Permit

Environmental Protection Act 1994

Environmental authority EPPR03781216

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

Environmental authority number: EPPR03781216

Environmental authority takes effect on day the authority is issued.

The anniversary date of this environmental authority is 2 March. The payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name(s)	Registered address
PHINEX DEVELOPERS PTY. LTD.	Unit 2, 250 Orange Grove Road SALISBURY QLD 4107

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 63 - Sewage Treatment - 1(a-i) - 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	10/SP141687

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).

Queensland Government

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.

	**27 May 2024**
Signature	Date

Casey Sirl
Department of Environment, Science and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Permits and Licensing/Operational Support
Department of Environment, Science and Innovation
GPO Box 2454, Brisbane QLD 4001
Phone: 1300 130 372 (Option 4)
Email: palm@des.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)

Definitions

Key terms and/or phrases used in this document are defined in this section. 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.

Conditions of environmental authority

Environmentally relevant activity	Location
ERA 63 - Sewage Treatment 1(a-i) - 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	1544-1580 IPSWICH BOONAH RD, PEAK CROSSING, SCENIC RIM REGIONAL, 4306 Lot 10/SP141687

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.

Schedule G **Agency interest: General**	
Condition number	**Condition**
G1	**Prevent and/or minimise likelihood of environmental harm** In carrying out an ERA to which this environmental authority relates, all reasonable and practicable measures must be taken to prevent and/or to minimise the likelihood of environmental harm being caused.
G2	**Alterations** No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided for by this environmental authority.
G3	**Display of Environmental Authority** A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
G4	**Site Based Management Plan** Before commencement of an ERA to which this environmental authority relates, an updated site based management plan (SBMP) must be implemented and submitted to the administering authority. 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' of overall environmental performance of all ERAs that are carried out on the premises.
G5	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; k) Periodic review of environmental performance and continual improvement;

	l) The waste water treatment plant commissioned; m) The supplier of the waste water treatment plant; n) The capacity (as 'peak design capacity') and effectiveness Df the treatment and disposal system, including performance data; o) A description of the method of disposal of grits, scums and sludges; p) A description of the effluent disinfection method, the contact time, concentration and form of disinfection; q) A description of the alarm system; r) A description of the waste water collection and distribution system; s) A description of the emergency backup power available to the pumps and waste water treatment system; and t) Information on the chemicals and polymers to be used in the treatment process.
G6	The site based management plan must not be implemented or amended in a way that contravenes any condition of this environmental authority.
G7	An up-to-date copy of the SBMP must be kept at the approved place to which that plan relates and be available to the administering authority on request.
G8	**Maintenance of Measures, Plant and Equipment** The registered operator must: a) Install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; 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.
G9	**Trained/Experienced Operators** The daily operation of the wastewater treatment system must be carried out by a person(s) with appropriate experience or qualifications to ensure the effective operation of the treatment system and control equipment.
G10	All monitoring assessments and reports required by this development approval must be conducted by persons with appropriate experience or qualifications.
G11	**Equipment Calibration** All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this development approval must be calibrated, recorded and appropriately operated and maintained.
G12	**Records** The registered operator must record, compile and keep all monitoring results required by this environmental authority and present this information to the administering authority when requested.
G13	All records required by this approval must be kept for 5 years.
G14	**Annual Monitoring Report** An annual monitoring report must be provided to the administering authority with the annual return upon request. This report shall include but not be limited to: a) 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) months monitoring results to both this authority limits and to relevant prior results; b) An evaluation/explanation of the data from any monitoring programs; and c) A summary of any record of quantities of releases required to be kept under this authority; and d) A summary of the record of equipment failures or events recorded for any site under this authority; and e) An outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs.

