

Permit

Environmental Protection Act 1994

Environmental authority EPPR03842716

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

Environmental authority number: EPPR03842716

Environmental authority takes effect on 23-09-2019

Environmental authority holder

Name(s)	Registered address
Jimbour Beef & Bacon Pty Ltd	141 Adelaide Street MARYBOROUGH QLD 4650

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 25 (1)(a) – Meat processing not including rendering, in a year, the following quantity of meat or meat products, 1,000t to 5,000t	Lot 4 on Plan SP121405
ERA 25 (1)(a) – Meat processing not including rendering, in a year, the following quantity of meat or meat products, 1,000t to 5,000t	Lot 363 on Plan AG2877
ERA 25 (1)(b) – Meat processing not including rendering, in a year, the following quantity of meat or meat products, 5,000t to 50,000t	Lot 362 on Plan RP909608

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.

Dorota Rosiak
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 23 September 2019

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 1 – Conditions for the former EPPR00867513

Environmentally relevant activities	Locations
ERA 25 (1)(a) – Meat processing not including rendering, in a year, the following quantity of meat or meat products, 1,000t to 5,000t	Lot 4 on Plan SP121405 56 Jimbour Station Road, JIMBOUR EAST QLD 4406
ERA 25 (1)(a) – Meat processing not including rendering, in a year, the following quantity of meat or meat products, 1,000t to 5,000t	Lot 363 on Plan AG2877 1709 Macalister Bell Road, JIMBOUR EAST QLD 4406

Eligibility criteria

Eligibility criteria category	Eligibility criteria
Activity description	The activity is the processing of 1000 tonnes to 5000 tonnes of meat in a year where the activity does not include rendering.
Activity location	The facility is not within 1000 metres of: - a dwelling, residential allotment, mobile home or caravan park, residential marina, motel, hotel or hostel or other residential premises - a kindergarten, school, university, library, childcare centre or other educational institution - a medical centre or hospital - a protected area under the <i>Nature Conservation Act 1992</i> - a public park or gardens. The facility is not in any category A or B environmentally sensitive area. The facility is not in a designated precinct in a strategic environmental area as defined in the Regional Planning Interests Regulation 2014 or regional plan. The facility must be located above the Q100 flood level. The facility is not within 100 metres of any watercourse, wetland or spring.
Air	The combustion of fuel , other than natural gases, does not exceed 500 kilograms per hour.
Water	There is no release of aqueous waste from the activity to waters.

Standard conditions (S)

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

Agency interest: General	
Condition number	Condition
S-G1	All reasonable steps must be taken to ensure the activity complies with the eligibility criteria.
S-G2	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; b) establish control measures that minimise the potential for environmental harm; c) ensure plant and equipment is maintained and operated in proper and effective condition; d) ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i>; and e) ensure that reviews of environmental performance are undertaken at least annually.
S-G3	The activity must not cause environmental nuisance at a nuisance sensitive place.
S-G4	Storage of chemicals and fuels in bulk or in containers of greater than 15 litres must be within a secondary containment system and releases from the containment system controlled in a manner that prevents environmental harm.
Agency interest: Noise	
Condition number	Condition
S-N1	The activity must not cause audible noise : a) on a business day or Saturday, before 7.00am or after 7.00pm; b) on any other day, before 8.00am or after 7.00pm at any of the following places: i. a dwelling, mobile home or caravan park, residential marina, motel, hotel or hostel or other residential premises; ii. a kindergarten, school, university, library, childcare centre or other educational institution; or iii. a medical centre or hospital.
Agency interest: Air	
Condition number	Condition
S-A1	Emissions, including combustion gases, released from vents or stacks must achieve sufficient dispersion to prevent environmental harm.

