Permit

Environmental Protection Act 1994

Environmental authority EPPR00531313

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

Environmental authority number: EPPR00531313

Environmental authority takes effect on 29 June 2017

Environmental authority holder(s)

Name(s)	Registered address
Micklisa Pty Ltd	C/- Mystic Sands Golf Club 114 Mystic Ave BALGAL BEACH QLD 4816

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 301/SP226453
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 302/SP271013
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 300/SP271013
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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 2/SP226453

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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 5/SP226453
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 6/SP226453
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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
- 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.

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

Date issued: 30 June 2017

Enquiries:
Waste and Contaminated Land Assessment
Department of Environment and Heritage Protection
Phone: 1300 130 372
Email: palm@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)

Legislative Requirements and Conditions of Environmental Authority

Condition

General

A1G1	The operator of an ERA to which this approval relates must: a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and b) maintain such measures, plant and equipment in a proper and efficient condition; and c) operate such measures, plant and equipment in a proper and efficient manner.
A1G2	Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.
A1G3	From commencement of an ERA to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and continual improvement' in the overall environmental performance of all ERAs that are carried out. The SBMP must address the following matters; a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals. b) Identification of environmental issues and potential impacts. c) Control measures for routine operations to minimise likelihood of environmental harm. d) Contingency plans and emergency procedures for non-routine situations. e) Organisational structure and responsibility. f) Effective communication. g) Monitoring of contaminant releases. h) Conducting environmental impact assessments. Staff training, j) Record keeping. k) Periodic review of environmental performance and continual improvement.
A1G4	All records required by this approval must be kept for 5 years.
A1G5	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
A1G6	A record of all waste must be kept detailing the following information: a) date of pickup of waste, b) description of waste; c) quantity of waste; d) origin of the waste; and e) destination of the waste.
A1G7	The latest edition of the Queensland Environmental Protection Agency's INSTRUCTIONS FOR THE TREATMENT AND MANAGEMENT OF ACID SULFATE SOILS, 2001, ('the Instructions') must be complied with when treating and managing acid sulfate soils.
A1G8	All acid sulfate soils must be disposed of or managed within the authorised place.
A1G9	Telephone the EPA's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.
A1G10	A written notice detailing the following information must be provided to the EPA within 14 days of any advice provided in accordance with condition A1G9: a) the name of the operator, including their approval/registration number;

b) the name and telephone number of a designated contact person,
c) quantity and substance released;
d) vehicle and registration details
e) person/s involved (driver and any others);
f) the location and time of the release;
g) the suspected cause of the release;
h) a description of the effects of the release;
i) the results of any sampling performed in relation to the release;
j) actions taken to mitigate any environmental harm caused by the release; and
k) proposed actions to prevent a recurrence of the release.

A1G11 A competent person(s) must conduct any monitoring required by this approval.

A1G12 All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, and appropriately operated and maintained.

A1G13 The daily operation of the waste water treatment system and pollution control equipment must be carried out by a person(s) with appropriate experience and/or qualifications to ensure the effective operation of that treatment system and control equipment.

A1G14 An appropriate spill kit, personal protective equipment and relevant operator instructions/ emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.

A1G15 Anyone operating under this approval must be trained in the use of the spill kit.

Acoustic

A1N1 Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.

A1N2 When requested by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority. Monitoring must include:
- LA 10, adj, 10 mins
- LA 1, adj, 10 mins
- the level and frequency of occurrence of impulsive or tonal noise;
- atmospheric conditions including wind speed and direction;
- effects due to extraneous factors such as traffic noise; and
- location, date and time of recording.

A1N3 The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

Air

A1A1 The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any nuisance sensitive or commercial place.

A1A2 The release of dust and/or particulate matter resulting from the ERA must not cause an environmental nuisance at any nuisance sensitive or commercial place.

Land

A1L1 The sewage treatment plant and land irrigation area are to be located in accordance with the attached drawing QE07-0217/C000 Revision B, (the recorded date of the drawing being 25.02.2008). The only contaminants permitted to be released to land are treated effluent at the irrigation area and in compliance with the limit levels stated in Table 1 —

Contaminant release limits to land at the monitoring point - STP discharge to the Final Effluent Storage Tank and at the land irrigation area.

A1L2 The irrigation of effluent must be carried out in a manner such that:
a) vegetation is not damaged;
b) soil erosion and soil structure damage is avoided;
c) there is no surface ponding of effluent;
d) percolation of effluent beyond the plant root zone is minimised;
e) the capacity of the land to assimilate nitrogen, phosphorus, salts, organic matter as measured by oxygen demand and water is not exceeded; and
f) the quality of ground water is not adversely affected.

A1L3 Notices must be prominently displayed on areas undergoing effluent irrigation, warning the public that the area is irrigated with effluent and not to use or drink the effluent. These notices must be maintained in a visible and legible condition.

A1L4 Monitoring must be undertaken and records kept of a monitoring program of contaminant releases to the irrigation area at the monitoring points, frequency, and for the parameters specified in Table 1 —Contaminant release limits to land at the monitoring point - STP discharge to the Final Effluent Storage Tank and at the land irrigation area.

A1L5 The daily volume of contaminants released to land must not to exceed 32,000 litres per day.

A1L6 The daily volume of contaminants released to land must be determined or estimated by an appropriate method, with an accuracy of plus or minus 5%, for example a flow meter, and records kept of such determinations and estimates.

