Permit[1]

Environmental Protection Act 1994

Environmental authority EPPR03088815

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

Permit[1] number: EPPR03088815

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

The anniversary date of this environmental authority is the 10 April. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Maluka Accommodation Pty Ltd	Lot 45 Barfield Rd BANANA QLD 4702

Environmentally relevant activity and location details

Environmentally relevant activities	Locations
57-(2a) Regulated waste transport 1 to 5 vehicles	Banana Shire
63-(1b)(i) Sewage treatment >100 to 1500EP - IT or IR	Leichhardt Highway and Banana - Lot 45 Plan FN209

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).

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

Contaminated land

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.

J A H Mackenzie	13 - JUL - 2015
Signature	Date

James Mackenzie
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Judy Mackenzie
ES - Reg Serv - Western - Twba - EPA
PO Box 731
TOOWOOMBA QLD 4350
Phone: (07) 4699 4333
Fax: (07) 4699 4388
Email: judy.mackenzie@ehp.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)

Conditions of environmental authority

Section 1 – Regulated waste transport

Location: Banana Shire

Relevant activity:

57-(2a) Regulated waste transport 1 to 5 vehicles

The conditions of approval for this environmental authority include standard conditions contained within the attached document entitled:

- Code of environmental compliance for certain aspects of regulated waste transport (ERA 57) Version 4

The environmentally relevant activity 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	All reasonable steps must be undertaken to ensure the **activity** complies with the eligibility criteria.

Section 2 – Sewage treatment

Location: Maluka Accommodation Pty Ltd - Lot 45 Plan FN209 Barfield Rd, BANANA QLD 4702

Relevant activity:

63-(1b)(i) Sewage treatment >100 to 1500EP - IT or IR

The environmentally relevant activity 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.
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**.

<table>
<tr><td colspan="2">Agency interest: Land</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>L1</td><td>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
<table>
<tr><th>Rainfall</th><th>Maximum irrigation rate</th><th>Minimum land requirement (m^2)</th></tr>
<tr><td><600 millimetres per year (mm/year)</td><td>3mm per day</td><td>335m^2 per m^3 of treated wastewater irrigated</td></tr>
<tr><td>>600mm/year to 1000mm/year</td><td>2mm per day</td><td>500m^2 per m^3 of treated wastewater irrigated</td></tr>
<tr><td>>1000mm/year</td><td>1mm per day</td><td>500m^2 per m^3 of treated wastewater irrigated</td></tr>
</table></td></tr>
<tr><td>L2</td><td>Contaminants from the activity must not be released to land, except as authorised under (D1).</td></tr>
<tr><td>L3</td><td>Volumes of treated effluent discharged for irrigation must be measured daily and recorded to assess compliance with condition L1.</td></tr>
<tr><td colspan="2">Agency interest: Water</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>W1</td><td>Stormwater contaminated by the activity must be managed to minimise or prevent any adverse effect on the environmental values of the receiving environment.</td></tr>
<tr><td>W2</td><td>Ponds used for the storage or treatment of wastewater must be constructed, installed and maintained to:
prevent any release of wastewater or wastes from ponds to any waters other than during wet weather events
minimise overflows during wet weather
ensure the stability of the pond structure</td></tr>
<tr><td>W3</td><td>The activity does not occur within 100 metres of any watercourse, wetland or spring. This is measured from the boundary of the activity.</td></tr>
</table>

<table>
<tr><td colspan="2">Agency interest: Disposal of wastewater to land</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>D1</td><td>Treated wastewater is permitted to be released to land provided that it is undertaken in accordance with a written procedure to ensures 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 minimised
soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised
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
the crop on the disposal area is harvested and removed from the disposal area.</td></tr>
<tr><td>D2</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>D3</td><td>Quarterly monitoring of treated wastewater must be carried out to assess compliance with condition D4.</td></tr>
<tr><td>D4</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 characteristic</th><th>Release limit</th><th>Limit type</th></tr><tr><td>Total Nitrogen</td><td>30mg/L</td><td>Maximum</td></tr><tr><td>Total Phosphorus</td><td>10mg/L</td><td>Maximum</td></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>
<tr><td colspan="2">Agency interest: Waste</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td>R1</td><td>Other than treated 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.</td></tr>
</table>

Definitions

Words and phrases used in this environmental authority have meanings given in the Environmental Protection Act 1994 and the Environmental Protection Regulation 2008. Selected terms have been bolded in the document and section references given below for the ease of operators using the environmental authority. Where a word or term is not defined in the legislation or in this appendix, the ordinary English meaning applies and regard should be given to the Macquarie Dictionary.

Term	**Definition**
Activity	The environmentally relevant activity to which this environmental authority relates. An activity may be undertaken on the whole or 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.
Category A or B environmentally sensitive area	As defined in Schedule 12, Part 1 of the Environmental Protection Regulation 2008
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 excludes waters and the atmosphere. Land includes land on the authorised place.
Minimise	Minimise by taking all reasonable and practicable 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 carried 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 garden; 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 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