Agency interest: Water	
Condition number	Condition
S-W1	Stormwater contaminated by the activity must be managed to minimise or prevent any adverse impacts on the values of the receiving environment.
S-W2	Ponds used for the storage or treatment of aqueous waste must be constructed, installed and maintained to: a) prevent any release of aqueous waste from the ponds; and b) ensure the stability of the pond structure.
S-W3	Aqueous waste must not be treated using anaerobic or facultative systems.
Agency interest: Land	
Condition number	Condition
S-L1	Contaminants from the activity must not be released to land, except as authorised by under S-D1.
S-D1	Release of aqueous waste to land Treated aqueous waste is permitted to be released to land provided that it is done in accordance with a written procedure that ensures: a) irrigation areas of sufficient area are identified and provided for aqueous waste application; b) aqueous waste is applied at a loading rate that can be assimilated by the irrigation area; c) infiltration to groundwater and subsurface flows of contaminants to surface waters are prevented; d) surface pondage and run-off of aqueous waste is prevented; e) degradation of soil structure is minimized; f) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimized; g) spray drift or overspray does not carry beyond aqueous waste release areas; h) aqueous waste release areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and i) the crop on the release area is harvested and removed from the release area.
S-D2	When weather conditions or soil conditions preclude the release of aqueous waste to land, aqueous waste must be directed to wet weather storage or be lawfully removed from the site.
Agency interest: Waste	
Condition number	Condition
S-R1	Other than aqueous waste released to land in accordance with condition S-D1, all waste generated in carrying out the activity must be reused, recycled or lawfully disposed of offsite.

Part 2 – Conditions for the former EPPR03842716

Environmentally relevant activity	Location
ERA 25 (1)(b) – Meat processing not including rendering, in a year, the following quantity of meat or meat products, 5,000t to 50,000t	Lot 362 on Plan RP909608 1889 Macalister Bell Road JIMBOUR EAST QLD 4406

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
G1	Activities conducted under this environmental authority must not be conducted contrary to any of the following limitations: a) disposal of treated wastewater and sludge is to be carried out within the dedicated areas depicted within Drawing Number 8397 Masterplan/Wastewater Utilisation, Figure 14(D), titled 'SBMP Jimbour Butchery (Macalister Bell Road) Wastewater Utilisation Areas Plan', Wattlevilla Pty Ltd Jimbour, QLD 4406, dated 08/12/2015 provided in Schedule 1; b) a minimum of 50 metres of buffer distance must be maintained from the property boundary, from Jimbour Creek (SO6) and from the stream order (SO1) / drainage line as depicted in Schedule 1; c) a minimum of 100 metres of buffer distance must be maintained between the mapped vegetation area depicted within Drawing Number 8397 Masterplan/Wastewater Utilisation, Figure 14(D), titled 'SBMP Jimbour Butchery (Macalister Bell Road) Wastewater Utilisation Areas Plan', Wattlevilla Pty Ltd Jimbour, QLD 4406, dated 08/12/2015 provided in Schedule 1; d) the daily maximum volume of wastewater production must not exceed 123 cubic metres; and e) the capacity of the wet weather storage must not be less than 9.5 mega litres.
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	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G5	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.
G6	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 <i>Environmental Protection Act 1994</i>; and f) ensure that reviews of environmental performance are undertaken at least annually.
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	A receiving environment monitoring program must be designed and implemented by appropriately qualified persons to monitor the effects of the activity on land and groundwater .
G9	The receiving environment monitoring program required by condition G8, must include at least the following: Soil monitoring: a) soil and sub-soil analysis, including assessment of the soils from representative locations, including structure, pH, phosphorus adsorption level and capacity, nutrient status, salinity and sodicity, and cation exchange capacity of the irrigation release areas; and b) determination of the quantity and quality of contaminants applied to the soils from the irrigation; and c) periodic re-assessment including modelling of the water, nutrient and salt balances and irrigation rate and return period to ensure sustainable use of the irrigation area; and d) reporting of monitoring results and an assessment of the impact of the releases on the irrigation areas. Groundwater monitoring: a) should be able to determine the impacts of the licensed activity on the groundwater quality and levels in the underlying aquifer; and b) include, but not be limited to, a sufficient number of bores (minimum of three) installed at locations and depths which yield representative groundwater samples from at least the upper-most aquifer so as to: c) establish the quality of groundwater that has not been affected by seepage or drainage of contaminants to groundwater from the activity; and d) detect any seepage of contaminants to groundwater from the licensed place; and e) include monitoring of background groundwater quality, hydraulically up-gradient of any release of contaminants to groundwater; and f) include monitoring of upstream groundwater quality, hydraulically down gradient of all storage ponds, wastewater treatment plant and irrigation areas; g) include, six monthly monitoring of the quality of groundwater during the first two years of the plant upgrade, to detect any possible release(s) of contaminants, and then twelve monthly monitoring afterwards; and

