Permit

Environmental Protection Act 1994

Environmental authority EPPR00540813

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

Environmental authority number: EPPR00540813

Environmental authority takes effect on 29 March 2019

Environmental authority holder(s)

Name(s)	Registered address
EVERGRANDAS PTY LTD	524 Eugella Dam Road BROKEN RIVER QLD 4757

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 5/SP100237

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: 01 April 2019

Enquiries:
Extraction, Energy and Chemical Industries Assessment
Department of Environment and Science
Phone: 1300 130 372
Email: palm@des.qld.gov.au

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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)

Legislative Requirements and Conditions of Environmental Authority

Legislative Requirements

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.

Conditions of Environmental Authority

Anniversary Date: 11 November

General Conditions

Environmentally relevant activities	Locations
ERA 63 Sewage treatment Threshold 1 operating sewage treatment works, other than no-release works, with a total daily peak design capacity of—(a) 21 to 100EP (i) if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme.	Lot 5 Plan SP100237 Eungella Dam Road, EUNGELLA QLD 4757

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

Agency interest: General	
Condition number	**Condition**
G1	This environmental authority applies to the operation of a special sewage treatment works to treat sewage from the existing Broken River Mountain Retreat facilities and four (4) additional accommodation units to be constructed at the site.
G2	The owner of the land must ensure that any person who they allow or employ to carry out the activities permitted by this environmental authority: a) is competent to operate and maintain the sewage treatment plant or, carry out the activity under the supervision of a person competent to operate and maintain the sewage treatment plant; and b) understands the conditions of this environmental authority; and c) is familiar with the Site Based Management Plan.
G3	A person is considered to be competent to operate the sewage treatment plant if their qualifications and/or experience are considered appropriate for the scale of the activity.
G4	An environmental authority issued under the *Environmental Protection Act 1994* is required to operate the environmentally relevant activities which are the subject of this environmental authority. If the operator of the activity is a person other than the owner, the owner will ensure that the operator holds a current environmental authority issued under the *Environmental Protection Act.*

G5	No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm. An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quantity of the contaminant to be released into the environment.
G6	The holder of this environmental authority must develop and implement a Site-Based Management Plan which provides for the following functions: a) Management and operation of wastewater irrigation systems and areas to ensure compliance with the conditions of this environmental authority, including regular assessment of the on-going assimilative capacity of the land used for wastewater disposal; and b) Routine operating procedures to prevent or minimise the impacts resulting from the release of contaminants to the environment and; c) Monitoring of the release of contaminants into the environment.

Agency interest: Air

Condition number	Condition
A1	No release of contaminants from the approved place is to cause a noxious or offensive odour beyond the boundaries of the approved place.

Agency interest: Land

Condition number	Condition
L1	The irrigation of treated sewage effluent must be carried out in such a manner that: vegetation is not damaged; and a) soil erosion and soil structure damage is minimised; and b) there is no surface ponding of effluent; and c) the effluent is evenly distributed on the irrigation area; and d) the infiltration of effluent beyond the plant root zone is minimised.
L2	The defined contaminant release areas are described as Area A, Area B and Area C of Figure 1 attached.
L3	Notices warning the public not to use or drink the release of contaminants to land must be prominently displayed and must be maintained in a visible and legible condition.
L4	Pipelines and fittings for the release of contaminants to land must be clearly identified. Standard water taps, hoses and cocks must not be fitted to contaminant release pipelines, and the contaminant release system must not be connected to other service pipelines. Lockable valves or removable handles must be fitted to the contaminant release pipelines where there is public access to the contaminant release area
L5	The contaminant/s released must comply, at the sampling and in-situ measurement points specified in Table 1, with each of the release limits specified in Table 2 for each quality characteristic. Table 1 - Required Release Point Determinations

DETERMINATION REQUIRED	RELEASE POINTS	FREQUENCY
5-day Biochemical Oxygen Demand	Outlet from treated effluent storage tank	quarterly
Suspended solids	Outlet from treated effluent storage tank	quarterly
Faecal Coliforms (organisms per 100mL)	Outlet from treated effluent storage tank	monthly

