Permit

Environmental Protection Act 1994

Environmental authority EPPR03903216

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

Environmental authority number: EPPR03903216

Environmental authority takes effect on day of approval.

The anniversary day of this environmental authority remains **22 June**. The payment of the annual fee will be due each year on this day. An annual return will be due each year on **1 March.**

Environmental authority holder

Name	Registered address
LUTHERAN CHURCH OF AUSTRALIA QLD DISTRICT	5 Faith Avenue PLAINLAND QLD 4341

Environmentally relevant activity and location details

Environmentally relevant activity	Location
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 635 on RP806234

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.

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Chris Mooney
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 20 December 2019

Enquiries:
Heritage, Utilities and Government Assessment
Department of Environment and Science

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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.

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.

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Conditions of environmental authority

Environmentally relevant activity	Location
ERA 63 – Sewage treatment 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 635 on RP806234

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

Agency interest: General	
Condition number	**Condition**
G1	**Activities** conducted under this environmental authority must not be conducted contrary to any of the following limitations: (a) Inflows to sewage treatment works must not exceed 7kL per **day** on any **day;** and (b) Treated effluent must be evenly distributed over the approved irrigation areas via sub-surface irrigation as indicated in Figure 1 - Irrigation Area Plan.
G2	All reasonable and practicable **measures** must be taken to prevent the likelihood of environmental harm being caused.
G3	Any breach of a condition of this environmental authority must be reported to the **administering authority** as soon as practicable, or at most, within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.
G4	Other than as permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.
G5	All information and records required by the conditions of this environmental authority must be kept for a minimum of five years with the exception of environmental monitoring results which must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the **administering authority** upon request and in the format requested.
G6	An **appropriately qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.

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G7	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (**NATA**) certification, or an equivalent certification, for such analyses.
G8	**You** must record the following details for all environmental **complaints** received: (a) date and time complaint was received (b) name and contact details of the complainant (c) nature of the complaint (d) investigations undertaken (e) conclusions formed (f) actions taken.
G9	When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a **complaint** not considered by the **administering authority** to be frivolous or vexatious, of **environmental nuisance** arising from the **activity**. The monitoring results must be provided to the **administering authority** upon request.
G10	The **activity** must be undertaken in accordance with written procedures that: (a) identify potential risks to the environment from the **activity** during routine operations, closure and an emergency; (b) establish and maintain control **measures** that minimise the potential for environmental harm; (c) ensure plant, equipment and **measures** are maintained in a proper and effective condition; (d) ensure plant, equipment and **measures** are operated in a proper and effective manner; (e) ensure that staff are trained in and aware of their obligations under the *Environmental Protection Act 1994;* and (f) ensure that reviews of environmental performance are undertaken at least annually.
Agency interest: Air	
Condition number	**Condition**
A1	Odours or airborne contaminants must not cause **environmental nuisance** at a **sensitive place** or **commercial place**.
Agency interest: Water	
Condition number	**Condition**

WT1	Contaminants must not be released to **waters**.
Agency interest: Noise	
Condition number	**Condition**
N1	Noise generated by the **activity** must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.
Agency interest: Waste	
Condition number	**Condition**
W1	All waste generated in carrying out the **activity** must be reused, recycled or lawfully disposed offsite.
TP1	Treated effluent may be removed from the site and used for an alternate lawful purpose, with the written consent of any third party involved.
Agency interest: Land	
Condition	
L1	The only contaminants to be released to land are treated effluent in accordance with the Table 1 – Treated effluent release limits to irrigation area and the associated requirements.

Table 1 – Treated effluent release limits

Quality characteristics	Release Limit	Limit type	Frequency
Total Nitrogen*	60mg/L	maximum	quarterly
Total Phosphorus*	20mg/L	maximum	quarterly
Electrical conductivity	1600µs/cm	maximum	quarterly
pH	5.0 – 8.5	range	quarterly
Total residual Chlorine (if used for disinfection)	1mg/L	maximum	quarterly
E. coli	<10cfu/100ml	maximum	quarterly

Associated requirements

1. Monitoring must be in accordance with the **administering authority**'s Water Quality Sampling Manual and all monitoring devices must be effectively calibrated and maintained.

	2. Releases of treated effluent must not be outside of the locations identified on the approved Irrigation Area Plan. 3. * note that these limits would typically correspond to long term total Nitrogen and total Phosphorus concentrations of 30mg/L and 10mg/L respectively. 4. A minimum irrigation area of 3608m^2 must be available.
L2	Treated effluent released to land must be done in accordance with documentation that ensures: (a) drainage to groundwater and subsurface flows of contaminants to surface **waters** are prevented; (b) surface pondage and run-off of effluent is prevented; (c) degradation of soil structure is minimised; (d) soil sodicity and the build-up of nutrients and heavy metals in the soil and subsoil are minimised; (e) spray drift or overspray does not carry beyond effluent disposal areas; (f) effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake; (g) sufficient buffer zones are maintained between irrigation sites and sensitive environmental receptors; and (h) The crop on the disposal area is harvested and removed from the disposal area.
L3	When weather conditions or soil conditions preclude the release of treated effluent to land, effluent must not be irrigated to land.