	h) consider the potential use of groundwater in the vicinity.
G10	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.
G11	An annual monitoring report must be prepared and submitted to the administering authority by 30 November each year, for the preceding financial year.
G12	You must record the following details for all environmental complaints received: a) date and time complaint was received; b) name and contact details of the complainant; c) nature of the complaint; d) investigations undertaken; e) conclusions formed; and f) actions taken.
G13	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.
G14	Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system .
G15	All reasonable and practicable measures must be taken to exclude vectors and pest species to the extent necessary to prevent: a) environmental nuisance to occupiers of neighbouring premises; and b) any danger or risk to the health of any persons.
Agency interest: Air	
Condition number	Condition
A1	Odours or airborne contaminants must not cause environmental nuisance to any sensitive place or commercial place .
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 micrometer (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 alternative method which is permitted by the <i>Air Quality Sampling Manual</i> as published by the administering authority.

A3	Dust and particulate matter monitoring must: a) be undertaken at a frequency and for the parameters as requested by the administering authority in writing; and b) be carried out at places relevant to the potentially affected sensitive place or commercial place and at suitable representative reference site(s) unlikely to be affected by the activity; and c) be carried out at a sufficient number of monitoring points to enable compliance assessment with condition A2 above; and d) take into account; i. locations of dust and particulate sources; ii. locations of persons or sites potentially affected by any release of dust or particulate matter from the activity; and e) be carried out in accordance with the latest edition of the administering authority's Air Quality Sampling Manual; and f) be undertaken in conjunction with the recording of precipitation, wind speed and direction in accordance with the requirements of the relevant standards as discussed in condition A2.																														
Agency interest: Water																															
Condition number	Condition																														
WT1	Contaminants must not be released to any waters .																														
Agency interest: Land																															
Condition number	Condition																														
L1	Other than permitted under condition L4, the only contaminants to be released to land are treated wastewaters in accordance with Table 2 – Treated wastewaters release limits to irrigation areas and the associated requirements. Table 2 – Treated wastewater release limits to irrigation area¹ <table><tr><th>Quality Characteristic (units)²</th><th>Minimum²</th><th>Medium²</th><th>Maximum²</th><th>Minimum frequency^{2,4}</th></tr><tr><td>BOD5 (mg/L)⁶</td><td></td><td>16</td><td>-</td><td>Quarterly</td></tr><tr><td>Total Suspended Solids (mg/L)⁶</td><td>-</td><td>30</td><td>-</td><td>Quarterly</td></tr><tr><td>Total Nitrogen (mg/L as N)⁷</td><td>-</td><td>240</td><td></td><td>Quarterly</td></tr><tr><td>Total Phosphorus (mg/L as P)⁷</td><td>-</td><td>9</td><td>-</td><td>Quarterly</td></tr><tr><td>pH (pH units)</td><td>6.0</td><td>-</td><td>8.5</td><td>Quarterly</td></tr></table>	Quality Characteristic (units) ²	Minimum ²	Medium ²	Maximum ²	Minimum frequency ^{2,4}	BOD5 (mg/L) ⁶		16	-	Quarterly	Total Suspended Solids (mg/L) ⁶	-	30	-	Quarterly	Total Nitrogen (mg/L as N) ⁷	-	240		Quarterly	Total Phosphorus (mg/L as P) ⁷	-	9	-	Quarterly	pH (pH units)	6.0	-	8.5	Quarterly
Quality Characteristic (units) ²	Minimum ²	Medium ²	Maximum ²	Minimum frequency ^{2,4}																											
BOD5 (mg/L) ⁶		16	-	Quarterly																											
Total Suspended Solids (mg/L) ⁶	-	30	-	Quarterly																											
Total Nitrogen (mg/L as N) ⁷	-	240		Quarterly																											
Total Phosphorus (mg/L as P) ⁷	-	9	-	Quarterly																											
pH (pH units)	6.0	-	8.5	Quarterly																											

