

Permit

Environmental Protection Act 1994

Environmental authority EPPR00542813

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

Environmental authority number: EPPR00542813

Environmental authority takes effect on 02-01-2020

Environmental authority holder(s)

Name(s)	Registered address
Peter Miller	10 Daniels St CONWAY BEACH QLD 4800 Australia

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
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 on SP126395

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.

Cathy Birt
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

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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)

Conditions of environmental authority

ERA	Location
ERA 63 Sewage Treatment (1)(a)(i): operating sewage treatment works, other than no-release works, with a total daily peak design capacity of— 21 to 100EP— if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme.	10 Daniels Street, Conway Beach QLD 4800 - Lot 10 Plan SP126395

The environmentally relevant activities 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	Prevent and / or minimise likelihood of environmental harm. In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and / or minimise the likelihood of environmental harm being caused.
G2	Maintenance of Measures, Plant and Equipment 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.
G3	Site Based Management Plan 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; (i) staff training; (j) record keeping; and

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	(k) periodic review of environmental performance and continual improvement.
G4	The site based management plan must not be implemented or amended in a way that contravenes any conditions of this approval.
G5	Records Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.
G6	All records required by this approval must be kept for 5 year.
G7	Waste Records A record of all regulated 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.
G8	Annual Monitoring Report An annual monitoring report must be prepared each year and presented to the administering authority when requested. This report shall include but not be limited to: (a) a summary of the previous twelve (12) months monitoring results obtained under any monitoring programs required under this approval and, in graphical form showing relevant limits, a comparison of the previous twelve (12) months monitoring results to both this approvals limits and to relevant prior results; (b) an evaluation / explanation of the data from any monitoring programs; (c) a summary of any record of quantities of releases required to be kept under this approval; (d) a summary of the record of equipment failures or events recorded for any site under this approval; (e) an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs; and (f) the number of new caravan / cabin / camping sites added to the operation during the previous twelve (12) months.
G9	Notification Telephone the Department of Environment and Science'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.
G10	Monitoring A competent person(s) must conduct any monitoring required by this approval.
G11	Equipment Calibration 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.

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G12	Trained / Experienced Operator(s) 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.
G13	Spill Kit 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.
G14	Spill Kit Training Anyone operating under this approval must be trained in the use of the spill kit.
Agency interest: Air	
Condition number	Condition
A1	Nuisance 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.
A2	Dust Nuisance 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.
Agency interest: Land	
Condition number	Condition
L1	Land Disposal The only contaminants permitted to be released to land are treated effluent to the areas shown in Figure 1 in compliance with the limits levels stated in <i>Table 1 - Contaminant release limits to land</i> and the conditions of this approval.
L2	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.
L3	Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm. Note: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.

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L4	Notwithstanding the quality characteristic limits specified in <i>Table 1 - Contaminant release limits to land</i> , releases of effluent must not have any properties nor contain any organisms or other contaminants in concentrations that are capable of causing environmental harm.
L5	Pipelines and fittings associated with the effluent irrigation system must be clearly identified. Lockable valves or removable handles must be fitted to all release pipes situated in public access areas.
L6	When conditions prevent the irrigation of treated effluent to land (such as during or following rain events), the contaminants must be directed to a wet weather storage or alternative measures must be taken to store / lawfully dispose of effluent (such as wet storage or tanking off site to another treatment plant or sewer). A record must be kept of any removal or discharge off site, including destination, transporter, dates and volumes.
L7	The daily volume of contaminants released to land must be determined or estimated by an appropriate method, for example a flow meter, and records kept of such determinations and estimates.
L8	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 <i>Table 2 - Monitoring program</i> .
L9	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 notice must be maintained in a visible and legible condition.
Agency interest: Noise	
Condition number	Condition
N1	Noise Nuisance Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
N2	All noise activities must not exceed the levels specified in <i>Table 3 - Noise limits</i> at any nuisance sensitive or commercial place.
N3	The method of measurement and reporting of noise levels must comply with the latest edition of the Department of Environment and Science's Noise Measurement Manual.
N4	Noise Monitoring 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: (a) L _A 10, adj, 10 mins (b) L _A 1, adj, 10 mins (c) the level and frequency of occurrence of impulsive or tonal noise (d) atmospheric conditions including wind speed and direction; (e) effects due to extraneous factors such as traffic noise; and (f) location, date and time of recording.

