr><td>Total Nitrogen (mg/L)</td><td>2A, 2B, 2C, 2D, 3A, 3B</td><td>Monthly</td></tr><tr><td>Total Phosphorus (mg/L)</td><td>2A, 2B, 2C, 2D, 3A, 3B</td><td>Monthly</td></tr><tr><td>5-day Biochemical Oxygen Demand (mg/L)</td><td>2A, 2B, 2C, 2D, 3A, 3B</td><td>Monthly</td></tr></table> Associated requirements - Monitoring must be in accordance with the administering authority's <i>Water Quality Sampling Manual</i> and all monitoring devices must be effectively calibrated and maintained. - Samples must be taken after a minimum of two (2) hours of the start of the release of contaminants to land. - Monitoring locations: 2A is a point on the unnamed creek 'watercourse 2' as it enters the premises by crossing the southern border of Lot 124 Plan SP174628. 2B is a point on the unnamed creek 'watercourse 2' as it exits the premises by crossing the north-eastern corner of Lot 123 Plan SP174628. 2C is a point on the unnamed creek that originates from the east of the premises as it enters the premises by crossing the eastern border of Lot 123 Plan SP174628. 2D is a point on the unnamed creek 'watercourse 2', immediately upstream of the unnamed creek that originates from the east of the premises as it enters the premises by crossing the eastern border of Lot 123 Plan SP174628. 3A is a point on the unnamed creek 'watercourse 3', as it enters the premises by crossing the southern border of Lot 127 Plan SP174628. 3B is a point on the unnamed creek 'watercourse 3' immediately upstream of the confluence with the unnamed creek from the housing estate that enters the premises by crossing the northern border of Lot 127 Plan WD SP174628.		Quality Parameter Determination	Monitoring Locations	Frequency	pH (pH units)	2A, 2B, 2C, 2D, 3A, 3B	Monthly	Electrical Conductivity (µS/cm)	2A, 2B, 2C, 2D, 3A, 3B	Monthly	Dissolved Oxygen (mg/L and % saturation)	2A, 2B, 2C, 2D, 3A, 3B	Monthly	Total Nitrogen (mg/L)	2A, 2B, 2C, 2D, 3A, 3B	Monthly	Total Phosphorus (mg/L)	2A, 2B, 2C, 2D, 3A, 3B	Monthly	5-day Biochemical Oxygen Demand (mg/L)	2A, 2B, 2C, 2D, 3A, 3B	Monthly
Quality Parameter Determination	Monitoring Locations	Frequency																					
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Total Phosphorus (mg/L)	2A, 2B, 2C, 2D, 3A, 3B	Monthly																					
5-day Biochemical Oxygen Demand (mg/L)	2A, 2B, 2C, 2D, 3A, 3B	Monthly																					
WT3	Monitoring of Groundwater The registered operator of this environmental authority must maintain bores for the purpose of sampling and analysing groundwater at the following locations: - a point on Lot 124 Plan SP174628, immediately upstream of the confluence with 'watercourse 3' and the unnamed creek that originates from the housing estate to the north of the premises. - a point on Lot 123 Plan SP174628, immediately below the confluence with 'watercourse 2' and the unnamed creek that originates from the east of the premises. - a point on Lot 122 Plan SP174628, adjacent to the point where 'watercourse 2' enters the premises.																						
WT4	Each groundwater-monitoring more must be fitter with a locked cap at all times other than at the time of sampling.																						

WT5	The registered operator of this environmental authority is responsible for ensuring a groundwater monitoring program is performed which complies with the following requirements: (a) All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the administering authority's Water Quality Sampling Manual, third edition or more recent editions or supplements to that document as such become available. (b) All determinations of the quality of the quality of contaminants released must be performed by a person or body possessing appropriate experience and qualifications to perform the required measurements. (c) Standing water levels in metres must be measured and recorded on each occasion that samples are obtained. Such measurement must be undertaken prior to any disturbance by sampling and must be reported as the depth in meters from top edge of the casing collar to the water surface within the bore. (d) Samples of groundwater must be taken quarterly from each of the bores. (e) The samples obtained in accordance with paragraph (d) of this condition must be analysed for: (i) pH; (ii) Electrical Conductivity; (iii) Total Dissolved Solids; (iv) Chemical Oxygen Demand; (v) Total Nitrogen; and (vi) Total Phosphorus.
Agency interest: Land	
Condition number	Condition
L1	Other than as permitted within this environmental authority, contaminants must not be released to any land .
L2	The only contaminants to be released to land are treated effluent from the final aerobic treatment pond(s) or wet weather storage pond(s) and the sustainable application of "beneficial reuse biosolids".
L3	The defined contaminant release area is described as "Irrigation Area B" and "Irrigation Area C" as marked on "Figure 4: Irrigation Area Details" of the document "Abattoir and Rendering Facility Environmental Risk Assessment" submitted within the development application material.
L4	The treated wastewaters from the effluent treatment plant must only be disposed of on the areas described as: Lots 123, 124 and 127 Plan SP174628, Lot 122 Plan W31722, Lot 2 Plan RP46665, located at Logan River Road, Beenleigh and to those areas of land where the holder of this environmental authority has a legal agreement or contract to dispose of treated wastewaters onto that property or supply treated effluent for reuse.
L5	Treated sewage effluent may be removed from the site and used for an alternate purpose, with the written consent of any third party involved.
L6	A minimum of 65 hectares of land, excluding any necessary buffer zones, dams, buildings and stockyards must be provided for the contaminant release area.

