Permit

Environmental Protection Act 1994

Environmental authority EPPR00568113

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

Environmental authority number: EPPR00568113

Environmental authority takes effect on 05 April 2019

Environmental authority holder(s)

Name(s)	Registered address
LLAUD RESORT OPERATIONS PTY LTD	Suite 10, 15 Old Barrenjoey Road AVALON BEACH NSW 2107

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	Finlayvale Road MOSSMAN QLD 4873
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 4/CP881013

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

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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: 08 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)

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.

Obligations under the *Mining and Quarrying Safety and Health Act 1999*
If you are operating a quarry, other than a sand and gravel quarry where there is no crushing capability, you will be required to comply with the *Mining and Quarrying Safety and Health Act 1999*. For more information on your obligations under this legislation contact Mine Safety and Health at www.dnrm.qld.gov.au, or phone 13 QGOV (13 74 68) or your local Mines Inspectorate Office.

Development Approval
This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

Environmental relevant activity	Location
ERA 63 (1)(b)(i) – Sewage treatment, Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of, more than 100 but not more than 1500EP if treated effluent is discharged from the works to an infiltration trench or through an irrgiation scheme.	Lot 4 on Plan CP881013 423 'Silky Oaks Lodge' Finlayvale Road, Finlayvale QLD 4873.

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

Agency interest: General	
Condition number	**Condition**
G1	**Access to Copy of Environmental Authority** A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
G2	**Records** Any record or document required to be kept by a condition of this environmental authority must be kept at the licensed place for a period of at least five (5) years and be available for examination by an authorised person, For daily and weekly records, the record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period,

G3	**Operator Competence** The holder of this environmental authority must ensure that operation and maintenance of both the sewage treatment plant and effluent irrigation system are carried out by or under the supervision of a person who is competent to operate and maintain the plant.
G4	**Alterations** 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 above that expressly provided by this environmental authority. 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.
G5	**Monitoring and Measurements** All determinations of the quality and quantity of contaminants released to the environment and all measurements that are required by this environmental authority must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required determinations and the required measurements.
G6	All instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.
G7	**Integrated Environmental Management System (IEMS)** The Integrated Environmental Management System (IEMS) submitted with the application must be implemented from the date this licence takes effect.
G8	Any proposed amendment to the approved IEMS must be submitted to the administering authority for approval and, once the amendment has been approved by the administering authority, incorporated into the EMS.
G9	A copy of the Integrated Environmental Management System must be kept at the licensed place.
G10	**Complaint Recording** All complaints received by the holder of this environmental authority relating to releases of contaminants from operations at the licensed place must be recorded and kept with the following details: a) time, date and nature of complaint; b) type of communication (telephone, letter, personal etc.); 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); d) response and investigation undertaken as a result of the complaint; e) name of person responsible for investigating complaint; and f) action taken as a result of the complaint investigation and signature of responsible person.

G11 **Monitoring of Contaminant Releases to Lands and Waters**

The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the contaminants released for the release points, quality characteristics, and at the frequency specified in - Table 2.

Table 1- Quality Characteristic Determination

QUALITY CHARACTERISTIC DETERMINATION	FREQUENCY
5-day Biochemical Oxygen Demand.	Every Two Months
Suspended Solids.	Every Two Months
pH.	Every Week
Dissolved Oxygen	Every 2nd day
Ammonia Nitrogen.	Every Week
Nitrate nitrogen	Every Week
Total Nitrogen	Every Two Months
Oil and Grease	Every Two Months
Faecal Coliforms	Every Two Months
Orthophosphate	Every Week

G12 **Sampling and Monitoring Point Details**

Determinations of the quality of contaminants released to lands and waters to check conformity with the release quality characteristics specified in the Water Schedule of this environmental authority must be undertaken at the sampling and in situ monitoring point(s) described as:

a) sampling point - wet weather storage.

G13 All determinations of the quality of contaminants released to waters must be made in accordance with methods prescribed in the Department of Environment and Science, Monitoring and Sampling Manual 2009, V2 2010, or more recent additions or supplements to that document as such become available.

