

Permit¹

Environmental Protection Act 1994

Environmental authority

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

Permit¹ number: EPPR00496713

The anniversary date of this environmental authority remains 04-MARCH. An annual return and the payment of the annual fee will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Stars and Stripes Pty Ltd	6 Kirkwood Circuit CASTLE HILL NSW 2154

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63-(1b)(i) Sewage treatment >100 to 1500EP - IT or IR	15 Pine Valley Drive JOYNER QLD 4501 - Lot 2 Plan SP215462

Additional information for applicants

Environmentally relevant activities

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

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

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

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

Contaminated land

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



Signature

14/10/2016

Date

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

Enquiries:
Christine Hall
Permit and Licence Management
Department of Environment and Heritage
Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 1300 130 372
Fax: (07) 3330 5875
Email: palm@ehp.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Conditions of environmental authority

The conditions of this environmental authority are the conditions of the attached Development Approval reference IPCE00514506C11, as they relate to the licensed activities, where any references to the holder of the development approval are taken to refer to the holder of this environmental authority.

Attachments

- Development Approval permit

Notice

Environmental Protection Act 1994

Amendment of an environmental authority by the administering authority

This notice is issued by the administering authority¹, pursuant to section 211 of the Environmental Protection Act 1994 to advise that an environmental authority is being amended.

To: Stars and Stripes Pty Ltd
C/- Vincents Chartered Accountants
Level 34, 32 Turbot Street
BRISBANE QLD 4001

Our reference: 304072

Amendment of an environmental authority to correct a clerical or formal error

1. Environmental authority details

Environmental authority number EPPR00496713 dated 14-SEP-2016.

Land description: 15 Pine Valley Drive JOYNER QLD 4501 Lot 2 Plan SP215462.

2. Amendment

The administering authority has become aware that there is a clerical error on the environmental authority that requires correction. This correction is minor in nature and will not adversely impact your interests or anyone else. As a result, the following amendment has been made to your environmental authority:

Location details have been amended to reflect 15 Pine Valley Drive, JOYNER, QLD, 4501. Lot 2 Plan SP215462.

The amended environmental authority is enclosed with this notice.



Signature

14/10/2016

Date

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

Enquiries:

Christine Hall
Permit and Licence Management
Department of Environment and Heritage
Protection
GPO Box 2454
BRISBANE QLD 4001
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¹ The Department of Environment and Heritage Protection is the administering authority under the *Environmental Protection Act 1994*.

Sections 3.3.16 and 3.3.18 of the *Integrated Planning Act 1997*

EPA Permit¹ number: IPCE00514506C11

EPA Permit¹ number:	IPCE00514506C11
Assessment Manager reference:	2006/10972/MCU:ic
Date application received by EPA:	27-NOV-2006
Permit¹ Type:	Concurrence Response for a MCU involving an ERA
Date of Decision:	15-FEB-2008
Decision:	Approved with conditions
Relevant Laws and Policies:	<i>Environmental Protection Act 1994</i> and any subordinate legislation
Jurisdiction:	Item 1 in Table 2 of Schedule 2 of the <i>Integrated Planning Regulation 1998</i>

Development Description

Property	Lot/Plan	Aspect of Development
50 Pine Valley Drive LAWNTON	Lot 119 Plan SP120632	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.

Reasons for inclusion of development conditions

In accordance with Section 3.3.18(8) of the *Integrated Planning Act 1997* and Section 27B of the *Interpretation Act 1954*, the reasons for the inclusion of development conditions are:

- 1) The Environmental Protection Agency is a concurrence agency under the *Integrated Planning Regulation 1998* for the purposes of the *Environmental Protection Act 1994*.
- 2) Any development conditions placed on this permit¹ for an environmentally relevant activity are in accordance with Section 73B of the *Environmental Protection Act 1994*.

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

Additional comments or advice about the application

The EPA advises that this approval relates to the management of potential environmental impacts only, with respect to the supply and use of recycled water. This approval is not intended to regulate the public health impacts associated with the supply and use of recycled water.