Table 2- Release Quality Characteristic Limits

QUALITY CHARACTERISTICS	RELEASE LIMIT	LIMIT TYPE
5-day Biochemical Oxygen Demand (mg/l)	30 mg/L	maximum
Suspended Solids (mg/l)	30 mg/L	maximum
Faecal Coliforms(Organisms/100 ml)	1000 colonies per 100mL	median(1)
Faecal Coliforms (Organisms/100 ml)	4000 colonies per 100mL	80th percentile (1),(2)

Notes:
(1) *Median and 80th percentile must be based on the results of at least five consecutive samples, individual samples may be collected at intervals of not less than thirty minutes for the purpose of measuring compliance with this standard. The minimum frequency of testing required to be carried out by the holder of the environmental authority is at least* once *in each month.*
(2)"80th percentile" for this quality characteristic means that the measured values for the quality characteristic must not be greater than the limit for any more than one out of five consecutive samples.

Agency interest: Noise

Condition number	Condition
N1	Upon receipt of a complaint regarding the emission of noise the holder of this environmental authority must, within a reasonable period of time: a) take any actions necessary to resolve the complaint including the use of appropriate dispute resolution if required; or b) implement noise abatement measures until emissions of noise from the activity does not result in sound pressure levels at the affected noise sensitive place greater than those specified in Table 3.

Table 1 – Noise levels

Time period	Noise level at a 'Noise sensitive place' measured as the Adjusted **Maximum** Sound Pressure Level $L_{A,max\ adj\ T}$
7am – 6pm	Background noise level plus 5 dB(A)
6pm – 7am	Background noise level plus 3 dB(A)
Time period	Noise level at a 'Commercial place' measured as the Adjusted **Maximum** Sound Pressure Level $L_{A,max\ adj\ T}$
7am – 6pm	**Background** noise level plus 10 dB(A)
6pm – 7am	**Background** noise level plus 8 dB(A)

