Permit[1]

Environmental Protection Act 1994

Environmental authority

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

Permit[1] number: EPPR01422113

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

The first annual fee is payable within 20 business days of the effective date.

The anniversary date of this environmental authority is the same day each year as the effective date. An annual return and the payment of the annual fee which is currently $1,545.60 will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Glendon Entertainment Pty Ltd	222 Glendon Road KARARA QLD 4352

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63-(1a)(i) Sewage treatment >21 to 100EP - IT or IR	222 Glendon Rd,KARARA 4352 - Lot 15 Plan M341022

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental authority as to the scale, intensity or manner of carrying out an ERA, then the conditions prevail to the extent of the inconsistency.

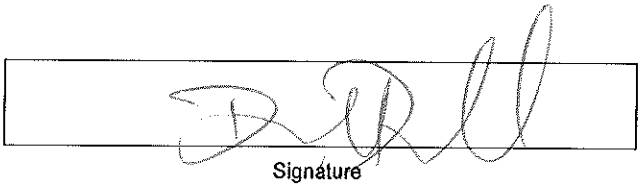
An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Contaminated land

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.



Signature



Date

David Darvall
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

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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

Location: 222 Glendon Road, Karara, Queensland, 4352

Lot 15 on Plan M341022

Relevant activity/ies:

ERA 63-(1a)(i) – Sewage treatment works with total daily peak design of 21-100 equivalent persons if treated effluent is discharge to an infiltration trench or through an irrigation scheme.

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.

Agency interest: General	
Condition number	**Condition**
G1	The activity must be undertaken in accordance with written procedures that: • identify potential risks to the environment from the activity during routine operations and emergencies including flooding • establish control measures that minimise the potential for **environmental harm** • ensure plant and equipment is maintained and operated in proper and effective condition • ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994* • ensure that reviews of environmental performance are undertaken at least annually • identify, using Global Positioning System co-ordinates, the area designated as the wastewater disposal area. The holder of this approval must prepare the above written procedures within thirty (30) days after the granting of this approval.
G2	The activity must not cause environmental nuisance at a **nuisance sensitive place**.

G3	All documents required by conditions of this authority must be kept for at least five years.
G4	All chemicals and fuels in bulk or in containers of greater than 15 litres must be stored within a secondary containment system and releases controlled in a manner that prevents environmental harm.

Agency interest: Land	
Condition number	**Condition**
L1	**Contaminants** from the **activity** must not be released to **land,** except as authorised under (D1).
L2	The activity is not carried out in a high preservation, special floodplain management area or floodplain management area in any declared wild river area.

Agency interest: Water	
Condition number	**Condition**
W1	Stormwater contaminated by the activity must be managed to minimise or prevent any adverse effect on the environmental values of the receiving environment.
W2	Ponds used for the storage or treatment of wastewater or wastes must be constructed, installed and maintained to: • prevent any release of wastewater or wastes from the ponds to any waters other than during wet weather events • minimise overflows during wet weather • ensure the stability of the pond structure.
W3	The wastewater disposal area is not within 250 metres of any bore used for domestic water supply.
W4	The wastewater disposal area is not within 1000 metres of any bore used for town water supply.
W5	Contaminants must not be released to any waters.

Agency interest: Disposal of wastewater to land	
Condition number	**Condition**
D1	Treated wastewater is permitted to be released to land provided that it is undertaken in accordance with a written procedure to ensure that: • infiltration to groundwater and subsurface flows of contaminants to surface **waters** are prevented • surface pondage and run-off of **wastewater** is prevented • degradation of soil structure is prevented • soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are prevented • spray drift or overspray do not carry beyond **wastewater** disposal areas • wastewater disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake • vegetation on the disposal areas is harvested and removed to maintain irrigation sustainability.
Agency interest: Waste	
Condition number	**Condition**
R1	R1: Other than wastewater released to land in accordance with condition D1, all waste generated in carrying out the activity must be reused, recycled or lawfully disposed of offsite.
Agency interest: Campground Sewage Treatment Facilities The below conditions only apply to those facilities and operational areas associated with the **campground sewage treatment facilities**. This excludes the septic systems connected to the existing house and cabins.	
Condition number	**Condition**
C1	In addition to the requirements of D1, the wastewater must be evenly distributed over an area not less than stated in Table 1. Table 1 – Irrigation area requirements.