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Agency interest: Social	
Condition number	Condition
S1	Complaint Response 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.
Agency interest: Waste	
Condition number	Condition
W1	Regulated waste must be handled and transferred in a proper and efficient manner to prevent any leakage or spillage of waste.
Agency interest: Water	
Condition number	Condition
WA1	Release to waters Contaminants must not be released from the site to any waters or the bed and banks of any waters.
WA2	Stormwater management Except as otherwise provided by the conditions of this environmental authority, the ERA must be carried out by such reasonable and practicable means necessary to prevent the contact of incident rainfall and stormwater runoff with waste or other contaminants.
WA3	All stormwater treatment devices used to treat stormwater from the site must be maintained in proper and efficient working condition.

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.

Administering authority means the Department of Environment and Science or its successors or predecessors.

L_A 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.

L_A 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 Fast response.

L_A, max adj, T means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

Land in the 'land schedule' of this document means land excluding waters and the atmosphere.

mg/L means milligrams per litre.

Noxious means harmful or injurious to health or physical well being.

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 2004 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 person 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 2004*; or
- a World Heritage Area.

Regulated waste means non-domestic waste mentioned in Schedule 9 of the *Environmental Protection Regulation 2019* (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 activity under this approval.

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 relevant activity approved under this approval.

You means the holder of the environmental authority.

Table 1 - Contaminant release limits to land

Quality characteristics	Release Limit	
	Minimum	Maximum
Biological Oxygen Demand (BOD)	-	20mg/L
Total suspended solids (TSS)	-	30mg/L
Thermotolerant coliforms (Organisms/100mL)	-	100 colonies per 100mL
pH	6.5	8.5

Table 2 - Monitoring program

Monitoring point	Quality characteristics	Units	Frequency
STP 1 - release of treated effluent to land disposal area	Biological Oxygen Demand	Milligrams per litre	Twice yearly
	Total suspended solids	Milligrams per litre	
	Thermotolerant coliforms	Organisms/100mL	
	pH	pH units	
	Total Phosphorous	Milligrams per litre	
	Total Nitrogen	Milligrams per litre	
	Ammonia	Milligrams per litre	
	Nitrate	Milligrams per litre	
STP 2 - release of treated effluent to land disposal area	Biological Oxygen Demand	Milligrams per litre	
	Total suspended solids	Milligrams per litre	
	Thermotolerant coliforms	Organisms/100mL	
	pH	pH units	
	Total Phosphorous	Milligrams per litre	
	Total Nitrogen	Milligrams per litre	
	Ammonia	Milligrams per litre	
	Nitrate	Milligrams per litre	
STP 3 - release of treated effluent to land disposal area	Biological Oxygen Demand	Milligrams per litre	
	Total suspended solids	Milligrams per litre	
	Thermotolerant coliforms	Organisms/100mL	
	pH	pH units	
	Total Phosphorous	Milligrams per litre	

Downstream groundwater monitoring bores	Total Nitrogen	Milligrams per litre	
	Ammonia	Milligrams per litre	
	Nitrate	Milligrams per litre	
	Thermotolerant coliforms	Organisms/100mL	
	Ammonia	Milligrams per litre	
	Nitrate	Milligrams per litre	

Table 3 - Noise limits

Noise level dB(A) measured as	Monday to Saturday			Sundays and Public Holidays		
	7am - 6pm	6pm - 10pm	10pm - 7am	9am - 6pm	6pm - 10pm	10pm - 9am
	Noise measured at a Noise sensitive place					
LA10, adj, 10 mins	Bkg +5	Bkg +5	Bkg +0	Bkg +5	Bkg +5	Bkg +0
LA1, adj, 10 mins	Bkg +10	Bkg +10	Bkg +5	Bkg +10	Bkg +10	Bkg +5
	Noise measured at a Commercial place					
LA10, adj, 10 mins	Bkg +10	Bkg +10	Bkg +5	Bkg +10	Bkg +10	Bkg +5
LA1, adj, 10 mins	Bkg +15	Bkg +15	Bkg +10	Bkg +15	Bkg +15	Bkg +10

Note: Bkg means background noise level

Figure 1