L7	The only contaminants to be released to land are treated effluent in accordance with <i>Table 2 - Treated effluent release limits to irrigation area</i> and the associated requirements. Table 2 – Treated effluent release limits to irrigation area <table><tr><th>Quality Characteristic</th><th>Release Limit</th><th>Limit Type</th><th>Monitoring Location</th><th>Frequency</th></tr><tr><td>BOD₅ (mg/L)</td><td>100</td><td>Maximum</td><td>Irrigation Water Pond as close as practicable to the inlet of the irrigation pump</td><td>As of as necessary to check compliance with the conditions of this approval, but not less than monthly</td></tr><tr><td>Suspended Solids (mg/L)</td><td>100</td><td>Maximum</td><td></td><td></td></tr><tr><td>Total Nitrogen (mg/L as N)</td><td>150</td><td>Maximum</td><td></td><td></td></tr><tr><td>Total Phosphorus (mg/L as P)</td><td>45</td><td>Maximum</td><td></td><td></td></tr><tr><td>Electrical Conductivity (µS/cm)</td><td>2000</td><td>Maximum</td><td></td><td></td></tr><tr><td>Dissolved oxygen (mg/L)</td><td>2</td><td>Minimum</td><td></td><td></td></tr><tr><td>pH (pH units)</td><td>6.5 – 8.5</td><td>Range</td><td></td><td></td></tr></table> Associated monitoring requirements 1. All determinations of the quality of contaminants released must be performed in accordance with the methods prescribed in the administering authority's Water Quality Sampling Manual. 2. The release must not have any properties nor contain any organisms or contaminants in concentrations which, in the opinion of the administering authority, are capable of causing environmental harm or environmental nuisance. 3. The daily quantity of contaminants released must be determined by an appropriate and accurate method, for example, a flow meter.	Quality Characteristic	Release Limit	Limit Type	Monitoring Location	Frequency	BOD ₅ (mg/L)	100	Maximum	Irrigation Water Pond as close as practicable to the inlet of the irrigation pump	As of as necessary to check compliance with the conditions of this approval, but not less than monthly	Suspended Solids (mg/L)	100	Maximum			Total Nitrogen (mg/L as N)	150	Maximum			Total Phosphorus (mg/L as P)	45	Maximum			Electrical Conductivity (µS/cm)	2000	Maximum			Dissolved oxygen (mg/L)	2	Minimum			pH (pH units)	6.5 – 8.5	Range		
Quality Characteristic	Release Limit	Limit Type	Monitoring Location	Frequency																																					
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Dissolved oxygen (mg/L)	2	Minimum																																							
pH (pH units)	6.5 – 8.5	Range																																							
L8	The registered operator of this environmental authority is responsible for sampling and analysing topsoil and subsoil samples taken annually from the contaminant release areas identified as Irrigation Area B and Irrigation Area C in “Figure 4: Irrigation Area Details” of the document “Abattoir and Rendering Facility Environmental Risk Assessment” submitted with the environmental authority application. The samples must be analysed for: a) pH; b) salinity; c) Total Nitrogen; d) Total Phosphorus; e) Total Potassium; f) sodium; g) calcium; h) magnesium; i) chlorine; j) exchangeable cations; k) exchangeable sodium percentage (ESP); l) organic carbon.																																								
L9	When weather conditions or soil conditions preclude the release of treated sewage effluent to land, effluent must not be irrigated to land.																																								
L10	All ponds used for the storage or treatment of contaminants or waste must be installed, operated and maintained to prevent any discharge through the bed and banks of the pond to any waters (including ground waters).																																								
L11	All ponds for the storage or treatment of contaminants or wastes must be installed and maintained so that a freeboard of not less than 0.5 metres is maintained at all times.																																								

L12	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) degradation of soil structure is minimised (c) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised (d) spray drift or overspray does not carry beyond effluent disposal areas (e) effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake (f) sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.
L13	The release of contaminants to land must not be carried out within 20 metres of any watercourse.
L14	The release of contaminants to land must not be carried out within 10 metres of any boundary of the approved place.