It is recommended for public health requirements associated with the supply and use of recycled water i.e. toilet flushing and laundry purposes, is in accordance with the Environmental Protection Agency's Queensland Water Recycling Guideline December 2005 or latest edition and managed in accordance with advice from Queensland Health and the Queensland Department of Natural Resources and Water.

This approval authorises a sewage treatment plant with a peak design capacity of 32 400 litres or 216 equivalent persons (EP) and is based on a wastewater generation rate of 150 litres/EP/day.

Additional information for applicants

Contaminated Land

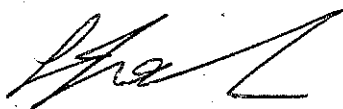
It is a requirement of the *Environmental Protection Act 1994* that if an owner or occupier of land becomes aware a Notifiable Activity (as defined by Schedule 2 of the *Environmental Protection Act 1994*) is being carried out on the land or that the land has been affected by a hazardous contaminant,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

Environmentally Relevant Activities

The aforementioned description of any environmentally relevant activity (ERA) for which this permit is issued is simply a restatement of the ERA as prescribed in the legislation at the time of issuing this permit. Where there is any conflict between the abovementioned description of the ERA for which this permit 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 permit authorises the ERA. It does not authorise environmental harm unless a condition within this permit explicitly authorises that harm. Where there is no such condition, or the permit is silent on a matter, the lack of a condition or silence shall not be construed as authorising harm.

In addition to this permit, 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 73F of the *Environmental Protection Act 1994*.



Delegate
Environmental Protection Agency
15-FEB-2008

CONDITIONS OF APPROVAL

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.

Agency Interest: General

Prevent and/or minimise likelihood of environmental harm

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

Location of structures

General 2: Structures used for the storage or treatment of contaminants or wastes including ponds, any associated pumps and control equipment, must not be located in any area below the one in 100 year flood level.

Maintenance Of Measures, Plant and Equipment

General 3: The operator of the ERA to which this approval relates must:

- (a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval;
- (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.

Alterations

General 4: 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 approval.

Site Based Management Plan

General 5: 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 ERA that is carried out.

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 the contaminant releases.
- (h) Conducting environmental impact assessments.
- (i) Staff training.
- (j) Record keeping.
- (k) Periodic review of environmental performance and continual improvement.

General 6: The SBMP must not be implemented or amended in a way that contravenes any condition of this approval.

Annual Monitoring Report

General 7: An annual monitoring report must be prepared each year and presented to the administering authority when requested. This report shall include but not limited to:

- (a) a summary of the previous twelve (12) months monitoring results obtained under any monitoring programs required under this approval and, in graphical form showing relevant limits, a comparison of the previous twelve (12) months monitoring results to both this approval limits and to relevant prior results;
- (b) an evaluation/explanation of the data from any monitoring programs;
- (c) a summary of any record of quantities of releases required to be kept under this approval;
- (d) a summary of the record of equipment failures or events recorded for any site under this approval; and
- (e) an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs.

General 8: The Contingency plans and emergency procedures required to be included in SBMP condition General 5 must address at least the following matters:

- (i) the location of each pump station(s) and overflow;
- (ii) procedures to be implemented to reduce the likelihood of any pump failure and likelihood of any release of contaminants;
- (iii) response procedures to prevent any further release, or if such is not practical minimise the extent and duration of any release to the greatest practicable extent;
- (iv) the practices and procedures to be employed to restore the environment, or if such is not practicable, mitigate any environmental impacts of the release (including in both dry and wet conditions);
- (v) a description of the resources to be used in response to a release;
- (vi) the training of staff that will be called upon to respond to a release;
- (vii) procedures to investigate the cause of any release, and where necessary, implement remedial actions to reduce the likelihood of recurrence of a similar event;
- (viii) the provision and availability of documented procedures to staff attending any release to enable them to effectively respond; and
- (ix) timely and accurate reporting of the circumstances and nature of release events to the administering authority.