Rainfall	**Maximum irrigation rate**	**Minimum land required (m2)**
<600 millimetres per year (mm/year)	3mm per day	335m^2 per m^3 of treated wastewater irrigated
>600mm/year to 1000 mm/year	2mm per day	500m^2 per m^3 of treated wastewater irrigated
>1000mm/year	1mm per day	500m^2 per m^3 of treated wastewater irrigated

<table>
<tr><td>C2</td><td>When weather conditions or soil conditions preclude the release of wastewater to land, wastewater must be directed to wet weather storage or be lawfully removed from the site.</td></tr>
<tr><td>C3</td><td>Quarterly monitoring of treated wastewater must be carried out to assess compliance with condition C4.</td></tr>
<tr><td>C4</td><td>Treated wastewater released to land must comply with the limits in Table 2.
Table 2 – Contaminant release limits to land
<table>
<tr><th>Quality characteristics</th><th>Release limit</th><th>Limit type</th></tr>
<tr><td>Electrical conductivity</td><td>1600µs/cm</td><td>maximum</td></tr>
<tr><td>pH</td><td>5.0–8.0</td><td>range</td></tr>
<tr><td>Chlorine (if used for disinfection)</td><td>0.5mg/L</td><td>maximum</td></tr>
<tr><td>e.coli</td><td><1000cfu/100ml</td><td>maximum</td></tr>
</table></td></tr>
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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.

Term	Definition
Activity	the environmentally relevant activity to which this environmental authority relates. An activity may be undertaken on the whole or a part of a site.
Aqueous Waste	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.
Campground sewage treatment facilities	all facilities and operational areas related to the *Main Block* and *Top Block* ablutions that are connected to Supertreat package waste water treatment plants, as referred to in the report entitled *Environmental Review of Glendon Campground Sewage Treatment Facilities*, June 2013
Chemical	as defined in Schedule 12, Part 2 of the Environmental Protection Regulation 2008
Contaminant(s)	as defined in Section 11 of the *Environmental Protection Act 1994*
Environmental harm	as defined in Section 14 of the *Environmental Protection Act 1994*
Environmental nuisance	as defined in Section 15 of the Environmental Protection Act 1994
Land	land excluding waters and the atmosphere. Land includes land on the authorised place.
Minimise	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 (f) if the adverse effect is caused by the location of the activity being carrying out, whether it is feasible to carry out the activity at another location.
Nuisance sensitive place	nuisance sensitive place includes: • within or outside of a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or • within or outside of a motel, hotel or hostel; or • within or outside of a kindergarten, school, university or other educational institution; or • within or outside of a medical centre or hospital; or

	• within a protected area under the *Nature Conservation Act 1992*, with a marine park under the *Marine Parks Act 1992* or a World Heritage Area; or • within a public thoroughfare, park or gardens; or • within or outside of 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; or • for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.
Site	a location as defined by the lot and plans, whether partial of whole, to which this environmental authority relates.
Spring	the land to which water rises naturally from below the ground and the land over which the water then flows.
Waters	all or any part of a creek, river, stream, lake, lagoon, swamp, wetland, spring, unconfined surface water, unconfined water in natural or artificial watercourses, bed and bank of any waters, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and underground water.
Watercourse	as defined in Section 8, Schedule 12 of the Environmental Protection Regulation 2008
Wetland	as defined in Schedule 12 of the Environmental Protection Regulation 2008, means an area shown as a wetland on the map of referable wetlands

END OF PERMIT