

## Registration certificate

*Environmental Protection Act 1994*

# Certificate of Registration

**No: ENRE00939409**

This registration certificate is issued by the administering authority and takes effect from: 21-FEB-2011.

The anniversary day for the purposes of the Annual Return remains: 9 July.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activity listed below at the following place; subject to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

**Registered Operator:-**

Nazarene Theological College  
40 Woodlands Drive  
THORNLANDS QLD 4164

**Place:-**

Lot 1 Plan RP851065

**Located at:-**

24-30 Woodlands Drive, THORNLANDS QLD 4164

**Registered Activity: -**

**ERA 63 Sewage treatment Threshold 2(b)** - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 to 1500EP (i) if treated effluent is discharged to an infiltration trench or through an irrigation scheme

*C. E. Birt*

Cathy Birt  
Delegate  
Administering authority  
Environmental Protection Act 1994

21-FEB-2011



## Concurrence Agency Response

### Section 3.3.16 and 3.3.18 *Integrated Planning Act 1997*

|                                          |                                                                        |
|------------------------------------------|------------------------------------------------------------------------|
| <b>Applicant:</b>                        | Nazarene Theological College                                           |
| <b>Assessment Manager</b>                | DA030172                                                               |
| <b>Application number:</b>               |                                                                        |
| <b>EPA Development</b>                   | SR0383DA                                                               |
| <b>Application number:</b>               |                                                                        |
| <b>Date application received by EPA:</b> | 12 February 2003                                                       |
| <b>Relevant Laws and Policies:</b>       | <i>Environmental Protection Act 1994</i> and subordinate legislation   |
| <b>Jurisdiction::</b>                    | Item 5 of Schedule 2 of the <i>Integrated Planning Regulation 1998</i> |

#### Development Description:

##### Carrying out of Environmentally Relevant Activity (ERA):

**15(b) Sewage treatment** - Operating a standard sewage treatment works having a peak design capacity to treat sewage of 100 or more equivalent persons but less than 1 500 equivalent persons

##### at the following place(s):

Lot 1 RP 851065

##### located at:

24-30 Woodlands Drive Thornlands QLD 4164

#### Type of development

Material change of use of premises is:

- the start of a new use of the premises, and
- a material change in the intensity or scale of the use of the premises

#### Response to Development Application

The Environmental Protection Agency, acting as a concurrence agency under the *Integrated Planning Act 1997*, provides its response to the application detailed above.

The concurrence agency response is that conditions must attach to any development approval

### Reasons for inclusion of development conditions or refusal

In accordance with section 3.3.18(7) of the *Integrated Planning Act 1997* and section 27B of the *Acts Interpretation Act 1954*, a concurrence response must include reasons for a refusal or for the inclusion of development conditions. The Environmental Protection Agency is recognised as a concurrence agency under the *Integrated Planning Amendment Regulation (No. 1) 1998* for the protection of the environment against the release or potential release of contaminants that will or may cause environmental harm. Development conditions placed on the development approval for the environmentally relevant activity are in accordance with section 79 of the *Environmental Protection Act 1994* ('the EP Act').

The Environmental Protection Agency concurrence agency conditions for this proposed development that are contained within this response, are required in accordance with section 92 of the *EP Act* and are relevant to the object and policies pertaining to the *EP Act*.

### Additional comments or advice about the application

Nil

### Additional information for applicants

This concurrence response pursuant to section 79 the EP Act applies only to the environmentally relevant activity(ies) component of the development and does not remove the need to obtain any further approval for this development which may be required pursuant to this or other legislation, both State and Commonwealth. Applicants are advised to check with all relevant statutory authorities for such approvals as may be required.

It is a requirement of the *Environmental Protection Act 1994* that if the owner or occupier of this site becomes aware a Notifiable Activity (as defined under schedule 2 of the *Environmental Protection Act 1994*) is being carried out on this land or that the land has been affected by a hazardous contaminant, they must, within 30 days after becoming aware the activity is being carried out, give notice to the Environmental Protection Agency. A list of Notifiable Activities is provided within Schedule 2 of the *Environmental Protection Act 1994*.