General 9: An up to date copy of the Contingency plans and emergency procedures must be kept at the approved place to which that plan relates and be available for examination by an authorised person on request.

Trained / Experienced Operator(s)

General 10: The daily operation of the wastewater treatment system and pollution control equipment must be carried out by a person(s) with appropriate experience and/or qualifications to ensure the effective operation of that treatment system and control equipment.

Equipment Calibration

General 11: All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this approval must be calibrated, recorded and appropriately operated and maintained.

Records

General 12: Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.

General 13: All records required by this approval must be kept for 5 years.

Notification

General 14: Telephone the EPA's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.

General 15: Written notice detailing the following information must be provided to the EPA within fourteen (14) days of any advice provided in accordance with condition General 14:

- the location of the event;
- the time of the event;
- the time the operator of the ERA became aware of the event;
- the suspected cause of the event;
- a description of the resulting effects of environmental nuisance caused by the event and/or environmental nuisance caused by the event; and
- proposed actions to prevent a recurrence of the event.

Agency Interest: Air

Nuisance

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: **Noise**

Nuisance

Noise 1: Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.

Agency Interest: **Social**

Complaint Response

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: Waste generated in the carrying out of the activity must be stored, handled and transferred in a proper and efficient manner.

Waste 2: The operator of the ERA to which this approval relates must not:

- (i) allow waste to burn or be burnt at or on the approved place; nor
- (ii) remove waste from the approved place and burn such waste elsewhere.

Waste handling

Waste 3: All regulated waste removal 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*.

Off site movement of waste

Waste 4: Where regulated waste is removed from site (other than by a release as permitted under another condition of this development approval), the registered operator must monitor and keep records of the following:

- (a) the date, quantity and type of waste removed;
- (b) name of the waste transporter and/or disposal operator that removed the waste; and
- (c) the intended treatment/disposal destination of the waste.

Agency Interest: Land

Land Disposal

Land 1: The only contaminants permitted to be released to land are treated sewage effluent to areas shown in Attachment 1 – One Mile Country Club Effluent Irrigation Areas Layout Plan, of this development approval in compliance with the limits stated in Table 1 – Contaminant release limits to land.

Table 1 - Contaminant release limits to land.

Quality Characteristics	Units	Sample Point	Release limits					Monitoring frequency
			Minimum	Median*	50th Percentile	95th Percentile	Maximum	
Turbidity **	ntu	outlet of storage tank prior to UV disinfection	-	-	-	2	5	Continuous
5-day Biological Oxygen Demand (inhibited)	mg/L	outlet of UV disinfection tank	-	-	-	-	20	Monthly
pH	Scale	outlet of UV disinfection tank	6	-	-	-	9.2	Weekly
Total Nitrogen	mg/L	outlet of UV disinfection tank	-	-	10	-	20	Monthly
Total Phosphorus	mg/L	outlet of UV disinfection tank	-	-	5	-	10	Monthly
Free Chlorine Residual	mg/L	outlet of UV disinfection tank	-	-	-	-	0.5	Continuous
Electrical Conductivity***	µS / cm	outlet of UV disinfection tank	-	-	-	-	-	Monthly
E. coli	Colony forming units per 100mL	outlet of UV disinfection tank	-	10 organisms per 100mL	-	-	-	Weekly

* Median value means of five consecutive samples taken over 24 hours at no less than 30 minute intervals.

** Turbidity monitoring must be taken every 5 minutes.

*** This parameter is required to be monitored only.

Land 2: Notwithstanding the quality characteristics limits specified in Table 1 – Contaminant release limits to land, releases of treated sewage effluent must not have any properties nor contain any organisms or other contaminants in concentrations that are capable of causing environmental harm.

Land 3: Monitoring must be undertaken and records kept of a monitoring program of contaminant releases to the irrigation areas at the frequency, and for the parameters specified in Table 1 – Contaminant release limits to land. All determinations of the quality of contaminants released must be:

- (a) made in accordance with methods prescribed in the latest edition of the Environmental Protection Agency's Water Quality Sampling Manual; and
- (b) carried out on samples that are representative of the discharge.

