

Permit

Environmental Protection Act 1994

Environmental authority EPPR00515613

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

Environmental authority number: EPPR00515613

Environmental authority takes effect on 24 April 2019

Environmental authority holder(s)

Name(s)	Registered address
JLLT MANAGEMENT PTY LTD	22 Bayswater Ave VARSITY LAKES QLD 4227 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 10/RP139458

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

Environmental authority

- 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.

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

Enquiries:
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Assessment
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Date issued: 24 April 2019

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)

Conditions of environmental authority

The environmentally relevant activit(ies) conducted at the locations 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 and practicable measures must be taken to minimise the likelihood of environmental harm being caused.
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; and (b) Establish control measures that minimise potential for environmental harm; and (c) Ensure plant and equipment is maintained and operated in proper and effective condition; and (d) Ensure that staff are trained and aware of their obligation under the <i>Environmental Protection Act 1994</i>; and (e) Ensure that reviews of environmental performance are undertaken at least annually
G3	The activity must not cause environmental nuisance at a nuisance sensitive place .
G4	All documents and records that are required by the conditions of this environmental authority must be kept for a period of at least five years and provided to the administering authority upon request.
G5	Storage of chemicals and fuels in bulk or in containers greater than 15 litres must be within a secondary containment system and releases controlled in a manner that prevents environmental harm .
G6	All complaints received by the holder of the environmental authority relating to releases of contaminants from operations at the site must be recorded and kept with the following details: (a) time, date and nature of complaint; and (b) type of communication (telephone, letter, personal, etc.); and (c) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded); and (d) response and investigation undertaken as a result of the complaint; and (e) action taken as a result of the complaint investigation and signature of responsible person.

Agency interest: Water					
Condition number	Condition				
WT1	Stormwater contaminated by the activity must be managed to minimise or prevent any adverse effect on the environmental values of the receiving environment.				
WT2	Suitable banks and/or diversion drains must be installed and maintained to exclude excess stormwater runoff from entering any irrigation areas or structure used for the storage or treatment of contaminants or wastes.				
Agency interest: Land					
Condition number	Condition				
L1	The only contaminant permitted to be released to land from the sewage treatment works is treated sewage effluent via sub-surface irrigation to the 'Approved Irrigation Areas' (Schedule 1).				
L2	Treated effluent is permitted to be released to land provided that it is done in accordance with a written procedure that ensures: (a) infiltration to groundwater and subsurface flows of contaminants to surface waters are prevented; and (b) surface pondage and run-off of effluent is prevented; and (c) degradation of soil structure is minimised; and (d) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; and (e) spray drift or overspray do not carry beyond effluent disposal areas; and (f) effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; and (g) the crop on the disposal area is harvested and removed from the disposal area.				
L3	When weather conditions or soil conditions preclude the release of effluent to land , effluent must be directed to wet weather storage or be lawfully removed from the site.				
L4	The treated effluent must be evenly distributed over the approved irrigation areas stated in <i>Table 2 – Irrigation area requirements</i>: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Maximum Irrigation Rate (mm/day)</th><th>Minimum land required (m²)</th></tr> </thead> <tbody> <tr> <td>4 mm/day</td><td>3,000</td></tr> </tbody> </table>	Maximum Irrigation Rate (mm/day)	Minimum land required (m ²)	4 mm/day	3,000
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4 mm/day	3,000				

L5	Treated effluent released to land must comply with the limits in <i>Table 3 – Contaminant release</i>. Table 3 – Contaminant release <table><tr><th>Quality Characteristics</th><th>Release Limit</th><th>Limit Type</th></tr><tr><td>Total nitrogen*</td><td>60 mg/L</td><td>Maximum</td></tr><tr><td>Total phosphorus*</td><td>20 mg/L</td><td>Maximum</td></tr><tr><td>Electrical conductivity</td><td>3300 µs/cm</td><td>Maximum</td></tr><tr><td>pH</td><td>5.0-8.5</td><td>Range</td></tr><tr><td>Total residual chlorine (if used for disinfection)</td><td>1 mg/L</td><td>Maximum</td></tr><tr><td>E.coli</td><td><1000 cfu/100ml</td><td>Maximum</td></tr></table> *note that these limits would typically correspond to long term total nitrogen and total phosphorous concentrations of 30 mg/L and 10 mg/L respectively.	Quality Characteristics	Release Limit	Limit Type	Total nitrogen*	60 mg/L	Maximum	Total phosphorus*	20 mg/L	Maximum	Electrical conductivity	3300 µs/cm	Maximum	pH	5.0-8.5	Range	Total residual chlorine (if used for disinfection)	1 mg/L	Maximum	E.coli	<1000 cfu/100ml	Maximum
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L6	Quarterly monitoring of treated effluent must be carried out in accordance with the Monitoring and Sampling Manual 2009 (DES) to assess compliance with condition (L5) and records of the results maintained.																					
L7	The daily volume of sewage discharging from the sewage treatment plant must not exceed 9,000 L in any one day and records kept of such determinations and estimates.																					
L8	Notices must be prominently displayed on any irrigation area warning the public not to enter these areas, use or drink the effluent. These notices must be maintained in a visible and legible condition.																					
Agency interest: Waste																						
Condition number	Condition																					
W1	Other than effluent released to land in accordance with conditions L1 to L8 above, all waste generated in carrying out the activity must be removed from the site by a transporter lawfully able to transport it to a place lawfully able to receive it.																					