Signed

2 July 2003

Date

**D J Brown**  
**Manager (Licensing)**  
Delegate of Administering Authority  
*Environmental Protection Act 1994*



## Conditions of the development approval

As part of the concurrence agency response the following schedules of development conditions are to be attached to the development approval:

The aforementioned description of the environmentally relevant activity (ERA) for which this development approval is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing this development approval. Where there is any conflict between the above description of the ERA for which this development approval is issued and the conditions as specified in this development approval as to the scale, intensity or manner of carrying out of the ERA, then such conditions prevail to the extent of the inconsistency.

This development approval authorises the ERA. It does not authorise environmental harm unless a concurrence agency condition within this development approval explicitly authorises that harm. Where there is no condition or the development approval is silent on a matter, the lack of a condition or silence shall no be construed as authorising harm.

- Schedule A - Activity
- Schedule B - Air
- Schedule C - Water
- Schedule D - Noise
- Schedule E - Waste
- Schedule F - Land
- Schedule G - Community
- Schedule H - Definitions
- Schedule I - Maps / Plans

### Schedule A - Activity

#### Prevent and /or minimise likelihood of environmental harm

- (A1-1) In carrying out the environmentally relevant activities, you must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused. Any environmentally relevant activity, that, if carried out incompetently, or negligently, may cause environmental harm, in a manner that could have been prevented, shall be carried out in a proper manner in accordance with the conditions of this approval.

NOTE: This approval authorises the environmentally relevant activity. It does not authorise environmental harm unless a condition contained within this approval explicitly authorises that harm. Where there is no condition or the approval is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

#### Maintenance of measures, plant and equipment

- (A2-1) The holder must:
- install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and
  - maintain such measures, plant and equipment in a proper and efficient condition; and
  - operate such measures, plant and equipment in a proper and efficient manner.

### Site based management plan

- (A3-1) From commencement of the activity, 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 Environmentally Relevant Activities that are carried out.

The site based management plan must address the following matters:

- Environmental commitments - a commitment by senior management to achieve environmental goals.
- Identification of environmental issues and potential impacts.
- Control measures for routine operations to minimise likelihood of environmental harm.
- Contingency plans and emergency procedures for non-routine situations.
- Organisational structure and responsibility.
- Effective communication.
- Monitoring of the contaminant releases.
- Conducting environmental impact assessments.
- Staff training.
- Record keeping.
- Periodic review of environmental performance and continual improvement.

### Records

- (A5-1) Record, compile and keep all monitoring results required by this document and present this information to the administering authority when requested, in a specified format.
- (A5-2) Records must be kept for five years, and must include the following information:
- date of pickup of waste;
  - description of waste;
  - cross reference to relevant waste transport documentation;
  - quantity of waste;
  - origin of the waste;
  - destination of the waste; and
  - intended fate of the waste, for example, type of waste treatment, reprocessing or disposal.

NOTE: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition.



### **Annual monitoring report (Sewage treatment)**

- (A8-1) An annual monitoring report must be provided to the administering authority upon request. This report shall include but not be limited to:
- a summary of the previous twelve (12) months' monitoring results obtained under any monitoring programs required under this authority and, in graphical form showing relevant limits, a comparison of the previous twelve (12) month's monitoring results to both this authority limits and to relevant prior results;
  - an evaluation/explanation of the data from any monitoring programs; and
  - a summary of any record of quantities of releases required to be kept under this authority; and
  - a summary of the record of equipment failures or events recorded for any site under this authority; and
  - an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs; and
  - the number of domestic tenements newly connected to the sewage treatment works during the previous twelve (12) months; and
  - the progressive total number of connections; and
  - a summary of any trade waste agreements entered into or amended during the year, including the nature of the industry.

END OF CONDITIONS FOR SCHEDULE A

### **Schedule B - Air**

#### **Nuisance**

- (B1-2) 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 odour sensitive place.

END OF CONDITIONS FOR SCHEDULE B

### **Schedule C - Water**

#### **Release to waters**

- (C3-1) Contaminants must not be released from the site to any waters or the bed and banks of any waters.