Land 4: The daily volume of influent flow to the sewage treatment plant must be determined or estimated by an appropriate method, for example a flow meter, and records kept of such determinations and estimates.

Effluent Irrigation

Land 5: 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.

Land 6: A minimum of 8.5 hectares of land, excluding any necessary buffers, must be provided for the irrigation of treated effluent to land.

Land 7: Notices must be prominently displayed on areas undergoing treated sewage effluent irrigation, warning the public that the area is irrigated with recycled water and not to use or drink the recycled water.

Land 8: Notices as referred to in condition Land 7 must be maintained in a visible and legible condition and be in compliance with AS1319 – Safety Signs for the occupational environment.

Land 9: Pipelines and fittings associated with the effluent irrigation system must be clearly identified.

Land 10: Lockable valves or removable handles must be fitted to all release pipes situated in public access areas.

Land 11: All grass/vegetation clippings must be removed from the contaminant release area upon harvesting.

Land 12: 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 and/or runoff 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 biochemical oxygen demand is not exceeded; and
- (f) the quality of groundwater is not adversely affected.

Land 13: Spray from any release of contaminants to land must not drift beyond the boundaries of the approved place.

Land 14: Rain sensors must be used to ensure irrigation of effluent does not occur during rain events.

Land 15: Soil moisture meters must be used to monitor moisture levels in the soil.

Wet Weather Storage

Land 16: When conditions prevent the irrigation of treated sewage effluent to land (such as during or following rain events), the contaminants must be directed to a wet weather storage.

Land 17: A minimum wet weather storage capacity of 15 mega litres must be provided.

Land 18: Excess effluent beyond the wet weather storage capacity must be tankered off site by a regulated waste transport company.

Effluent Irrigation Management Plan

Land 19: Within three (3) months of the date of issue of this development approval, the operator of the ERA must develop and implement an Irrigation Management Plan (IMP) which details how the effluent irrigation process will be effectively and appropriately managed so as to ensure that the release of effluent to land is carried out in an environmentally sustainable manner.

Land 20: The IMP should detail how irrigation will be managed and monitored so that the following occur:

- (a) vegetation is not damaged;
- (b) soil erosion and/or soil structure damage are avoided;
- (c) there is no surface ponding and/or run off of effluent;
- (d) effluent is evenly distributed on the irrigation area;
- (e) infiltration of effluent beyond the plant root zone is minimised;
- (f) the capacity of land to assimilate nitrogen, phosphorous, salts and organic matter is not exceeded;
- (g) the quality of groundwater is not adversely affected;
- (h) how irrigation using effluent to land will be carried out if soil moisture conditions are such that surface runoff, ponding or pooling beyond the property boundary is likely to occur and how this will be managed (e.g. soil moisture meters);
- (i) how irrigation of land will not result in adverse public health issues (i.e. plumbing controls signage);
- (j) procedures for educating and training staff about public health issues associated with using recycled water onsite;
- (k) site layout that highlights the soil sampling points; and

- (l) provisions for monitoring the parameters as prescribed in Table 2 – Soil impact monitoring.

Land 21: A copy of the IMP must be kept at the premises to which this development approval relates and be available to an officer authorised under the *Environmental Protection Act 1994* upon request.

Soil Impact Monitoring Program

Land 22: The operator of the ERA must monitor and keep records of the soil characteristics which include top-soil and sub-soil samples taken from representative locations from all irrigation areas and at the frequency specified in Table 2 – Soil impact monitoring.

Table 2 – Soil impact monitoring.

