Permit

Environmental Protection Act 1994

Environmental authority EPPR00886913

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

Environmental authority number: EPPR00886913

Environmental authority takes effect on 13 June 2019

Environmental authority holder(s)

Name(s)	Registered address
DESIGNED LOGISTICAL SOLUTIONS PTY LTD	Lot 254 Buchanan Creek Rd COW BAY QLD 4873 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, (b-i) more than 100 but not more than 1500EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme	LOT 35/RP733181
Prescribed ERA, ERA 63 - Sewage Treatment, 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, (b-i) more than 100 but not more than 1500EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme	LOT 36/RP733181

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).

ABN 46 640 294 485

Queensland Government

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
- 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: 13 June 2019

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

ABN 46 640 294 485

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

Environmentally relevant activity	Location
ERA 63 (1b)(i) – Sewage treatment – more than 100 but not more than 1,500EP – if treated effluent is discharged from works to an iffiltration trench or through an irrigation acheme.	Lot 35 on Plan RP733181 and Lot 36 on Plan RP733181 'Ferntree Rainforest' Lot 36 Camelot Close, Cape Tribulation

The environmentally relevant activitie(s) conducted at the location(s) as described above must be conducted in accordance with the following conditions of approval.

Agency interest: General	
Condition number	**Condition**
G1	In carrying out the environmentally relevant activity, the **holder** of this environmental authority must take all reasonable and practical measures to minimise releases and the likelihood of releases of contaminants to the environment, except as otherwise provided by the conditions of this environmental authority.
G2	The **holder** of this environmental authority must: a) install and operate all works and control equipment; and b) take all measures, perform all **acts** and do all things, necessary to ensure compliance with the conditions of this environmental authority.
G3	A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
G4	Records required to be kept by a condition of this environmental authority must be kept at the licensed place and retained for a period of five (5) years.
G5	Copies of any record required to he kept by a condition of this environmental authority must be provided to any authorised person on request.
G6	No change, replacement or alteration of any plant or equipment is permitted if the change, replacement or alteration of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm or environmental nuisance.
G7	The **holder** of this environmental authority shall ensure that the operation and maintenance of the sewage treatment plant is carried out by or under the supervision of a person who is competent to operate and maintain the plant.
G8	The sewage collection, treatment and disposal facilities shall be inspected by the operator or a nominated person to ensure their continued effective operation. This shall be carried out at least twice per week.
G9	Within two (2) months of the date this environmental authority comes into effect, the **holder** of this environmental authority must carry out an investigation into the microbiological quality of the treated sewage effluent, and inform the **administering authority** of the results of the investigation.
G10	The **holder** of this environmental authority must fully implement any remedial action required by the **administering authority** and within the time period specified by the **administering authority** as a result of reviewing the investigation described in condition G9 of this environmental authority.
G11	A record must be maintained of any shut-downs or failures of the sewage pump stations.

G12	As soon as practicable after becoming aware of any emergency or incident which results **in** the release of contaminants not in accordance, or reasonably expected to be not in accordance with the conditions of this environmental authority, the **holder** of this environmental authority must notify the **administering authority** of the release by telephone.
Agency interest: Air	
Condition number	**Condition**
A1	The environmentally relevant activity must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release to the atmosphere of any contaminant in concentration or quantity capable of causing environmental harm beyond the boundaries of the licensed place.
A2	The environmentally relevant activity which is the subject of this environmental authority must be carried out in such a manner to ensure that no offensive odour caused by the activity can be detected beyond the boundaries of the licensed place.
Agency interest: Water	
Condition number	**Condition**
W1	The environmentally relevant activity must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release to waters of contaminants in concentration or quantity capable of causing environmental harm.
W2	Any sewage pump station overflows must be screened to prevent the release of gross solids.
W3	Pump stations whose failure would or would be likely to result in a direct or indirect release of contaminants to waters must be fitted with visual alarms.
W4	The environmentally relevant activity must be carried out by such practicable means necessary to prevent or minimise the contact of incident rainfall and stormwater runoff with wastes or other contaminants, and prevent or minimise the release or likelihood of release of any such contaminated runoff from the licensed place.
Agency interest: Land	
Condition number	**Condition**
L1	Except as otherwise provided by the conditions of this schedule of this environmental authority, the environmentally relevant activity must be carried out by such practicable means necessary to prevent or minimise the release or likelihood of release of contaminants to **land.**
L2	The defined contaminant release area is described as Area 1 marked on the site plan in Attachment 1.
L3	A minimum of 1.75 hectares of **land** must be provided for the contaminant release area.
L4	The contaminant release area must not be used for grazing, recreational activities or as a traffic thoroughfare.
L5	The **holder** of this environmental authority shall provide and maintain a sampling point for the treated sewage effluent at the treated effluent storage pond. This sampling point must be maintained so as to be readily accessible to authorised persons at any reasonable time.