G14 **Monitoring of Volume of Release**

The daily quantity of contaminants released must be determined by a method acceptable to the administering authority.

G15 Records must be kept of the results of all determinations of the daily quantity of contaminants released to waters.

G16 The holder of this environmental authority must ensure that the results of all monitoring performed in accordance with this environmental authority for the period covered by the return are submitted with the annual return.

G17 **Exception Reporting**

The holder of this environmental authority must notify the administering authority in writing within twenty-eight (28) days of completion of analysis of any result of a monitoring program required by a condition of this environmental authority which indicates an exceedance of any limit specified in this environmental authority.

G18	The written notification required by condition number G17 above must include: a) the full analysis results; and b) details of investigation or corrective actions taken; and c) any subsequent analysis.
G19	**Incident Recording** A record must be maintained of at least the following events: a) the time, date and duration of equipment malfunctions where the failure of the equipment resulted in the release of contaminants reasonably likely to cause environmental harm; b) any uncontrolled release of contaminants reasonably likely to cause environmental harm; and c) any emergency involving the release of contaminants reasonably likely to cause material or serious environmental harm requiring the use office fighting equipment.
Agency interest: Air	
Condition number	**Condition**
A1	In the event of a complaint made to the administering authority about odour generated on the licensed sites that constitutes annoyance and which the administering authority considers to be neither frivolous or vexatious, the holder of this environmental authority must take steps to mitigate the odour source to ensure that no noxious or offensive odour is released beyond the boundaries of the licensed place.
Agency interest: Water	
Condition number	**Condition**
W1	**Release of Contaminants to Waters** Sewage or treated sewage effluent must not be directly or indirectly released from any source on the licensed place to any waters at any location other than the contaminants and sources at the location listed below: a) Release Point W1 - the irrigation area marked on the site plan in Appendix 1 – Location of Release Points W1 and W2; and b) Release Point W2 - the wet weather storage tank discharge into the Mossman River as shown in Appendix 1 – Location of Release Points W1 and W2**.**
W2	Pump stations whose failure would result in a direct or indirect release of contaminants to waters must be fitted with pump-failure and high level alarms, and be a priority load of the required standby generator. Pump stations shall either be provided with standby pumps and a minimum of six (6) hours overflow storage or where approved twelve (12) hours storage only. Pump station operation shall be continuously electronically monitored at both day and night positions. Spare pumps shall be present at the premises at all times.
W3	**Contaminant Releases Caused by Rainfall** The environmentally relevant activity must be carried out by such practicable means necessary to prevent the contact of incident rainfall and stormwater runoff with wastes or other contaminants.