Agency interest: Noise

Condition number	Condition																																																						
N1	Other than as permitted within this environmental authority, noise generated by the activity must not cause environmental nuisance to any sensitive place or commercial place .																																																						
N2	Noise from the activity must not include substantial low frequency noise components and must not exceed the levels identified in <i>Table 3 – Noise limits</i> and the associated requirements at any nuisance sensitive place or commercial place. Table 3 – Noise limits <table><tr><th rowspan="3">Noise level dB(A) measured as</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><th colspan="6">Noise measured at the nearest sensitive place</th></tr><tr><td>L_{A10,adj,10mins}</td><td>55</td><td>50</td><td>40</td><td>55</td><td>50</td><td>40</td></tr><tr><td>L_{A1, adj, 10mins}</td><td>60</td><td>55</td><td>45</td><td>60</td><td>55</td><td>45</td></tr><tr><th></th><th colspan="6">Noise measured at a commercial place</th></tr><tr><td>L_{A10,adj,10mins}</td><td>60</td><td>55</td><td>46</td><td>60</td><td>55</td><td>45</td></tr><tr><td>L_{A1, adj, 10mins}</td><td>65</td><td>60</td><td>50</td><td>65</td><td>60</td><td>50</td></tr></table> Associated requirements 1. Monitoring must be in accordance with the administering authority's <i>Noise Measurement Manual</i>.	Noise level dB(A) measured as	Monday to Saturday			Sunday and Public Holidays			7am–6pm	6pm–10pm	10pm–7am	9am–6pm	6pm–10pm	10pm–9am	Noise measured at the nearest sensitive place						L _{A10,adj,10mins}	55	50	40	55	50	40	L _{A1, adj, 10mins}	60	55	45	60	55	45		Noise measured at a commercial place						L _{A10,adj,10mins}	60	55	46	60	55	45	L _{A1, adj, 10mins}	65	60	50	65	60	50
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L _{A1, adj, 10mins}	65	60	50	65	60	50																																																	
N3	When requested by the administering authority noise monitoring must be undertaken to investigate any complaint of noise annoyance. Monitoring must include: 1. L_{A10,adj,10mins}; 2. L_{A1,adj,10mins}; 3. the level and frequency of occurrence of impulsive or tonal noise; 4. atmospheric conditions including wind speed and direction; 5. effects due to extraneous factors such as traffic noise; and 6. location, date and time of recording.																																																						

Agency interest: Waste

Condition number	Condition
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.

W2	The registered operator of this environmental authority must not: (a) burn waste at or on the approved place; nor (b) allow waste to burn or be burnt at or on the approved place; nor (c) remove waste from the approved place and burn such waste elsewhere, unless carried out at a site approved by the administering authority.
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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.

Act means the *Environmental Protection Act 1994*.

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 successor 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.

Beneficial reuse is the use of nutrients and other characteristics in biosolids at or below the agronomic loading rate or use of the soil conditioning properties of the biosolids.

Biosolids is the nutrient rich organic matter from the treatment of wastewater. This means that untreated wastewater material is excluded.

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 watercraft in a marina.

Groundwater means water that occurs naturally in, or is introduced artificially into, an aquifer.

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 Acoustic – Descriptions and Measurement of Environmental Noise Part 2 – Application to Specific Situations*.

L_{A 10, adj, 10 mins} means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 90% of any 10 minute measurement period, using Fast response.

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

Land in the Land Application Schedule means land excluding waters and the atmosphere.

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

mg/L means milligrams per litre.

Noise affected premises means a ‘sensitive place’ or a ‘commercial place’.

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

Offensive means in relation to odour, an odour which is unreasonable having regard to its frequency, intensity, duration and location in which it is detected and which odour is offensive, disgusting, nauseous or repulsive.

Protected area means:

- (a) a protected area under the Nature Conservation Act 1992; or
- (b) a marine park under the Marine Parks Act 2004; or
- (c) a World Heritage Area.

Release of a contaminant into the environment means to:

- (a) deposit, discharge, emit or disturb the contaminant
- (b) cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- (c) fail to prevent the contaminant from being deposited, discharged emitted or disturbed
- (d) allow the contaminant to escape
- (e) fail to prevent the contaminant from escaping.

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

Sensitive place includes 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 thoroughfare, park or gardens; or
7. for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

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).

Total Nitrogen (TN) means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen, expressed as mg/L as Nitrogen. This includes both the inorganic and organic fraction of nitrogen.

µS/cm means microsiemens per centimetre.

µg/L means micrograms per litre.

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 PERMIT