G15	The annual monitoring report must address all matters set out in this environmental authority relevant to sampling and monitoring.
G16	**Notification of Emergencies and Incidents** As soon as practicable after becoming aware of any emergency or incident that results in the release of contaminants not in accordance with the conditions of this environmental authority, the registered operator must notify the administering authority of the incident by telephone on the Pollution Hotline 1300 130 372.
G17	The notification of emergencies or incidents as required by condition G16 must include but not be limited to the following: a) the registered operator; b) the location of the emergency or incident; c) the number of the environmental authority; d) the name and telephone number of the designated contact person; e) the time of the incident; f) the time the registered operator became aware of the release; g) the suspected cause of the incident; h) the environmental harm caused, threatened or suspected to be caused by the incident; and i) actions taken to prevent any further incidents and mitigate any environmental harm caused by the incident.
G18	Not more than 14 days following the initial notification of an emergency or incident, the registered operator must provide written advice of the information supplied in accordance with condition G17 in addition to: a) Proposed actions to prevent a recurrence of the emergency or incident; and b) Outcomes of actions taken at the time to prevent or minimise environmental harm.
Schedule A **Agency interest: Air**	
Condition number	**Condition**
A1	**Nuisance** The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause, or be likely to cause, a nuisance at or beyond the boundary of the approved place.
A2	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.
A3	Monitoring required by condition A2 must be carried out at a place(s) relevant to the potentially affected sensitive place and simultaneously at upwind control sites and must include: a) for a complaint alleging dust nuisance, dust deposition; and b) 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 L **Agency interest: Land**	
Condition number	**Condition**
L1	**Land Disposal**

	The only contaminants permitted to be released to land are treated effluent to the area shown in Figure 2, Appendix A of the SBMP in compliance with the limits stated in 'Schedule **L -** Table 1 – Contaminant release limits to land' and the conditions of this environmental authority.
L2	Contaminants are only permitted to be released to land by subsurface irrigation.
L3	Prior to irrigation of treated effluent or reuse on the site, a "commissioning" phase must be undertaken. This will consist of the taking of at least 1 sample per business day for four (4) consecutive weeks. Subsurface irrigation is not to occur until five (5) consecutive samples (taken at not less than 30 minutes apart) are taken that meet both the median and maximum criteria in Schedule L**,** Table 1 Contaminant release limits to land. Following this 'commissioning' phase, testing for E.coli is required on a weekly basis as a single sample.
L4	For the initial "commissioning" phase when the system is first installed, the sampling regime will include 5 samples on day 1 followed by 1 sample per day thereafter for the duration of the "commissioning" phase
L5	During any sampling for E.coli, should a single sample return a result greater than the maximum value in Schedule L - Table 1 Contaminants release limits to' land, a follow up sample must be taken immediately. Should this follow up sample return a value greater than the median criteria value in Schedule L - Table 1 Contaminants release limits to land, the 'commissioning' phase referred to in condition L3 will begin again and irrigation will not commence until five (5) consecutive samples meet the criteria from Schedule L - Table 1 Contaminants release limits to land.
L6	**Monitoring and Effluent Quality** Monitoring must be undertaken and **records** kept **of a** monitoring program for the parameters specified in Schedule L, Table 1 — Contaminant release limits to land.
L7	When continuous turbidity (prior to disinfection) monitoring detects levels in turbidity greater than two (2) nephelometric turbidity units (NTU), a visual and audible alarm must be activated.
L8	When continuous turbidity (prior to disinfection) monitoring detects levels in turbidity greater than five (5) NTU, an automatic shut-off of treated effluent supply from the treatment plant to the irrigation area or treated effluent storage tanks must occur.
L9	Monitoring must be undertaken at the frequency specified in Schedule L Table 1 — Contaminant release limits to land.
L10	All sampling and the determinations of the quality of effluent releases must be: a) Made in accordance with methods prescribed in the latest edition of the administering authority's *Monitoring and Sampling Manual* and b) Carried out on samples that are representative of the discharge, except for turbidity which is to be monitored continuously prior to disinfection.
L11	Ail analyses and tests of effluent required to be conducted under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities' (NATA) certification for such analyses and tests, except as otherwise authorised by the administering authority.