<table>
<tr><td>L6</td><td>The release of contaminants to land, referred to in condition L2, must be carried out in a manner so as to ensure that:
a) no vegetation in or adjacent to the release area is damaged;
b) the potential for soil erosion or soil structure damage is minimised;
c) there is no surface ponding of effluent;
d) the effluent is evenly distributed on the release area; and
e) the infiltration of effluent beyond the plant root zone is minimised.</td></tr>
<tr><td>L7</td><td>The quantity of contaminants released to the release area during any day must not exceed 77 cubic metres.</td></tr>
<tr><td>L8</td><td>The rate of application of contaminants to the release area must not exceed two (2) millimeters per day.</td></tr>
<tr><td>L9</td><td>The release of contaminants to land must comply with each and all of the quality characteristics specified in Table 1.
Table 1 – Release Quality Characteristic Limits
<table>
<tr><th>QUALITY CHARACTERISTICS</th><th>RELEASE LIMIT(S)</th><th>LIMIT TYPE</th></tr>
<tr><td>5-day Biochemical Oxygen Demand (mg/L)</td><td>20</td><td>Maximum</td></tr>
<tr><td>Faecal Coliforms (Organisms/100 mL)</td><td>1000</td><td>Maximum</td></tr>
</table></td></tr>
<tr><td>L10</td><td>When weather conditions or soil conditions preclude the application to land of treated sewage effluent, those contaminants must be directed to the treated effluent storage pond.</td></tr>
<tr><td>L11</td><td>The treated effluent storage pond must be designed to hold a volume equivalent to not less than 1400 cubic metres.</td></tr>
<tr><td>L12</td><td>The treated effluent storage pond must always have a freeboard of at least one (1) metre.</td></tr>
<tr><td>L13</td><td>The holder of this environmental authority is responsible for determining the quality of treated sewage effluent released to the effluent irrigation area, by determining those quality characteristics specified in Table 2. Such determinations must be carried out as often as is necessary to check compliance with this environmental authority but not less frequently that shown in that table.
Table 2
<table>
<tr><th>QUALITY CHARACTERIISTIC DETERMINATION</th><th>FREQUENCY</th></tr>
<tr><td>5-day Biochemical Oxygen Demand</td><td>6 – monthly</td></tr>
<tr><td>Faecal Coliforms (Organisms/100 mL)</td><td>6 – monthly</td></tr>
</table></td></tr>
<tr><td>L14</td><td>All determinations required by Table 2 of this environmental authority must be made in accordance with methods prescribed in the Department of Environment and Science Quality Sampling Manual, Version 2, September 2010, (or more recent additions or supplements to that document as such become available), and performed by a person or body acceptable to the administering authority.</td></tr>
<tr><td>L15</td><td>The daily quantity of contaminants released to land must be determined by a method acceptable to the administering authority.</td></tr>
<tr><td>L16</td><td>The holder of this environmental authority must notify the administering authority in writing of any monitoring result which indicates non-compliance with any quality or quantity requirement of</td></tr>
</table>

	this environmental authority. Such notification must occur within twenty-eight (28) days of completion of the monitoring indicating non-compliance.
Agency interest: Noise	
Condition number	**Condition**
N1	The environmentally relevant activity must be carried out by such practicable means necessary to prevent or minimise the emission of noise capable of causing environmental nuisance at any noise sensitive place.
Agency interest: Waste	
Condition number	**Condition**
WS1	Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.
WS2	The removal and disposal of sludge from the sewage treatment system must be carried out in a manner acceptable to the **administering authority**

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.

Act means the Environmental Protection Act 1994.

Administering Authority means the Department of Environment and Science or its successor.

Holder of this environmental authority means the Cape Tribulation Environmental Pty Ltd.

Land means land excluding waters and the atmosphere.

mg/L means milligrams per litre.

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

Noise sensitive place means:

a) a dwelling, mobile home or caravan park, residential marina or other residential premises; or
b) a motel, hotel or hostel; or
c) a kindergarten, school, university or other educational institution; or
d) a medical centre or hospital; or
e) a protected area; or
f) a park or gardens

END OF PERMIT

Attachment 1 - Site Plan

