Queensland Government

Department of
Environment and Heritage Protection

To: Richmond Shire Council
PO Box 18
RICHMOND QLD 4822

Email: enquiries@richmond.qld.gov.au

Your reference: EPPR00918213
Our reference: 251859

Application details

I refer to your email in relation to your annual return notice

Land description:

Richmond Sewage Treatment Works Lot 48 Plan RT75; Off Middleton Road RICHMOND QLD 4822

Richmond Landfill Lot 80 Plan RT105; "Old Rifle Range" RICHMOND QLD 4822

Maxwelton Refuse Tip Lot 16 Plan RT118; Unnamed Road MAXWELLTON QLD 4816

Additional comments or advice

The annual return for EPPR00918213 has been amended to include only current Environmentally Relevant Activities (ERAs) and the conditions of the Development Permits for these ERAs have been converted to an Environmental Authority. The conditions remain the same.

Should you have any further enquiries, please contact Vicki Carney on telephone (07) 3330 5884.

Vicki Carney
Government Organisations and Utilities Assessment
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 0733305884
Fax: 07 3330 6037
Email: vicki.carney@ehp.qld.gov.au
Website **www.ehp.qld.gov.au**
ABN 46 640 294 485

Yours sincerely

Signature	Date
CMooney	5/3/15

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

Enclosed

Permit - environmental authority (reference EPPR00918213)

Permit[1]

Environmental Protection Act 1994

EPPR00918213

Environmental authority

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

Permit[1] number: EPPR00918213

Environmental authority takes effect on the date of issue.

The anniversary date of this environmental authority is 20 February.

Environmental authority holder(s)

Name	Registered address
Richmond Shire Council	50 Goldring Street RICHMOND QLD 4822

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63(1b)(i) Sewage treatment >100 to 1500EP treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme.	Richmond Sewage Treatment Works Off Middleton Road RICHMOND QLD 4822 Lot 48 RT75 Reserve 53
60(1)(a) Waste disposal –operating a facility for disposing of, in a year, the following quantity of waste - less than 50,000t (1)(a) Waste disposal consisting of regulated waste and any, or any combination, of (A) general waste;	Lot 80 RT105 "Old Rifle Range" RICHMOND QLD 4822
60(2)(a) Waste disposal 50t to 2000t yr (1)(b) operating a facility for disposing of, in a year, 50t or more of waste consisting of—(ii) general waste and (A) a quantity of regulated waste that is no more than 10% of the total amount of waste received at the facility in a year	Lot 16 PLAN RT118 Unnamed Road, MAXWELTON QLD 4816

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

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).

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.

CMooney

Signature

5/3/15

Date

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

Enquiries:
Vicki Carney
Government Organisations and Utilities Assessment
Department of Environment and Heritage Protection
GPO Box 2454
BRISBANE QLD 4001
Phone: 0733305884
Fax: 07 3330 6037
Email: vicki.carney@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

Part 1 - Site specific conditions

Location: Richmond Sewage Treatment Works Off Middleton Road RICHMOND QLD 4822 Lot 48 RT75 Reserve 53.

Relevant activity/ies: 63(1b)(i) Sewage treatment >100 to 1500EP treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme.

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

Agency interest: General	
Condition number	**Condition**
G1-1	In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and/or to minimise the likelihood of environmental harm being caused.
G1-2	The operator of an ERA to which this approval relates must: (a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and (b) maintain such measures, plant and equipment in a proper and efficient condition; (c) operate such measures, plant and equipment in a proper and efficient manner.
G1-3	Record, compile and keep all monitoring results required by this approval and present this information to the administering authority when requested.

G1-4	From commencement of an ERA to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are 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 contaminant releases; (h) conducting environmental impact assessments; (i) staff training; (j) record keeping; (k) periodic review of environmental performance and continual improvement.
G1-5	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G1-6	All records required by this approval must be kept for 5 years.
G1-7	A record of all regulated waste (excluding trackable waste) must be kept detailing the following information: (a) date of pickup of waste; (b) description of waste; (c) quantity of waste; (d) origin of the waste; (e) destination of the waste. NOTE: Trackable wastes have similar recording requirements to this condition. Therefore, records of documents maintained in compliance with a waste tracking system established under the above Regulation or any other law for recording details for the transport of regulated waste satisfy this condition.