Schedule L – Table 1 — Contaminant release limits to land

Release Limits*							
Quality characteristics	**Units**	**Minimum**	**Median****	**50th percentile**	**95th percentile**	**Maximum**	**Monitoring frequency**
Turbidity'	NTU				2.0	5.0	Continuous
5-day Biological Oxygen Demand (inhibited)	mg/L		< 20				Monthly
pH	Scale	6.0				8.5	Weekly
Free Chlorine	mg/L						Continuous
Total Chlorine	mg/L						Monthly
Total Nitrogen	mg/L as Nitrogen					<60	Monthly
Total Phosphorus	mg/L as Phosphorus					<22.5	Monthly

	Total Suspended Solids	mg/L		<30			<45	Monthly
	Electrical Conductivity	µS/cm		<1600				Monthly
	*E. coli**	Colony forming units per 100mL		<100			<150	Weekly
	DO	mg/L		>2.0				Weekly
	Flow	kilolitres						Daily

* All parameters to be sampled ex the disinfection unit
** Median value means (5) consecutive samples taken over 24 hours at no more than 30 minute intervals
[1] indicates prior to disinfection
< indicates less than
> indicates greater than

L12	**Sampling and *In Situ* Monitoring Point Details** Determinations of the quality of contaminants released to check conformity with the release quality characteristics specified in Schedule **L —** Table 1 of this environmental authority must be undertaken at the sampling and *in-situ* measurement points described as: a) the outlet of the treated effluent storage tank for all parameters except for turbidity and *E. coil;* and b) for *E. coil,* at the furthest point practical after the final disinfection point within the treated effluent distribution system; and c) For continuous turbidity monitoring, treated wastewater stream prior to disinfection.
L13	**Quantity of Contaminants Released from the Sewage Treatment Plant** 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.
L14	The hydraulic flow rate of contaminants released to land must be recorded daily.
L15	**Treated Effluent Irrigation** A minimum area of 1.5 hectares of land, excluding any necessary buffer zones, must be utilised for the irrigation of treated effluent.
L16	Soil moisture metres must be used to detect the soil water deficit trigger for treated effluent irrigation within the contaminant release areas.
L17	All grass/vegetation clippings must be removed from the contaminant release area upon harvesting.
L18	Sludge produced by sewage treatment must be disposed of by a registered regulated waste disposal operator.
L19	The irrigation of treated 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 on-site; d) infiltration of treated effluent beyond the plant root zone is minimised; e) the capacity of the land to assimilate nitrogen, phosphorus, salts, organic matter as measured by biochemical oxygen demand and water is not exceeded; f) the quality of groundwater is not adversely affected; g) there is no contaminated runoff outside the designated irrigation area; and h) the risk of exposure of public to the treated effluent is minimised.
L20	Notices must be prominently displayed on areas undergoing effluent irrigation, warning the public that the area is irrigated with treated effluent and not to use or drink the treated effluent. These notices must be maintained in a visible and legible condition.
L21	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.
L22	When conditions prevent the irrigation of treated effluent to land (such as during or following rainfall),

	the contaminants must be directed to a treated effluent wet weather storage or alternative measures must be taken to store/lawfully dispose of the treated effluent (such as tankering 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.
L23	The maximum volume of irrigation must not exceed 3.9ML per year.
L24	The capacity provided for storage of treated effluent to cover periods when irrigation becomes impracticable must be not less than 90 kilolitres
L25	**Preventing Contaminant Release to Land** 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 storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.
L26	**Bunding** All chemical and waste tank storages must be bunded such that the capacity of the bund is sufficient to contain at least 100% of the largest storage tank plus 10% of the second largest storage tank within the bund.
L27	All chemical and waste drum storages must be bunded so that the capacity of the bund is sufficient to contain at least 25% of the maximum design storage volume within the bund.
L28	All bunding must be roofed (where practical) and constructed of materials which are impervious to the materials stored therein.
L29	Where it is impracticable to completely roof a bunded area, ensure that any stormwater captured within the bund is free from contaminants or wastes prior to release.
L30	**Effluent Irrigation Management Plan** Before commencement of an ERA to which this environmental authority relates, an Irrigation Management Plan (IMP) must be developed and implemented. The IMP must detail how the registered operator will effectively and appropriately manage the effluent irrigation process so as to ensure that the release of treated effluent to land is carried out in an environmentally sustainable manner and include (but not be limited to) condition L19.
L31	A copy of the IMP must be kept at the premises to which this environmental authority relates and be available to an officer authorised under the *Environmental Protection Act 1994* upon request.
L32	**Contaminant Release Area Monitoring Program** Before commencement of an ERA to which this environmental authority relates, the registered operator must develop and implement a Contaminant Release Area Monitoring Program to effectively monitor the condition of the land to which contaminants are released.
L33	Monitoring required by condition L32 must include the taking of topsoil and sub-soil samples from representative sites for the quality characteristics and at the frequency specified in Schedule L – Table 2 Soil impact monitoring.
L34	The Contaminant Release Area Monitoring Program must include but not be limited to the following: a) the locations of monitoring stations including soil moisture and soil types, and depths; and b) the proposed vegetation characteristics to be monitored; and c) harvesting practice to ensure the proper maintenance of the irrigation area.
L35	The registered operator of this environmental authority must prepare a report on the Contaminant Release Area Monitoring Program within two months of each sampling event including an assessment of the impact and sustainability of the application of treated effluent to the contaminant release area. This report must include an interpretation of the results and conclusions by an expert in the field of treated effluent land disposal.
L36	A copy of the Contaminant Release Area Monitoring Program must be kept at the premises to which this environmental authority relates and, along with a copy of the report mentioned in condition L35, be available to an officer authorised under the *Environmental Protection Act 1994* upon request. **Schedule L – Table 2 Soil Impact Monitoring**