Agency interest: Waste

Condition number	Condition

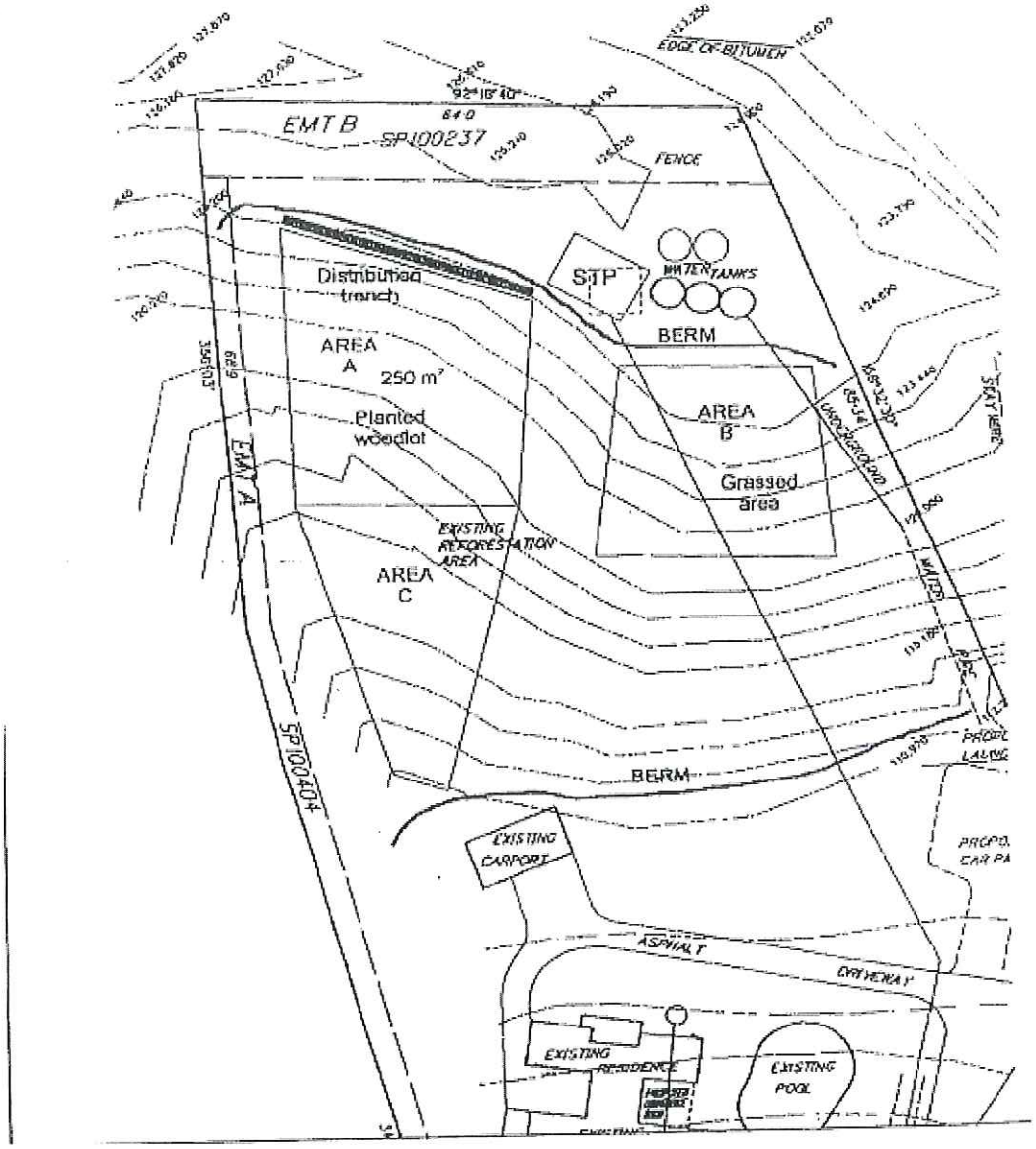
W1	All packaging and general waste produced at the approved place must be disposed of at a facility which holds a current environmental authority under the *Environmental Protection Act 1994* to receive the waste
W2	Regulated wastes shall only be removed from the approved place by a person holding a current environmental authority for regulated waste transport which includes the type of regulated waste being transported.
W3	Where regulated waste is removed from the approved place records of the following must be kept: a) the date, quantity and type of waste removed; and b) name of the waste transporter and/or disposal operator that removed the waste; and c) the intended treatment/disposal destination of the waste.

Agency interest: Water

Condition number	Condition
WT1	Pump stations must be fitted with stand-by pumps or connected to a holding tank sufficient to store one (1) days effluent production.
WT2	Pump stations must be fitted with visual pump-failure alarms. Pump failure alarms must be detectable by the maintenance staff.
WT3	A system of suitable diversion drains or embankments must be constructed to divert uncontaminated-surface waters away from areas used for irrigation of treated effluent where contact with contaminants may occur.
WT4	Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.

Attachment 1

Figure 1-Designated effluent irrigation areas A, B and C.


EMT B
SP100237
FENCE
EDGE OF BITUMEN
STP
WATER TANKS
BERM
Distribution (trench)
AREA A
250 m²
Planted woodlot
AREA B
Grassed area
EXISTING REFORESTATION AREA
AREA C
EMT A
SP100404
BERM
EXISTING CARPORT
ASPHALT
DRIVEWAY
EXISTING RESIDENCE
EXISTING POOL
WATER

DEFINITIONS

The following definitions apply to conditions imposed by the concurrence agency on this environmental authority:

mg/L means milligrams per litre.

Median means the middle value, where half the data are smaller, and half the data are larger. If the number of samples is even, the median is the arithmetic average of the two middle values.

Maximum means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

Implement in relation to the site based management plan means to implement and to continue to undertake the approved activity in accordance with the site based management plan for the life of the environmental authority.

$L_{max\ adj,\ T}$ mean the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than 15 minutes, using Fast response.

Background level has the meaning given in the *Environmental Protection (Noise) Policy* 2008 where the specified time interval is at least 15 minutes.

Noise sensitive place has the meaning given in the *Environmental Protection (Noise) Policy* 2008.

Commercial place means a place used as an office or for business or commercial purposes.

Regulated waste has the meaning given by the Environmental Protection Regulation 2009

END OF ENVIRONMENTAL AUTHORITY