Queensland Government

Department of
Environment and Heritage Protection

12-JAN-2015

To: Lutheran Church of Australia Queensland
District T/A St Peters Lutheran College
PO Box 27
CROWS NEST QLD 4355

Email: ironbark@stpeters.qld.gov.au

Your reference: EPPR02595514
Our reference: 422542

Application details
I refer to the application that was received by the administering authority on 17-OCT-2014.
Land description: 318 Back Creek Road Crows Nest Lot 1 Plan SP204356.

Decision
Your application has been approved and your environmental authority (reference EPPR02595514) is attached.

Additional comments or advice
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 and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Natural Resources and Mines (to clear vegetation), and the Department of Agriculture Forestry and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Should you have any further enquiries, please contact the department on telephone 1300 130 372.
Yours sincerely

Industry & Development Assessment
Department of Environment & Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: (07) 3330 6037
Email: palm@ehp.qld.gov.au
Website **www.ehp.qld.gov.au**
ABN 46 640 294 485

Signature	Date
JAMA	12 - JAN - 2015.

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

Enclosed

Permit - environmental authority (reference EPPR02595514)

Permit[1]

Environmental Protection Act 1994

Environmental authority

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

Permit[1] number: EPPR02595514

Environmental authority takes effect on 12 January 2015

The first annual fee is payable within 20 business days of the effective date.

The anniversary date of this environmental authority is the same day each year as the take effect date. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Lutheran Church of Australia Queensland District T/A St Peters Lutheran College	318 Back Creek Road CROWS NEST QLD 4355

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63-(1a)(i) Sewage treatment >21 to 100EP - IT or IR	318 Back Creek Road Crows Nest - Lot 1 Plan SP204356

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental authority as to the scale, intensity or manner of carrying out an ERA, then the conditions prevail to the extent of the inconsistency.

An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority 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).

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.

J.A.H. Mackenzie	12 - JANUARY - 2015
Signature	Date

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

Enquiries:
Industry & Development Assessment
Department of Environment & Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: (07) 3330 6037
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)

Conditions of environmental authority

Location: 318 Back Creek Road, Crows Nest, QLD
Lot 1 Plan SP204356

Relevant activity/ies:

63-(1a) (i) Sewage treatment >21 to 100EP - IT or IR

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

Agency interest: General	
Condition number	**Condition**
G1	All reasonable and practicable **measures** must be taken to prevent the likelihood of environmental harm being caused.
G2	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.
G3	Other than as permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.
G4	All documents and records of monitoring required by conditions of this authority must be kept for at least five years.
G5	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.
G6	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.
G7	Storage of chemicals and fuels in bulk or in containers of greater than 15 litres must be within a secondary containment system and releases controlled in a manner that prevents environmental harm.

G8	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.
G9	The **activity** must be undertaken in accordance with written procedures that: 1. identify potential risks to the environment from the **activity** during routine operations, closure and an emergency 2. establish and maintain control **measures** that minimise the potential for environmental harm 3. ensure plant, equipment and **measures** are maintained in a proper and effective condition 4. ensure plant, equipment and **measures** are operated in a proper and effective manner 5. ensure that staff are trained in and aware of their obligations under the *Environmental Protection Act 1994* 6. 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**
W1	Stormwater contaminated by the activity must be managed to minimise or prevent any adverse effect on the environmental values of the receiving environment.

Agency interest: Land

Condition number	**Condition**
L1	A minimum buffer distance of 250m must be maintained between effluent disposal area/s and any bore used for domestic water supply.
L2	A minimum buffer distance of 50m must be maintained between the effluent disposal area/s and any watercourse, wetland or spring.
L3	In carrying out the activity all reasonable and practicable **measures** must be taken to prevent and/or minimise harm to Of Concern Regional Ecosystem 12.12.12 (Eucalyptus tereticornis, Corymbia intermedia, E. crebra +/- Lophostemon suaveolens woodland on Mesozoic to Proterozoic igneous rocks).
L4	Contaminants from the activity must not be released to land except as authorised under conditions L5, L7 and L8.

<table>
<tr><td>L5</td><td>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.</td></tr>
<tr><td>L6</td><td>When weather conditions or soil conditions preclude the release of treated sewage effluent to land, effluent must not be irrigated to land.</td></tr>
<tr><td>L7</td><td>In addition to the requirements of L5, the treated effluent must be evenly distributed over an area stated in Table 1 or a greater area.

Table 1 – Irrigation area requirements
<table><tr><th>Rainfall</th><th>Maximum irrigation rate</th><th>Minimum land required (m^2)</th></tr><tr><td><600 millimetres per year (mm/year)</td><td>3 millimetres per day (mm/day)</td><td>335m^2 per m^3 of treated effluent irrigated</td></tr><tr><td>>600mm/year to 1000 mm/year</td><td>2mm/day</td><td>500m^2 per m^3 of treated effluent irrigated</td></tr><tr><td>>1000mm/year</td><td>1mm/day</td><td>1000m^2 per m^3 of treated effluent irrigated</td></tr></table></td></tr>
<tr><td>L8</td><td>Treated effluent released to land must comply with the limits in Table 2.

Table 2 – Contaminant release limits to land
<table><tr><th>Quality characteristics</th><th>Release limit</th><th>Limit type</th></tr><tr><td>Total nitrogen</td><td>30mg/L</td><td>maximum</td></tr><tr><td>Total phosphorous</td><td>15mg/L</td><td>maximum</td></tr><tr><td>Electrical conductivity</td><td>1600µs/cm</td><td>maximum</td></tr><tr><td>pH</td><td>6.5–8.5</td><td>range</td></tr><tr><td>Total residual chlorine (if used for disinfection)</td><td>1mg/L</td><td>maximum</td></tr><tr><td>E. coli</td><td>1000cfu/100ml</td><td>maximum</td></tr></table></td></tr>
<tr><td>L9</td><td>Quarterly monitoring of treated effluent must be carried out in accordance with the Monitoring and Sampling Manual 2009 (EHP) to assess compliance with condition (L8) and records of the results maintained.</td></tr>
</table>

Agency interest: Waste	
Condition number	**Condition**
R1	Other than effluent released to land in accordance with conditions (L5), (L7) and L8), all waste generated in carrying out the activity must be reused, recycled or lawfully disposed of offsite.

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.

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 Heritage Protection 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.

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.

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.*

EP means equivalent person. EP = V/200, where V is the volume, in litres, of the average dry weather flow of sewage that can be treated at the works in a day.

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.

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 1992* 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 2008.*

You means the holder of the environmental authority.

END OF PERMIT