eco access

COPY

Registration certificate

Environmental Protection Act 1994

Certificate of Registration

No: ENRE00800108

This registration certificate is issued by the administering authority and takes effect from: 18-FEB-2011.

The anniversary day for the purposes of the Annual Return remains: 26 June.

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:-
Scout Association of Australia (Qld Branch) Inc.
32 Dixon Street
AUCHENFLOWER QLD 4066

Place:-
Lot 3 Plan RP192010
Locatied at:-
61 Allawah Road,CHUWAR QLD 43066
Registered Activity: -
ERA 63 Sewage treatment Threshold 2(a) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of 21 to 100EP (i) if treated effluent is discharged to an infiltration trench or through an irrigation scheme

e.e. Birt

Cathy Birt
Delegate
Administering authority
Environmental Protection Act 1994

18-FEB-2011

Section 3.5.15 *Integrated Planning Act 1997*

EPA Permit[1] number: IPDE01101408

EPA Permit[1] number:	IPDE01101408
Assessment Manager reference:	as above
Date application received by EPA:	02-JUN-2008
Permit[1] Type:	Development Approval for a MCU involving an ERA
Date of Decision:	18-AUG-2008
Decision:	Granted in full with conditions
Relevant Laws and Policies:	*Environmental Protection Act 1994* and any subordinate legislation

Development Description

Property	Lot/Plan	Aspect of Development
61 Allawah Road, CHUWAR QLD 4306	Lot 3 Plan RP192010	ERA 15(a) Sewage treatment - operating a standard sewage treatment works having a peak design capacity to treat sewage of 21 or more equivalent persons but less than 100 equivalent persons.

Additional comments or advice about the application

Nil.

Additional information for applicants

The standard currency periods stated in section 3.5.21 of the *Integrated Planning Act 1997* apply to each aspect of development in this approval[1]. For information on when this approval[1] takes effect and the relevant currency periods, please see point 3 in the Notice of Decision.

Contaminated Land

It is a requirement of the *Environmental Protection Act 1994* that if an owner or occupier of land becomes aware a Notifiable Activity (as defined by Schedule 2 of the *Environmental Protection Act 1994*) is being carried out on the land or that the land has been affected by a hazardous contaminant, they must, within 22 business days after becoming so aware, give notice to the Environmental Protection Agency.

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and Queensland Parks and Wildlife.

Environmental Protection Agency
www.epa.qld.gov.au ABN 87 221 158 786

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Environmentally Relevant Activities

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

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

In addition to this approval, the person to carry out the ERA must be a registered operator under the *Environmental Protection Act 1994*. For the person to become a registered operator, they must apply for a registration certificate under section 73D of the *Environmental Protection Act 1994*.

Scott Blanchard
Delegate of the Chief Executive
Environmental Protection Agency
18-AUG-2008

CONDITIONS OF APPROVAL

Condition for: ERA 15(a) Sewage treatment – operating a sewage treatment works have a peak design capacity to treat sewage of 21 or more equivalent persons but less than 100 persons

Agency Interest: General

General 1 In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent or minimise the likelihood of environmental harm being caused.

General 2 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.

General 3 The aerator alarm and high water level alarm, both of which must be fitted to the sewage treatment plants, must be able to operate without mains power.

Site-based management plan

General 4 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 the environmentally relevant activity carried under this development approval.

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
(k) periodic review of environmental performance and continual improvement.

General 5 The SBMP must not be implemented or amended in a way that contravenes any condition of this approval.

General 6 A copy of the SBMP must be kept at the approved place to which the plan relates and be produced for examination by an authorised person upon request.

Incident response and notification

General 7 The operator at the site must telephone the EPA as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.

General 8 A written notice detailing the following information must be provided to the EPA within 14 days of any advice provided in accordance with condition General 7:

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.

Records and record keeping

General 9 The operator under this development approval must record, compile and keep all monitoring results required by this approval or in compliance with the SBMP, and present this information to an authorised person when requested.

General 10 All records required to be made under this approval, or in accordance with the SBMP, must be kept for 5 years.

Competent persons only to undertake monitoring, maintenance and calibration of measuring devices

General 11 The following activities, as required under this development approval or the SBMP applying to the site, must be carried out only by a person with appropriate experience or qualifications:

(a) all monitoring assessments and reports;
(b) maintenance of the sewage treatment plants; and
(c) calibration of instruments or equipment used for maintenance, measuring and monitoring the performance of the sewage treatment plants.

Agency Interest: Air

Air 1 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.

Agency Interest: Land

Land 1 The only contaminants permitted to be released to land must be in accordance with the requirements specified in Table A - Contaminant release locations, limits, monitoring parameters and monitoring frequency.

Land 2 The maximum volume of treated wastewater that may be released in any period of 24 hours is 1625 litres.

Land 3 The volume of contaminants released to land must be determined or estimated by a flow meter and records kept of such how those determinations or estimates were calculated.

Land 4 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.

Land 5 Irrigation must be by sub-surface drip irrigation with pressure compensating drippers.