Quality Characteristics	Units	Monitoring Frequency
pH	pH scale	On commencement and biennially thereafter

	Specific Conductance or electrical conductivity (1:5)	µS/cm	On commencement and biennially thereafter
	Calcium	mg/kg	On commencement and biennially thereafter
	Magnesium	mg/kg	On commencement and biennially thereafter
	Potassium	mg/kg	On commencement and biennially thereafter
	Cation Exchange capacity	meq/100g	On commencement and biennially thereafter
	Exchangeable calcium	meq/100g	On commencement and biennially thereafter
	Exchangeable magnesium	meq/100g	On commencement and biennially thereafter
	Exchangeable sodium	meq/100g	On commencement and biennially thereafter
	Exchangeable potassium	meq/100g	On commencement and biennially thereafter
	Exchangeable aluminium	meq/100g	On commencement and biennially thereafter
	Sodium Adsorption Ratio		On commencement and biennially thereafter
	Total Nitrogen as N	mg/kg	On commencement and biennially thereafter
	Extractable Phosphorus	mg/kg	On commencement and biennially thereafter
	Boron	mg/kg	On commencement and biennially thereafter

Schedule N

Agency interest: Noise

Condition number	Condition
N1	Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
N2	All noise from activities must not exceed the levels specified in Schedule N — Table 3 at any noise affected premises. **Schedule N – Table 3 Noise Limits** **Time Period** | **Noise level at a 'noise sensitive place' measured as the Adjusted Maximum Sound Pressure Level $L_{A\ 10,\ adj\ 10\ mins}$** 7am - 6pm | Background noise level plus 5 dB(A) 6pm – 10pm | Background noise level plus 5 dB(A) 10pm – 7am | Background noise level plus 3 dB(A) **Time Period** | **Noise level at a 'Commercial place' measured as the Adjusted Maximum Sound Pressure Level $L_{A\ 10,\ adj\ 10\ mins}$** 7am - 6pm | Background noise level plus 10 dB(A) 6pm – 10pm | Background noise level plus 10 dB(A) 10pm – 7am | Background noise level plus 8 dB(A)
N3	Noise Monitoring 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: a) background noise level; b) LA, max adj, T c) LA 10, adj, 10 mins d) LA 1, adj, 10 mins e) the level and frequency of occurrence of impulsive or tonal noise; f) atmospheric conditions including wind speed and direction; g) effects due to extraneous factors such as traffic noise; and h) location, date and time of recording.
N4	The method of measurement and reporting of noise levels must comply with the latest edition of the administering agency's *Noise Measurement Manual.*