	<table><tr><td>Escherichia coli (cfu/100mL)</td><td>-</td><td>480</td><td>-</td><td>Quarterly</td></tr><tr><td>Electrical Conductivity (µS/cm)</td><td>-</td><td>1500</td><td>-</td><td>Quarterly</td></tr></table> Associated requirements: 1. Total irrigation area must not be less than 57.2 hectares as outlined in attached plan — Schedule 1. 2. Monitoring must be in accordance with the administering authority's Water Quality Sampling Manual and all monitoring devices must be effectively calibrated and maintained. 3. Monitoring must be undertaken when treated water is being irrigated, unless irrigation has ceased for longer than the relevant parameters specified minimum frequency (e.g. if TSS was only required to be monitored once a week, then a TSS sample would not be required after the first week following cessation of the release). 4. Volume of release must be calculated based on the total irrigation area when irrigating the maximum volume or worked out for the area of application based on the actual volume irrigated. 5. Indicators for TN and TP are recommended to be done as grab samples.	Escherichia coli (cfu/100mL)	-	480	-	Quarterly	Electrical Conductivity (µS/cm)	-	1500	-	Quarterly
Escherichia coli (cfu/100mL)	-	480	-	Quarterly							
Electrical Conductivity (µS/cm)	-	1500	-	Quarterly							
L2	Treated wastewater released to land must be done in accordance with documentation that ensures: a) irrigation must cease at or below the field capacity of soil; b) treated wastewater and sludge must be irrigated and spread out evenly across the allocated land area; c) drainage to groundwater and subsurface flows of contaminants to surface waters are prevented; d) surface pondage and run-off of treated wastewater is prevented; e) degradation of soil structure is minimised; f) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; g) spray drift or overspray does not carry beyond treated wastewater disposal areas; h) irrigation disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and i) sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors.										
L3	When weather conditions or soil conditions preclude the release of treated wastewater to land, treated wastewater must not be irrigated to land.										
L4	Other than permitted under condition L1. The only contaminants to be released to land are sludge removed from the anaerobic and facultative ponds in accordance with table 3 – Sludge monitoring in dedicated disposal areas. Table 3 – Sludge Monitoring to dedicated disposal areas¹ <table><tr><th>Quality Characteristics (units)</th><th>Monitoring frequency</th></tr><tr><td>Applied irrigation area (1, 2, 3)</td><td>Time of application to land</td></tr><tr><td>Colwell Phosphorus Colwell (kg/ha)</td><td>Representative samples taken at the time of application to land</td></tr></table>	Quality Characteristics (units)	Monitoring frequency	Applied irrigation area (1, 2, 3)	Time of application to land	Colwell Phosphorus Colwell (kg/ha)	Representative samples taken at the time of application to land				
Quality Characteristics (units)	Monitoring frequency										
Applied irrigation area (1, 2, 3)	Time of application to land										
Colwell Phosphorus Colwell (kg/ha)	Representative samples taken at the time of application to land										

	<table><tr><td>Nitrate Nitrogen, NO3-N(kg/ha)</td><td>Representative samples taken at the time of application to land</td></tr><tr><td>Exchangeable Sodium Percentage, ESP</td><td>Representative samples taken at the time of application to land</td></tr><tr><td>Electrical Conductivity, EC 1:5</td><td>Representative samples taken at the time of application to land</td></tr><tr><td>pH (pH units)</td><td>Representative samples taken at the time of application to land</td></tr><tr><td>Chloride</td><td>Representative samples taken at the time of application to land</td></tr></table>	Nitrate Nitrogen, NO3-N(kg/ha)	Representative samples taken at the time of application to land	Exchangeable Sodium Percentage, ESP	Representative samples taken at the time of application to land	Electrical Conductivity, EC 1:5	Representative samples taken at the time of application to land	pH (pH units)	Representative samples taken at the time of application to land	Chloride	Representative samples taken at the time of application to land								
Nitrate Nitrogen, NO3-N(kg/ha)	Representative samples taken at the time of application to land																		
Exchangeable Sodium Percentage, ESP	Representative samples taken at the time of application to land																		
Electrical Conductivity, EC 1:5	Representative samples taken at the time of application to land																		
pH (pH units)	Representative samples taken at the time of application to land																		
Chloride	Representative samples taken at the time of application to land																		
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	Nosie from the activity must not include substantial low frequency noise components and must not exceed the levels identified in Table 1 – noise limits and the associated requirements at any nuisance sensitive place or commercial place. Table 1 – Noise limits <table><tr><th rowspan="3">Noise level Measured in dB(A)</th><th colspan="3">Monday to Sunday including Public Holidays</th></tr><tr><th>7am-6pm</th><th>6pm-10pm</th><th>10pm-7am</th></tr><tr><th colspan="3">Noise measured at the nearest sensitive place</th></tr><tr><td>L_{Aeq} adj, 1hr</td><td>34</td><td>33</td><td>28</td></tr><tr><td>L_{Amax}, 1hr</td><td>N/A</td><td>N/A</td><td>49 dB(A)</td></tr></table>	Noise level Measured in dB(A)	Monday to Sunday including Public Holidays			7am-6pm	6pm-10pm	10pm-7am	Noise measured at the nearest sensitive place			L _{Aeq} adj, 1hr	34	33	28	L _{Amax} , 1hr	N/A	N/A	49 dB(A)
Noise level Measured in dB(A)	Monday to Sunday including Public Holidays																		
	7am-6pm		6pm-10pm	10pm-7am															
	Noise measured at the nearest sensitive place																		
L _{Aeq} adj, 1hr	34	33	28																
L _{Amax} , 1hr	N/A	N/A	49 dB(A)																
N3	When required by the administering authority, noise monitoring must be undertaken in accordance with the associated monitoring requirements of <i>Table 1—Noise Limits</i>, and the results notified within 14 days to the administering authority. Monitoring must include: a) L_{Aeq}, adj, T; b) Background noise (Background) as L_{A 90}, adj, T; c) MaxL_{pA,T}; d) the level and frequency of occurrence of any impulsive or tonal noise ; e) atmospheric conditions including wind speed and direction; f) effects due to extraneous factors such as traffic noise; and g) recording of location, date and time of measurements.																		
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.																		