Land 6 A wet weather storage with minimum volume of 4000L must be provided for each sewage treatment plant.

Land 7 Wet weather storages must be constructed, installed and maintained:
(a) so as to prevent any release of contaminants 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 time; and
(c) so as to ensure the stability of the ponds construction.

Land 8 During wet weather, the treated effluent must either:
(a) be directed to a wet weather storage; or
(b) be disposed of by tankering off site or re-directed to a sewer.

Land 9 Treated effluent must be tankered off site or redirected to a sewer if any of the following occur until such time as the non-compliance is rectified:
(a) if the effluent discharge characteristics do not comply with condition Land 1;
(b) the volume of effluent to be discharged in any period of 24 hours exceed the volume stated in condition Land 2;
(c) if irrigation is being conducted in a way that does not comply with condition Land 4; or
(d) if, under condition Land 8, treated effluent is being directed to a wet weather storage—the wet weather storage does not comply with condition Land 7.

Land 10 Where treated effluent is tankered off site or re-directed to a sewer in accordance with conditions Land 8 or Land 9, a record must be kept of any removal off site, including the destination of the waste, the name of the regulated waste transporter, the date on which the transportation occurred and the volume of waste transported.

Land 11 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 A - Contaminant release locations, limits, monitoring parameters and monitoring frequency

Land 12 The sewage treatment plants, wet weather storages and irrigation areas must be installed or constructed at the places identified on the site plan titled *Domestic wastewater disposal system site & soil evaluation*, prepared by Edwards & Associates, and forming part of the application.

Land 13 One or more notices, of a type conforming to AS1319-1994, must be prominently displayed and maintained on areas undergoing effluent irrigation, warning the public that the area is irrigated with effluent and not to use or drink the effluent.

Land 14 Grass clippings and vegetation off-cuts must be removed from the irrigation area.

Land 15 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.

Land 16 Notwithstanding the quality characteristic limits specified in Table A - Contaminant release locations, limits, monitoring parameters and monitoring frequency, releases of effluent must not have any properties nor contain any organisms or other contaminants in concentrations that are capable of causing environmental harm.

Agency Interest: Noise

Noise 1 Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place

or commercial place.

Noise 2 When directed by the administering authority, noise monitoring must be undertaken to investigate any complaint of noise nuisance, and the results of the monitoring provided to the administering authority within 14 days of the aforementioned direction. Monitoring must include:

- background noise levels;
- 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.

Noise 3 The method of measurement and reporting of noise levels must comply with the latest edition of the Environmental Protection Agency's Noise Measurement Manual.

Agency Interest: Social

Social 1 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

Waste 1 All waste load out areas for solid wastes generated from the sewage treatment plants must be bunded to contain any spillage of waste materials.

Waste 2 All regulated waste removal from the site must be removed by a person who is authorised to transport such wastes under the *Environmental Protection Act 1994*.

Agency Interest: Water

Water 1 Contaminants other than settled/treated stormwater runoff waters must not be released from the site to surface waters or the bed or banks of surface waters.

Water 2 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 (including effluent irrigation areas or wet weather storages) or wastes.

Water 3 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.

DEFINITIONS

Words and phrases used throughout this permit[1] are defined below. Where a definition for a term used in this permit[1] is sought and the term is not defined within this permit[1] the definitions provided in the relevant legislation shall be used.

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

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

"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.

"Environmental Protection Agency" means the department or agency (whatever called) administering the *Environmental Protection Act 1994*.

"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.

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

"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 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.

"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.

"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 one (1) of the measured values of the quality characteristic are to exceed the stated release limit for any two (2) consecutive samples for a release/monitoring point at any time during the environmental activity 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 works

END OF CONDITIONS

Table A - Contaminant release locations, limits, monitoring parameters and monitoring frequency

Discharge location	Monitoring point	Quality Characteristics					Monitoring Frequency
			Concentration	Limit type	Maximum	Limit type	
Discharge to absorption bed	Outlet of storage tank	BOD_5	20 mg/L	Long-term 80th percentile	30 mg/L	Maximum	Quarterly
Discharge to absorption bed	Outlet of storage tank	Suspended solids	30 mg/L	Long-term 80th percentile	50 mg/L	Maximum	Quarterly
Discharge to absorption bed	Outlet of storage tank	Total Nitrogen	50 mg/L	50th percentile	65 mg/L	Maximum	Quarterly
Discharge to absorption bed	Outlet of storage tank	Total Phosphorous	15 mg/L	50th percentile	20 mg/L	Maximum	Quarterly
Discharge to absorption bed	Outlet of storage tank	Free Chlorine	0.2 mg/L	50th percentile	0.5 mg/L	Maximum	Quarterly
Discharge to absorption bed	Outlet of storage tank	Faecal Coliforms	100c.f.u./100 ml	Median	1000c.f.u./100ml	Maximum	Quarterly
Discharge to absorption bed	Outlet of storage tank	pH	6.0 – 8.0	Range	8.0	Range	Quartley