Schedule S **Agency interest: Social**	
Condition number	**Condition**
S1	**Complaint Response** 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.
Schedule W **Agency interest: Water**	
Condition number	**Condition**
W1	**Release to Waters** Contaminants must not be released from the site to any waters or the bed and banks of any waters.
W2	**Stormwater Management** 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.
W3	Suitable banks or diversion drains must be installed and maintained to exclude stormwater runoff from entering any structures used for the storage or treatment of contaminants or wastes and disposal areas.
W4	**Contaminant and sewage pump station** 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.
W5	**Contaminant Releases Caused by Rainfall** Erosion and sediment controls that minimise off-site removal of sediments and divert other stormwater from entering the site, must be provided and maintained during site clearing and construction works. Such measures must include, but not be limited to, diversion drainage works, siltation fences and temporary sediment traps.
Schedule WA **Agency interest: Waste**	
Condition number	**Condition**
WA1	**Waste handling** The registered operator must not: a) allow waste to burn or be burnt at or on the approved place; nor b) remove waste from the approved place and burn such waste elsewhere.
WA2	All regulated waste removed from the site must be removed by a person who holds a current approval to transport such waste under the provisions of the *Environmental Protection Act 1994.*
WA3	Where regulated waste is removed from the waste water treatment plant site, the registered operator must monitor and keep records of the following: a) date of waste pickup; b) waste description; c) waste quantity; d) waste origin; e) name of the waste remover; and f) the destination of the waste. Note: Regulated waste tracking documents must meet the requirements of the *Environmental Protection Act 1994* and subordinate legislation.

WA4	**Notification of Improper Disposal of Regulated Waste** If a person removes regulated waste associated with activities at the licensed place and disposes of such waste in a manner which is not authorised or is improper or unlawful then, within 24 hours of becoming aware of the improper or unlawful disposal, notify the administering authority if all relevant facts, matters and circumstances known concerning the disposal.

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.

Administering authority
Means the Department of Environment, Science and Innovation, its successors, or predecessors.

Annual return
Means the return required by the annual notice (under section 316IA of the *Environmental Protection Act 1994)* that applies to this approval)

Approval
Means environmental authority issued under section 195 of the *Environmental Protection Act 1994*, that approves an environmentally relevant activity.

Approved plans
Means the plans and documents listed in the approved plans section in the notice attached to this environmental authority

Authorised place
Means the place authorised under this environmental authority 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

Department of Environment, Science and Innovation
means the chief executive administering the *Environmental Protection Act 1994.*

Effluent Irrigation Management Plan
For the relevant area, means a plan that achieves the following outcomes for the area—

a) the efficient application of water or waste using best practice methods;
b) control of sodicity in the soil;
c) minimal degradation of soil structure;

d) control of the build-up, from water, waste or other sources, of nutrients and contaminants in the soil and subsoil;
e) prevention of subterranean flows of contaminants to waters;
f) prevention of impact of infiltration on groundwater resources;
g) prevention of run-off by controlling the rate of application of water or waste, and by using structures, including, for example, tailwater dams;
h) prevention of surface ponding;
i) prevention of spraydrift or overspray from the relevant area;
j) prevention of damage to native vegetation and introduced vegetation used for transpiration of the effluent;
k) reporting the results of monitoring, and an assessment of the impact on the groundwater in the relevant area of the release of the water or waste

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.

LA 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.
LA 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.
LA, 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.

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

NTU
Means nephelometric turbidity units

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 2004* 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

Protected area
Means -
- a protected area under the *Nature Conservation Act 1992*; or
- a marine park under the *Marine Parks Act 2004*; or
- a World Heritage Area

Regulated waste
Means waste that -
- is commercial or industrial waste, whether or not it has been immobilised or treated; and
- is of a type, or contains a constituent of a type, mentioned in Schedule 7 of the Environmental Protection Regulation 2019

Regulated waste includes –
- for an element - any chemical compound containing the element; and
- anything that contains residues of the waste.

Site
Means the place to which this approval relates or the premises to which this approval relates.

Total nitrogen
Means the sum of Organic Nitrogen, Ammonia, Nitrate plus Nitrate as mg/L of Nitrogen

Total phosphorus
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

Watercourse
Means a river, creek or stream in which water flows permanently or intermittently-
- in a natural channel, whether artificially improved or not; or
- in an artificial channel that has changed the course of the watercourse

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

Works or operation
Means the activity approved under this approval.

You
means the registered operator and holder of this environmental authority or owner / occupier of the land which is the subject of this environmental authority.

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

END OF PERMIT