QUALITY CHARACTERISTICS	UNITS	MONITORING FREQUENCY
pH (1:5)	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
Exchangeable sodium percentage	%	On commencement and biennially thereafter
Total Nitrogen as N	mg/kg	On commencement and biennially thereafter
Phosphorous (Colwell)	mg/kg	On commencement and biennially thereafter
Boron	mg/kg	On commencement and biennially thereafter
Chloride	mg/kg	On commencement and biennially thereafter

Land 23: The operator of the ERA to which this approval relates must submit to the Administering authority with the annual monitoring report when requested, a report on the Soil Impact Monitoring Program that will include an assessment of the impact of the release of effluent to the irrigation areas, and whether the release is being carried out in an environmentally sustainable manner. This report shall include an interpretation of the results and conclusions by an expert in the field of effluent land disposal, including any recommendations to achieve sustainability should monitoring indicate non-sustainability.

Provision of Treated Effluent to Other Persons

Land 24: If the operator of the ERA gives or transfers ownership of the treated sewage effluents to another person(s) the operator must:

(i) prior to giving such effluent or transferring ownership of such effluent to that person(s), obtain from that person details of how that person intends to comply with their general environmental duty provided by Section 319 of the *Environmental Protection Act 1994* in respect of the use and disposal of such effluent, particularly in relation to environmental sustainability of any effluent

disposal, protection of public health and protection of environmental values of waters;

- (ii) only give or transfer ownership of such effluent in accordance with a written agreement between the operator of the ERA and that person(s); and
- (iii) upon becoming aware that the person is not or is not likely to comply with their general environmental duty provided by Section 319 of the *Environmental Protection Act 1994*, cease the giving and transferring ownership of such effluent, as the case may be.

Agency Interest: Water

Water 1: Contaminants must not be released from the site to any waters or the bed and banks of any waters.

Stormwater management

Water 2: Except as otherwise provided by the conditions of this development approval, the ERA must be carried out by such reasonable and practicable means necessary to prevent the contact of incident rainfall and stormwater runoff with waste or other contaminants.

Water 3: Any spillage of waste, contaminants or other materials must be cleaned up as quickly as practicable. Such spillages must not be cleaned up by hosing, sweeping or otherwise releasing such wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.

Sewage pump station(s)

Water 4: Sewage pump station(s) must be fitted with stand-by pumps and pump - failure alarms and telemetry as well as high level alarms to warn of imminent pump station(s) overflow.

Water 5: All alarms and telemetry systems referred to in condition Water 4 must be able to raise an alarm should mains power failure occur at the pump station. When triggered the alarm must be reported to the appropriate person to respond to the failure.

Water 6: All pump station(s) must be able to operate without mains power by automatic back up power supply.

Water 7: In the event of a power outage the plant shall not release effluent to the irrigation areas or have any release of sewage to the environment.

Contaminant Releases Caused by Rainfall

Water 8: 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 for the sewage treatment plant and associated irrigation area(s). Such measures must include, but not be limited to, diversion drainage works, siltation fences and temporary traps.

DEFINITIONS

Words and phrases used throughout this permit¹ are defined below. Where a definition for a term used in this permit¹ is sought and the term is not defined within this permit¹ the definitions provided in the relevant legislation shall be used.

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

"annual return" means the return required by the annual notice (under Section 316 of the *Environment Protection Act 1994*) for the Section 73F registration certificate that applies to the development approval.

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

"approved plans" means the plans and documents listed in the approved plans section in the notice attached to this development approval.

"artificial waterway" means an artificial channel, lake or other body of water. Artificial waterway includes –

- an artificial channel that is formed because the land has been reclaimed from tidal water and is intended to allow boating access to allotments on subdivided land;
- other artificial channels subject to the ebb and flow of the tide; and
- any additions or alterations to an artificial waterway.

"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 *Coastal Protection and Management Act 1995* or the *Environment 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.

"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.

"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 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.

"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.

"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.

"tidal water" means the sea and any part of a harbour or watercourse ordinarily within the ebb and flow of the tide at spring tides.

"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 development approved under this development approval.

"you" means the holder of this development approval or owner / occupier of the land which is the subject of this development approval.

"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.

"95th percentile" means not more than one (1) of the measured values of the quality characteristic are to exceed the stated release limit (2 ntu) for any twenty (20) consecutive samples for a release/monitoring point at any time during the environmental activity(ies) works.

END OF CONDITIONS

