

Permit

Environmental Protection Act 1994

Environmental authority EPPR00541213

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

Environmental authority number: EPPR00541213

Environmental authority takes effect on 21 December 2018

Environmental authority holder(s)

Name(s)	Registered address
GORMATA PTY LIMITED	194 Days Rd BALLANDEAN QLD 4382 Australia

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (a-i) 21 to 100EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme	Lot 11/CP856500

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

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- 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.

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

Date issued: 21 December 2018

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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)

Conditions of environmental authority

The environmentally relevant activity(ies) conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

Schedule A – Activity	
Condition number	Condition
Prevent and / or Minimise Likelihood of Environmental Harm	
A1	Notwithstanding any other requirements of this document, all reasonable and practicable measures must be taken to prevent and / or to minimise the likelihood of environmental harm being caused when carrying out the environmentally relevant activity.
Site Based Management Plan	
A2	From commencement of the activity, implement the Site Based Management Plan (SBMP) that identifies the actual and potential release of ALL contaminants, their subsequent environmental impacts and all corrective and preventive measures that will be taken to prevent and / or minimise the likelihood of environmental harm. The SBMP must also provide for the review and "continual improvement" in the overall environmental performance of all Environmentally Relevant Activities that are carried out.
Notification	
A3	Notify the administering authority as soon as practicable when the release of contaminants is not in accordance with the conditions of this document or any event where environmental harm may be threatened.
A4	Written advice of the following information must be provided within fourteen (14) days following any event as identified in condition number (Notification A3): – the location of the event; – the time of the event; – the time the holder of the development approval became aware of the event; – the suspected cause of the event; – a description of the resulting effects of the event; – actions taken to mitigate any environmental harm and or environmental nuisance caused by the event; and – proposed actions to prevent a recurrence of the event.
Monitoring	
A5	Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.
A6	The quantity of effluent released from the treatment plant during any day must not exceed 20000 Litres.

Schedule B – Air	
Condition number	Condition
B1	Prevent the release of odour, dust and/or particulate matter, spray-drift, smoke, aerosols, or fumes which cause or are likely to cause a nuisance. Nuisance includes the release of contaminants that are likely to be offensive to a person or a nuisance in the opinion of an authorised person.
B2	Dust is not considered to be a nuisance under condition B1 if monitoring shows that dust and / or particulate matter did or does NOT exceed the following limits at the boundary of any affected dust sensitive place: – Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; AND – A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (pm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at the boundary of any affected dust sensitive place downwind of the premises to which this development approval relates, when monitored in accordance with: – Australian Standard AS 3580.9.6 "Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method"; or – any alternative method of monitoring PM10 which may be permitted by the "Air Quality Sampling Manual" as published from time to time by the administering authority.

Schedule C – Water	
Condition number	Condition
Stormwater Management	
C4	Prevent the release of stormwater runoff that has been in contact with any contaminants at the site to any waters.
C5	Spillage of all chemicals and fuels must be captured within an on-site containment system.

Schedule D – Noise						
Condition number	Condition					
D1	Prevent the emission of noise, which causes or is likely to cause a nuisance at any noise affected premises. Nuisance includes noise that is or is likely to be annoying, intrusive or offensive to a person or a nuisance in the opinion of an authorised person.					
D2	Noise is NOT considered to be a nuisance under condition D1 if monitoring shows that noise does NOT exceed the following levels in the time periods specified in Schedule D Tables 1 and 2.					
Schedule D – Table 1 (Noise limites – ‘Sensitive place’)						
Noise level dB(A) Measured as	Noise measured at a Noise sensitive place					
	Monday to Saturday			Sundays and public holidays		
	7am-6pm	6pm-10pm	10pm-7am	9am-6pm	6pm-10pm	10pm-9am
LA10, adj, 10 mins	45	40	35	45	40	35
Schedule D – Table 2 (Noise limites – ‘Sensitive place’)						
Noise level dB(A) Measured as	Noise measured at a Noise sensitive place					
	Monday to Saturday			Sundays and public holidays		
	7am-6pm	6pm-10pm	10pm-7am	9am-6pm	6pm-10pm	10pm-9am
LA10, adj, 10 mins	50	45	40	50	45	40
D3	When requested by the Administering Authority noise monitoring must be undertaken to investigate any complaint of noise annoyance. Monitoring must include: – LA10, adj, 10 mins – LA10, adj, 10 mins – The level and 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.					
D4	The method of measurement and reporting of noise levels must comply with the Department of Environment and Science’s Noise Measurement Manual, Third Edition, 1 March 2000, or more recent editions or supplements to that document as they become available.					