A1L7 When conditions prevent the irrigation of treated effluent to land (such as during rain events), alternative measures must be taken to store/dispose of effluent (such as wet weather storage or tankering off site).

A1L8 Pipelines and fittings associated with the effluent irrigation system must be clearly identified. Lockable valves or removable handles must be fitted to ail release pipes situated in public access areas.

A1L9 A minimum area of 4.0 hectares of land, excluding any necessary buffer zones, must be utilised for the irrigation of treated effluent/stormwater.

A1L10 Notwithstanding the quality characteristic limits specified in Table 1 - Contaminant release limits to land, releases of effluent must not have any properties nor contain any organisms or other contaminants in concentrations that are capable of causing environmental harm.

Social

A1S1 The operator of the ERA must record the following details for all complaints received and provide this information to the administering authority on request:
a) Time, date, name and contact details of the complainant;
b) reasons for the complaint;
c) any investigations undertaken;
d) conclusions formed; and
e) any actions taken.

Water

A1WA1 There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.

A1WA2 Contaminant pumping stations must be fitted with stand-by pumps and pump-failure alarms as well as high level alarms to warn of imminent pump station overflow. All alarms must be able to operate without mains power.

A1WA3 All ponds used for the storage or treatment of contaminants, sewage or wastes at or on the authorised place must be constructed, installed and maintained:
a) so as to minimise the likelihood of any release of effluent through the bed or banks of the pond to any waters (including ground water);
b) so that a freeboard of not less than 0.5 metres is maintained at all times, except in emergencies; and
c) so as to ensure the stability of the ponds' construction.

A1WA4 Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from entering any ponds or other structures used for the storage or treatment of contaminants or wastes.

A1WA5 Groundwater must be monitored in accordance with the site base management plan submitted with the application.

Tables

Table 1 Contaminant release limits to land at the monitoring point W1 – STP discharge to the Final Effluent Storage Tank

Quality Characteristics	Release Limit				
	Monitoring Frequency	Minimum	95th Percentile	Maximum	Median
5 day BOD mg/L	Monthly				20
TDS – mg/L	Monthly				1,000
pH	Daily	6.0		8.5	
Total Nitrogen mg/L as TN	Monthly			30	8
Total Phosphorus mg/L	Monthly			10	8
Free Chlorine mg/L	Daily	1.0			
E. Coli cfu/100ml	Weekly			600	100
Electrical Conductivity microsiemens / cm	Weekly			1,500	
Dissolved Oxygen mg/L	Daily	2.0			
Total Suspended solids mg/L as TSS	Monthly				30

Definitions Words and phrases used throughout this permit1 are defined below, Where a definition for a term used in this permit' is sought and the term is not defined within this permit' the definitions provided in the relevant legislation shall be used.
“administering authority” means the Environmental Protection Agency or its successor.
“annual return” means the return required by the annual notice (under section 316 of the Environment Protection Act 1994) for the section 73F registration certificate that applies to the development approval.
"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the integrated Planning Act 1997.
"approved plans" means the plans and documents listed in the approved plans section in the notice attached to this development approval,
"authorised place" means the place authorised under this development approval for the carrying out of the specified environmentally relevant activities.
"commercial place" means a place used as an office or for business or commercial purposes.
"dwelling" means any of the following structures or vehicles that is principally used as a residence -
- a house, unit, motel, nursing home or other building or part of a building;
- a caravan, mobile home or other vehicle or structure on land;
- a water craft in a marina.

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"Environmental Protection Agency" means the department or agency (whatever called) administering the Coastal Protection and Management Act 1995 or the Environmental Protection Act 9994.
"intrusive noise" means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration —
- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.
- In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

"LA 10, adj, 10 mins" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.
"LA 1, adj, 10 mins" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Past response.
"land" in the "land schedule" of this document means land excluding waters and the atmosphere.
"Median" means the middle value, where half the data are smaller and half the data 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.
"mg/L" means milligrams per litre.
"noxious" means harmful or injurious to health or physical well being.
"NTU" means nephelometric turbidity units.
"nuisance sensitive place" includes -
- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- 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.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.
"protected area" means —
- a protected area under the Nature Conservation Act 1992; or
- a marine park under the Marine Parks Act 1992; or
- a World Heritage Area.

"regulated waste" means non-domestic waste mentioned in Schedule 7 of the Environmental Protection Regulation 1998 (whether or not it has been treated or immobilised), and includes -
- for an element any chemical compound containing the element; and
- anything that has contained the waste.

"site" means land or tidal waters on or in which it is proposed to carry out the development approved under this development approval,
“watercourse" means a river, creek or stream in which water flows permanently or intermittently-
- in a natural channel, whether artificially improved or not; or
- in an artificial channel that has changed the course. of the watercourse.

"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part-thereof,
"works" or "operation" means the development approved under this development approval.
"you" means the holder of this development approval or owner I occupier of the land which is the subject of this development approval.

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"50th percentile" means not more than three (3) of the measured values of the quality characteristic are to exceed the stated release limit for any six (6) consecutive samples for a release/monitoring point at any time during the environmental activity(ies) works.
"95th percentile" is the value that 95% of the samples must be less than.

Queensland Government

Department of Environment and Heritage Protection
www.ehp.qld.gov.au ABN 46 640 294 485

Attachment 1 – Drawing QE07-0217/C000 Revision B dated 25.02.2008

