Department of Environment and Heritage Protection

Permit[1]

Environmental Protection Act 1994

Environmental authority – EPPR00530113

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

Permit[1] number: EPPR00530113

Environmental authority takes effect on 25 July 2017.

The anniversary date of this environmental authority is the 26-NOV. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder

Name	Principal address
The Australian Section Theosophical Trust	4th Floor, 484 Kent Street, SYDNEY NSW 2000

Environmentally relevant activity and location details

Environmentally relevant activity	Location
63-(1)(a)(i) – Sewage Treatment – 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	2184 Springbrook Road, NUMINBAH VALLEY QLD 4211 – Lot 1 Plan RP868832

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).

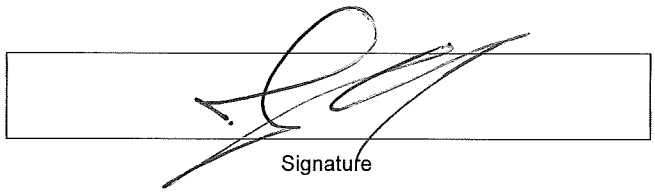
[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

Contaminated land

It is a requirement of the EP Act that an owner or occupier of land give written notice to the chief executive if they become aware of the following:

- a notifiable activity (as defined in Schedule 3) that is being, or has been, carried out on the land (notice must be given within 20 business days)
- an event involving a hazardous contaminant on the land, or a change in the condition of the contaminated land, that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours).

For further information, including the form for giving written notice, refer to the Queensland Government website http://www.qld.gov.au/ (using the search term 'managing contaminated land').



Signature

25/7/2017

Date

Tariq Khan
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: 07 3330 6037
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); and
- offence to place contaminant where environmental harm or nuisance may be caused (section 443).

Conditions of environmental authority

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

Schedule A - Activity	
Condition number	**Condition**
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.
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.
Schedule B - Air	
Condition number	**Condition**
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.
Dust nuisance	
B2-1	The release of dust and/or particulate matter resulting from the activity must not cause an environmental nuisance at any dust sensitive place.

B2-2	Exceedance of any of the following levels when measured at any dust sensitive place is an environmental nuisance for the purposes of condition B2-1.
	- Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; OR
	- A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a dust sensitive place downwind of the site, when monitored in accordance with:
	  - Australian Standard AS 3580.9.6 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method'; or
	  - any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

B2-3	When requested by the Administering Authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: - for a complaint alleging dust nuisance, dust deposition; and - for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24hr averaging time.

Schedule C - Water	
Condition number	**Condition**
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.

Schedule D - Noise	
Condition number	**Condition**
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 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'					
$L_{A10, adj, 10 mins}$	45	40	30	45	40	30
$L_{A1, adj, 10 mins}$	50	45	35	50	45	35
	Noise measured at a 'Commercial place'					
$L_{A10, adj, 10 mins}$	50	45	35	50	45	35
$L_{A1, adj, 10 mins}$	55	50	40	55	50	40

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: • $L_{A\ 10, adj, 10 mins}$ • $L_{A\ 1, adj, 10 mins}$ • 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.

Schedule E - Waste

Condition number	Condition
There are no conditions for this schedule.	

Schedule F - Land

Condition number	Condition
Land disposal	
F2-1	The only contaminants permitted to be released to land are treated sewage effluents to the areas shown in Schedule I - Figure 1 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')

	Release Limit				
Quality characteristics	**Minimum**	**50th Percentile**	**80th Percentile**	**Maximum**	**Median**
BOD5			30 mg/L		
Suspended Solids			30 mg/L		
pH	6.0			9.0	
Total Nitrogen (as N)		15			
Total Phosphorous (as P)		10			
Thermotolerant Coliforms			1,000 cfu/100 mL		200 cfu/100 mL
Volume				5,120 L/day	

F2-2	The irrigation 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 irrigation area warning the public that the area is irrigated with effluent and not to use or drink the effluent. These notices must be maintained in a visible and legible condition.
F2-4	Conduct and keep records of any monitoring programs of contaminant releases from the treatment plant at the monitoring points, frequency, and for the parameters specified in Schedule F - Table 2.

<table>
<tr><td>F2-5</td><td>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 Schedule F - Table 2.

Schedule F - Table 2 (Monitoring program)
<table><tr><th>Monitoring point</th><th>Quality characteristics</th><th>Units</th><th>Frequency</th></tr><tr><td>Inlet pipe of storage tank</td><td>BOD5</td><td>mg/L</td><td>Monthly</td></tr><tr><td>Inlet pipe of storage tank</td><td>Suspended Solids</td><td>mg/L</td><td>Monthly</td></tr><tr><td>Inlet pipe of storage tank</td><td>pH</td><td>pH units</td><td>Monthly</td></tr><tr><td>Inlet pipe of storage tank</td><td>Total Nitrogen (as N)</td><td>mg/L</td><td>Monthly</td></tr><tr><td>Inlet pipe of storage tank</td><td>Total Phosphorus (as P)</td><td>mg/L</td><td>Monthly</td></tr><tr><td>Inlet pipe of storage tank</td><td>Thermotolerant Coliforms</td><td>cfu/100 mL</td><td>Monthly</td></tr></table></td></tr>
<tr><td>F2-6</td><td>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.</td></tr>
<tr><td>F2-8</td><td>When conditions prevent the irrigation of treated effluent to land (such as during rain events), alternative measures must be taken to store/dispose of effluent (such as wet weather storage or tankering of site).</td></tr>
<tr><td colspan="2">Schedule G - Community</td></tr>
<tr><td>Condition number</td><td>Condition</td></tr>
<tr><td colspan="2">Complaint response</td></tr>
<tr><td>G1-1</td><td>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.</td></tr>
<tr><td>G1-2</td><td>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.</td></tr>
</table>

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.

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

"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 adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

"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

"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 PERMIT