Schedule F – Land				
Condition number	Condition			
F1	The only contaminants permitted to be released to the areas shown in Schedule F Table 1 are treated effluents in compliance with the levels stated in that Table.			
Schedule F – Table 1 (Release limits – ‘Land’)				
Release limit				
Quality characteristics	Minimum	50th Percentile	80th Percentile	Maximum
pH	6.5	-	-	9
Total Dissolved Salts	-	-	-	1000
Faecal coliforms (organisms/100mL)	-	1000*	-	-
Chloride (mg/L)	30	-	-	700
*Minimum of five samples taken at regular intervals not exceeding one month, with four out of five samples containing less than 4000 organisms/100mL				
F2	Unless authorised under Schedule C, irrigation of effluent must not result in runoff beyond the boundary of the licensed place or into a waterway.			
F3	The irrigation of treated effluent must be carried out in a sustainable manner such that: – vegetation is not damaged; – soil erosion and soil structure damage is minimised; – there is no surface ponding of effluent; – the effluent is evenly distributed on the irrigation area; and – the Infiltration of effluent beyond the plant root zone is minimised.			
F4	Notices must be prominently displayed on any treated effluent irrigation area warning the public that the area is irrigated with treated effluent and not to use or drink the wastewater. These notices must be maintained in a visible and legible condition.			
F5	Conduct and keep records of a monitoring program of contaminant releases from the treatment plant at the monitoring points, frequency, and for the parameters specified in Schedule F Table 2 and which complies with the following:			
Schedule F – Table 2 (Monitoring program)				
Monitoring point	Quality characteristics	Units	Frequency	
Irrigation outlet	pH		Quaterly	
Irrigation outlet	Total Dissolved	mg/L	Quaterly	
Irrigation outlet	Faecal coliforms	Organisms/100mL	Quaterly	
Irrigation outlet	Chloride	mg/L	Quaterly	
F6	When conditions prevent the irrigation of treated effluent to land, alternative measures must be taken to store/dispose of treated effluent.			

Schedule G – Community	
Conditon number	Condition
G1	All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.
G2	In consultation with the administering authority, cooperate with and participate in any community environmental group or organisation established in respect of either the premises to which this approval relates specifically, or the industrial estate where the premises to which this approval relates is located.

Schedule H – Definitions

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.

- (H1) **Administering authority** means the Department of Environment and Science or its successors or predecessors.
- (H2) **Dust sensitive place** means –
- a dwelling, mobile home or caravan park, residential marina or other residential place;
 - a motel, hotel or hostel;
 - a kindergarten, school, university or other educational institution;
 - a medical centre or hospital;
 - a protected area; a park or gardens; or
 - a place used as an office or for business or commercial purposes.
- and includes the curtilage of any such place.
- (H3) **Odour sensitive place** has the same meaning as a "dust sensitive place"
- (H4) **Dwelling** means any of the following structures or vehicles that is principally used as a residence–
- a house, unit, motel, nursing home or other building or part of a building;
 - a caravan, mobile home or other vehicle or structure on land;
 - a water craft in a marina.
- (H5) **Noxious** means harmful or injurious to health or physical well-being.
- (H6) **Offensive** means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.
- (H7) **Protected area** means –
- a protected area under the *Nature Conservation Act 1992*; or
 - a marine park under the *Marine Parks Act 2004*; or
 - a World Heritage Area.
- (H8) **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.
- (H9) **50th percentile** means not more than five (5) of the measured values of the quality characteristic are to exceed the stated release limit for any ten (10) consecutive samples for a release-monitoring point at any time during the licensed works.
- (H10) **80th percentile** means not more than two (2) of the measured values of the quality characteristic is to exceed the stated release limit for any ten (10) consecutive samples for a sampling point at any time during the licensed works.
- (H11) **Dredge spoil** means material taken from the bed or banks of waters by using dredging equipment or other equipment designed for use in extraction of earthen material.

- (H12) **Land** in the **land schedule** of this document means land excluding waters and the atmosphere.
- (H13) **mg-L** means milligrams per litre.
- (H14) **Regulated waste** means non-domestic waste in Schedule 7 of the *Environmental Protection Regulation 2008* and includes:
- for an element – any chemical compound containing the element; and
 - anything that has contained a regulated waste; and
 - regulated waste that has been treated or immobilised.

Noise Definitions

- (H15) **LA10, 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.
- (H16) **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
- (H17) **Noise affected premises** means a "noise sensitive place" or a "commercial place".
- (H18) **Noise sensitive place** means –
- a dwelling, mobile home or caravan park, residential marina or other residential premises; or
 - a motel, hotel or hostel; or
 - a kindergarten, school, university or other educational institution; or
 - a medical centre or hospital; or
 - a protected area; or
 - a park or gardens.
- (H19) **Commercial place** means a place used as an office or for business or commercial purposes.
- (H20) **Intrusive noise** means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -
- is clearly audible to, or can be felt by, an individual;
 - and annoys the individual.

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

END OF ENVIRONMENTAL AUTHORITY