W4	The environmentally relevant activity must be carried out by such practical means necessary to prevent the release or likelihood of release of sewage effluent from the licensed place to any stormwater drain or waters or the bed or banks of any such waters.
W5	**General** The maintenance and cleaning of vehicles and any other plant and equipment must not be carried out in areas from which contaminants can be released into any waters, roadside gutter or stormwater drainage system.
Agency interest: Land	
Condition number	**Condition**
L1	**Irrigation of Treated Sewage Effluent to Land** The holder of this environmental authority must not discharge any treated sewage effluent to land under their control unless the discharge of treated sewage effluent to that area of land is permitted under this environmental authority.
L2	**Release of Contaminants to Land** Treated sewage effluent is the only contaminant permitted to be released to the defined contaminant release area.
L3	The defined contaminant release area is described as W1 on the site plan in Appendix 1 – Location of Release Points W1 and W2.
L4	The contaminant release area must not be used for grazing, recreational activities or as traffic thoroughfare.
L5	Spray arising from the application of sewage effluent to the irrigation area must not be allowed to drift beyond the boundaries of the licensed place.
L6	**Control of Release of Contaminants to Land** The release of contaminants to land, referred to in condition number (L2) to condition number (L5), must be carried out in a manner so as to ensure that: a) vegetation is not damaged; b) soil erosion and soil structure damage is minimised; c) there is no surface ponding of effluent; d) the effluent is evenly distributed on the irrigation area; and e) the infiltration of effluent beyond the plant root zone is minimised.
L7	Irrigation of treated sewage effluent on the licensed place must be rotated such that each portion of the irrigation area is irrigated at an application rate and frequency that optimises plant growth.
L8	**Quantity of Contaminants Released to Land** The quantity of contaminants discharged to the release area during any day must not exceed seventy (70) cubic metres.
L9	The contaminants released must comply, at the sampling and in-situ measurement point is specified in condition G11 – Table 1, with each of the release limits specified in condition L9 - Table 2 for each quality characteristic. **Table 2 - 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.</td><td>15 25</td><td>80th percentile maximum</td></tr><tr><td>Suspended Solids. (mg/l)</td><td>10 20</td><td>80th percentile maximum</td></tr><tr><td>pH.(pH units)</td><td>6.5-8.5</td><td>range</td></tr><tr><td>Dissolved Oxygen. (mg/l)</td><td>2</td><td>minimum</td></tr><tr><td>Ammonia Nitrogen. (mg.1)</td><td>3 5</td><td>80th percentile maximum</td></tr><tr><td>Oil and Grease,</td><td>10 15</td><td>80th percentile maximum</td></tr><tr><td>Nitrate Nitrogen</td><td>5 7</td><td>80th percentile maximum</td></tr><tr><td>Total Nitrogen</td><td>10 15</td><td>80th percentile maximum</td></tr><tr><td>Orthophosphate</td><td>1 2</td><td>80th percentile maximum</td></tr><tr><td>Faecal Coliforms</td><td>150</td><td>maximum</td></tr></table>
L10	When weather conditions or soil conditions preclude the application of sewage effluent in accordance with other conditions of this licence, those contaminants must be either: a) directed to the wet weather storage; or b) if continuing weather conditions so require and the effluent fully complies with the characteristics set out in Table 2, released to the Mossman River.
Agency interest: Noise	
Condition number	**Condition - No conditions are prescribed under this schedule**.
Agency interest: Waste	
Condition number	**Condition**
WS1	**General** Waste must not be released to the environment, stored, transferred or disposed of contrary to any condition of this environmental authority.
WS2	**Waste Management Plan (WMP)** The holder of this environmental authority must submit details of any amendment to the approved Waste Management Plan to the administering authority with the annual return which immediately follows the enactment of any such amendment.
WS3	**Off Site Movement** Where regulated waste is removed from the licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must monitor and keep records of the following: 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.
WS4	**Notification of Improper Disposal of Regulated Waste** If the holder of this environmental authority becomes aware that a person has removed regulated waste from the licensed place and disposed of the regulated waste in a manner which is not authorised by this environmental authority or improper or unlawful, then the holder of this environmental authority must, as soon as practicable, notify the administering authority of all relevant facts, matters and circumstances known concerning the disposal.

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 ants successor.

cubic metre ("m") means the volume of dry gaseous contaminant which occupies one (1) cubic metre at a temperature of zero degrees Celsius and at an absolute pressure of 101.3 kilopascals.

land means land excluding waters and the atmosphere,

licensed place means Silky Oaks Lodge, Lot 4, CP881013, Parish of Whyanbeel, County of Solender, located at Finlayvale Road, Mossman Old 4873.

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

mg/L means milligrams per litre.

minimum means that the measured valued of the quality characteristic or contaminant must not be less than the release limit stated.

range means that the measured value of the quality characteristic or contaminant must not be more than the higher release limit stated nor lower than the lower release limit stated.

the holder of this environmental authority means Silky Oaks Pty Ltd.

Total Nitrogen means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen.

80th percentile means that the measured values of the quality characteristic must not be greater than the release limit for any more than one out of five (5) consecutive samples where the time interval between the taking of each consecutive sample is not less than three (3) days.

END OF PERMIT

Appendix 1 – Site plans – Location of Release Points W1 and W2