#### **Stormwater management**

- (C5-1) 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.

#### **Contaminant and sewage pump station**

- (C6-1) 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.



END OF CONDITIONS FOR SCHEDULE C

## Schedule D - Noise and vibration

### Noise nuisance

- (D1-1) Noise from activities must not cause an environmental nuisance at any noise affected premises.
- (D1-2) All noise from activities must not exceed the levels specified in Schedule D - Table 1 at any noise affected premises.

**Schedule D - Table 1 (Noise limits)**

| Noise level<br>dB(A)<br>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' |                    |            |            |                             |            |            |
| L <sub>A10</sub> , adj, 10 mins             | 60                 | 55         | 40         | 60                          | 55         | 40         |
| L <sub>A1</sub> , adj, 10 mins              | 65                 | 60         | 45         | 65                          | 60         | 45         |
| Noise measured at a 'Commercial place'      |                    |            |            |                             |            |            |
| L <sub>A10</sub> , adj, 10 mins             | 65                 | 60         | 45         | 65                          | 60         | 45         |
| L <sub>A1</sub> , adj, 10 mins              | 70                 | 65         | 50         | 70                          | 65         | 50         |

### Noise monitoring

- (D2-1) 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:
- L<sub>A</sub> 10, adj, 10 mins
  - L<sub>A</sub> 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.
- (D2-2) The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

END OF CONDITIONS FOR SCHEDULE D

## Schedule E - Waste

- (E5-1) All regulated waste removed from the site must be removed by a person who holds a current authority/approval to transport such waste under the provisions of the Environmental Protection Act 1994.

## END OF CONDITIONS FOR SCHEDULE E

### Schedule F - Land

#### Land disposal

- (F2-1) The only contaminants permitted to be released to land are treated effluent to the subsurface trench disposal areas shown in Schedule I in compliance with the limits levels stated in Table 1 of the Land Schedule and the conditions of this authority.

**Schedule F - Table 1 (Release limits - 'Land')**

| Quality characteristics         | Release Limit |                 |                 |         |        |
|---------------------------------|---------------|-----------------|-----------------|---------|--------|
|                                 | Minimum       | 50th Percentile | 80th Percentile | Maximum | Median |
| 5-day Biochemical Oxygen Demand |               |                 |                 | 20mg/L  |        |
| Suspended Solids                |               |                 |                 | 30mg/L  |        |
| pH                              | 6.5           |                 |                 | 8.5     |        |
| Dissolved Oxygen                | 2.0mg/L       |                 |                 |         |        |

- (F2-2) The subsurface disposal of effluent must be carried out in a manner such that:
- vegetation is not damaged;
  - soil erosion and soil structure damage is avoided;
  - there is no surface ponding of effluent;
  - percolation of effluent beyond the plant root zone is minimised;
  - the capacity of the land to assimilate nitrogen, phosphorus, salts, organic matter as measured by oxygen demand and water is not exceeded; and
  - the quality of ground water is not adversely affected.
- (F2-3) Notices must be prominently displayed on any effluent subsurface disposal area warning the public that the area is used for effluent disposal and not to use or drink the effluent. These notices must be maintained in a visible and legible condition.
- (F2-5) Monitoring must be undertaken and records kept of a monitoring program of contaminant releases to the subsurface disposal area at the monitoring points, frequency, and for the parameters specified in Schedule F - Table 2.



**Schedule F - Table 2 (Monitoring program)**

| Monitoring point                                                                    | Quality characteristics                     | Units    | Frequency |
|-------------------------------------------------------------------------------------|---------------------------------------------|----------|-----------|
| Outlet of the sewage treatment plant prior to land disposal via subsurface disposal | 5-day Biochemical Oxygen Demand (inhibited) | mg/L     | Quarterly |
| Outlet of the sewage treatment plant prior to land disposal via subsurface disposal | Suspended Solids                            | mg/L     | Quarterly |
| Outlet of the sewage treatment plant prior to land disposal via subsurface disposal | pH                                          | ph scale | Quarterly |
| Outlet of the sewage treatment plant prior to land disposal via subsurface disposal | Dissolved Oxygen                            | mg/L     | Quarterly |

- (F2-6) 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.
- (F2-7) When conditions prevent the subsurface disposal 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 weather 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.
- (F2-8) The quantity of effluent released from the treatment plant to the subsurface disposal trenches during any day must not exceed 14.8 cubic metres.