Definitions

Key terms and/or phrases used in this document are defined in this section and bolded throughout this document. Applicants should 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 Heritage Protection 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.

Aqueous waste means any aqueous waste including process water, water that has otherwise been used in the carrying out of the activity or sewage, whether or not the waste has been treated, but excluding stormwater.

Audible noise means noise that can be clearly heard by an individual who is an occupier at a place listed in condition S-N1.

Background means noise, measured in the absence of the noise under investigation, as $L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90% of the time period of not less than 15 minutes, using Fast response.

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

Combustion of fuel does not include fuel used in explosives or by vehicles.

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.

Disturbed areas includes areas:

- a) that are susceptible to erosion;
- b) that are contaminated by the activity; and/or
- c) upon which stockpiles of soil or other materials are located.

Down-gradient bore means a background bore in a location hydraulically down gradient of those aspects of the activity that may affect groundwater quality.

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*.

Facility means the area used for carrying out the ERA including any buildings, disturbed areas or any associated infrastructure.

General waste means waste other than regulated waste.

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

Groundwater monitoring system means a system of groundwater monitoring devices, such as monitoring bores, used to provide data in respect to the level and quality of groundwater in the uppermost aquifer where the location of the groundwater monitoring devices is such that comparisons of groundwater quality and groundwater level can be made between groundwater flowing from beneath the site (down-gradient flow) of the activity and groundwater flowing towards the site of the activity (up-gradient flow).

$L_{Aeq\ adj,T}$ 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.

Minimise means minimise by taking all reasonable and practical measures to minimise the adverse effect having regard to the following matters:

- a) the nature of the harm or potential harm;
- b) the sensitivity of the receiving environment;
- c) the current state of technical knowledge for the activity;
- d) the likelihood of successful application of different measures that might be taken to minimise the adverse effects;
- e) the financial implications of the different measures as they would relate to the type of activity; and
- f) if the adverse effect is caused by the location of the activity being carried out, whether it is feasible to carry out the activity at another location.

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.

Prescribed water contaminants means contaminants listed within Schedule 10 of the Environmental Protection Regulation 2019.

Receiving environment monitoring program means a monitoring program designed to monitor and assess the potential impacts of controlled and/or uncontrolled releases of contaminants to the environment from the activity.

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

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:

- a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- b) a motel, hotel or hostel; or
- c) a kindergarten, school, university or other educational institution; or
- d) a medical centre or hospital; or
- e) a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
- f) a public park or garden; or
- g) for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2019.

Spring means the land to which water rises naturally from below the ground and the land over which the water then flows.

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 65 dB(Z).

Up-gradient bore means a **background bore**, in a location hydraulically up gradient of all potential influences of the **activity** that may affect groundwater quality.

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.

24 hour storm event with an average recurrence interval of 1 in 10 years means the maximum rainfall depth from a 24-hour duration precipitation event with an average recurrence interval of once in 10 years. For example, an Intensity—Frequency—Duration table for a 24-hour duration event with an average recurrence interval of 1 in 10 year, identifies a rainfall intensity of 8.2mm/hour. The rainfall depth for this event is therefore 24 hour x 8.2 mm/hour =196.8mm.

Schedule 1 – Site layout



END OF ENVIRONMENTAL AUTHORITY