Definitions

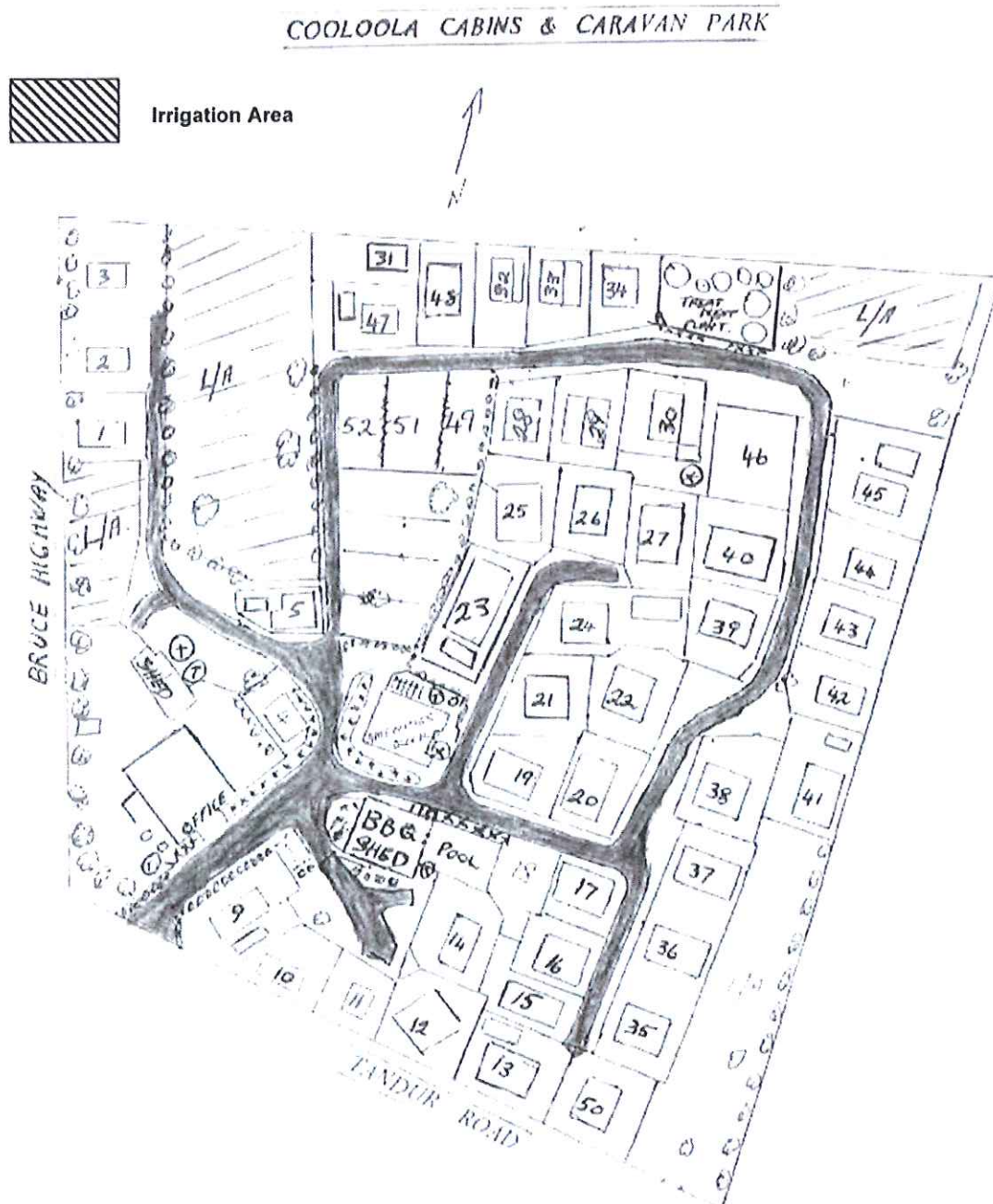
Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If 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 part of a site.
Chemical	As defined in Schedule 12, Part 2 of the <i>Environmental Protection Regulation 2008</i> .
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 included 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 sensitive 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: (a) within or outside of a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises. (b) within or outside of a motel, hotel or hostel (c) within or outside of a kindergarten, school, university or other educational institution (d) within or outside of a medical centre or hospital (e) within a protected area under the <i>Nature Conservation Act 1992</i>, within a marine park under the <i>Marine Parks Act 2004</i> or world heritage area (f) within a public thoroughfare, park or gardens

	(g) 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.
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.

Schedules

Schedule 1 – Approved Irrigation Areas



END OF ENVIRONMENTAL AUTHORITY