#### **Preventing contaminant release to land**

- (F3-2) 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.

END OF CONDITIONS FOR SCHEDULE F

#### **Schedule G - Community**

##### **Complaint response**

- (G1-1) All complaints received must be recorded including investigations undertaken, conclusions formed and action taken. This information must be made available to the administering authority on request.
- (G1-2) In consultation with the administering authority, cooperate with and participate in any community environmental liaison committee established in respect of either the site specifically, or the industrial estate where the site is located.

END OF CONDITIONS FOR SCHEDULE G



## Schedule H - Definitions

Words and phrases used throughout this licence or development approval are defined below:

Where a definition for a term used in this approval is sought and the term is not defined within this approval the definitions provided in the *Environmental Protection Act 1994*, its regulations, and Environmental Protection Policies shall be used.

### Word Definitions

**"administering authority"** means the Environmental Protection Agency or its successor.

**"you"** means the holder of this Environmental Authority or owner / occupier of the land which is the subject of this Development Approval.

**"site"** means the place to which this environmental authority relates or the premises to which this development approval relates.

**"authorised place"** means the place authorised under this environmental authority/development approval for the carrying out of the specified environmentally relevant activities.

**"this authority"** means this environmental authority/development approval.

**"authority"** means level 1 licence (without development approval), or level 1 approval (without development approval), or level 2 approval (without development approval) under the *Environmental Protection Act 1994*.

**"approval"** means 'notice of development application decision' or 'notice of concurrence agency response' under the *Integrated Planning Act 1997*

**"dust sensitive place"** means -

- a dwelling, mobile home or caravan park, residential marina or other residential place;
  - a motel, hotel or hostel;
  - a kindergarten, school, university or other educational institution;
  - a medical centre or hospital;
  - a protected area;
  - a park or gardens; or
  - a place used as an office or for business or commercial purposes.
- and includes the curtilage of any such place.

**"odour sensitive place"** has the same meaning as a "dust sensitive place"

**"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.

**"noxious"** means harmful or injurious to health or physical well being.

**"offensive"** means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

**"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.

**" $L_{A, 10, \text{adj}, 10 \text{ mins}}$ "** 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.

**" $L_{A, 1, \text{adj}, 10 \text{ mins}}$ "** 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

**" $L_{A, \text{max adj}, T}$ "** means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

**"noise affected premises"** means a "noise sensitive place" or a "commercial place"

**"noise sensitive place"** means -

- a dwelling, 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; or
- a park or gardens.  
and includes the curtilage of such place.

**"commercial place"** means a place used as an office or for business or commercial purposes.

**"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.

**"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.

**"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.

**"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.

**"80th percentile"** means not more than one (1) of the measured values of the quality characteristic is to exceed the stated release limit for any five (5) consecutive samples for a sampling point at any time during the environmental activity(ies) works





**"dredge spoil"** means material taken from the bed or banks of waters by using dredging equipment or other equipment designed for use in extraction of earthen material.

**"land"** in the "land schedule" of this document means land excluding waters and the atmosphere.

**"mg/L"** means milligrams per litre.

**"NTU"** means nephelometric turbidity units

**"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.

**"licensed vehicle"** means a vehicle authorised to be used under the licence to transport regulated waste.

**"registered vehicle"** means "licensed vehicle"

**"clinical waste"** means waste that has the potential to cause disease including, for example, the following:

- animal waste;
- discarded sharps;
- human tissue waste;
- laboratory waste.

**"infectious waste"** means "clinical waste"

**"vibration sensitive place"** means a noise sensitive place or a commercial place.

**"annual return"** means the return required by the annual notice (under section 316 of the Environment Protection Act, 1994) for the section 86(2) licence that applies to the development approval.

END OF DEFINITIONS FOR SCHEDULE H

[illegible]

**END OF CONCURRENCE AGENCY RESPONSE**