Definitions

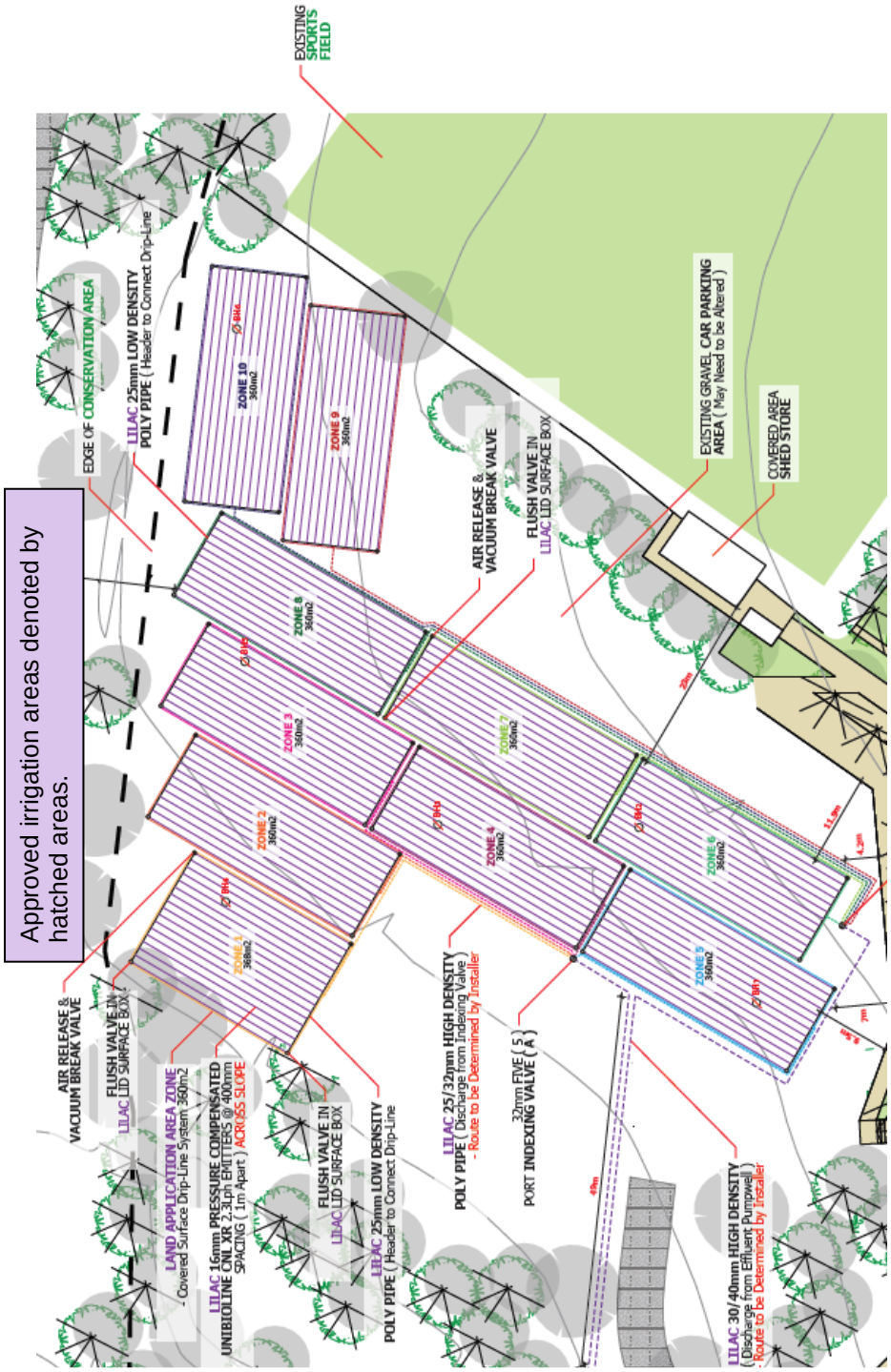
Note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Term	Definition
Activity	means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.
Administering authority	means the Department of Environment and Science or its successor or predecessors.
Appropriately qualified person(s)	means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.
BOD_5	means the 5 day biochemical oxygen demand determined using standard tests (e.g. those used by **NATA** laboratories). This test is not inhibited for nitrification, otherwise would be referred to as "carbonaceous" BOD.
Commercial Place	means 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.
Day	means any 24 hour period.
Environmental nuisance	as defined under Chapter 1 of the *Environmental Protection Act 1994.*
Environmental value	as defined under Chapter 1 of the *Environmental Protection Act 1994.*
Measures	has the broadest interpretation and includes plant, equipment, physical objects, bunding, containment systems, monitoring, procedures, actions, directions and competency.
NATA	means National Association of Testing Authorities.

Prescribed contaminants	means contaminants listed within Schedule 10 of the *Environmental Protection Regulation 2019*.
Release of a contaminant into the environment	means to: • deposit, discharge, emit or disturb the contaminant • cause or allow the contaminant to be deposited, discharged, emitted or disturbed • fail to prevent the contaminant from being deposited, discharged emitted or disturbed • allow the contaminant to escape • fail to prevent the contaminant from escaping.
Sensitive place	includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place: • 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 • for noise, a place defined as a sensitive receptor for the purposes of the *Environmental Protection (Noise) Policy 2019*.
Total Nitrogen (TN)	means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen, expressed as mg/L as Nitrogen. This includes both the inorganic and organic fraction of nitrogen.
Total Phosphorus (TP)	means the sum of the reactive phosphorus, acid-hydrolysable phosphorus and organic phosphorus,

	as mg/L of Phosphorus. This includes both the inorganic and organic fraction of phosphorus**.**
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.
You	means the holder of the environmental authority.

Figure 1 - Irrigation Area Plan



END OF ENVIRONMENTAL AUTHORITY

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