G1-8	An annual monitoring report must be prepared each year and presented to the administering authority when requested. 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 approval and, in graphical form showing relevant limits, a comparison of the previous twelve (12) months monitoring results to both this approval's 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 d) a summary of the record of equipment failures or events recorded for any site under this approval; e) an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs; f) the number of domestic tenements newly connected to the sewage treatment works during the previous twelve (12) months; g) the progressive total number of connections; and h) a summary of any trade waste agreements entered into or amended during the year, including the nature of the industry.
G1-9	Telephone the Department of Environment and Heritage Protection 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.
G1-10	A competent person(s) must conduct any monitoring required by this approval.
G1-11	All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any conditions of this approval must be calibrated, and appropriately operated and maintained.
G1-12	The daily operation of the waste water 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.
G1-13	An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.
G1-14	Anyone operating under this approval must be trained in the use of the spill kit.
Agency interest: Air	
Condition number	**Condition**
A1-1	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 place or commercial place.
A1-2	The release of dust and/or particulate matter resulting from the ERA must not cause an environmental nuisance at any nuisance sensitive or commercial place.

Agency Interest: Land

Condition number	Condition
L1-1	The only contaminants permitted to be released to land are effluent to the designated evaporation area in compliance with the limit levels stated in Table 1 - Contaminant release limits to land and the conditions of this approval.

Table 1 –Contaminant release limits to land

Quality characteristics	Release Limit				
	Minimum	**50th percentile**	**80th percentile**	Maximum	Median
pH	6.5			8.5	
5-Day Biological Oxygen Demand (BOD)		10	15	20	
Suspended solids		15	25	30	
Faecal coliforms				1000	
Total Nitrogen		10	15	30	
Total Phosphorus		5	8	15	

L1-2 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 Table 2 - Monitoring program.

Table 2- Monitoring program

Monitoring point	Quality characteristics	Units	Frequency
Release to Evaporation Pond.	pH	pH units	Monthly
Release to Evaporation Pond.	BOD	mg/L	Monthly
Release to Evaporation Pond.	Suspended solids	mg/L	Monthly
Release to Evaporation Pond.	Faecal Coliforms	Cfu/100mL	Monthly
Release to Evaporation Pond.	Total Nitrogen	mg/L	Monthly
Release to Evaporation Pond.	Total Phosphorus	mg/L	Monthly

Cfu – Colony forming units

L1-3 Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.

NOTE: All petroleum product storage's must be designed, constructed and maintained in accordance with AS 1940- Storage and Handling of Flammable and Combustible Liquids.

Agency Interest: Noise

Condition number	Condition
N1-1	Noise from the ERA must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
Agency Interest: Social	
Condition number	**Condition**
S1-1	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: Water	
Condition number	**Condition**
WT1-1	Contaminants must not be released from the site to any waters or the bed and banks of any waters.
WT1-2	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.
WT1-3	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.
WT1-4	All ponds used for the storage or treatment of contaminants, sewage or wastes at or on the authorised place must be constructed, installed and maintained: a) so as to minimise the likelihood of any release of effluent through the bed or banks of the pond to any waters (including ground water); b) so that a free board of not less than 0.5 metres is maintained at all times; and c) so as to ensure the stability of the ponds' construction.
WT1-5	Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from entering any ponds or other structures used for the storage or treatment of contaminants or wastes.

Part 2 - Site specific conditions

Location 1: **Lot 80 Plant RT105 "Old Rifle Range"RICHMOND QLD 4822.**

Relevant activity/ies 60(1)(a) Waste disposal –operating a facility for disposing of, in a year, the following quantity of waste - less than 50,000t
(1)(a) Waste disposal consisting of regulated waste and any or any combination, of (A) general waste;

Location 2: **Lot 16 PLAN RT118 Unnamed Road, MAXWELTON QLD 4816.**

Relevant activity/ies 60(2)(a) Waste disposal 50t to 2000t yr
(1)(b) operating a facility for disposing of, in a year, 50t or more of waste consisting of—
(ii) general waste and (A) a quantity of regulated waste that is no more than 10% of the total amount of waste received at the facility in a year.

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

Agency interest: General	
Condition number	**Condition**
G2-1	In carrying out an ERA to which this approval relates, all reasonable and practicable measures must be taken to prevent and/or to minimise the likelihood of environmental harm being caused.
G2-2	The operator of an ERA to which this approval relates must: (a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval ; and (b) maintain such measures, plant and equipment in a proper and efficient condition; (c) operate such measures, plant and equipment in a proper and efficient manner.

G2-3	From commencement of the 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 all Environmentally Relevant Activities that are 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.
G2-4	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G2-5	All records required by this approval must be kept for 5 years.
G2-6	Closure and post-closure care When the deposition of waste to the landfill unit ceases, a final cover system to the landfill unit must be installed which minimises: a) infiltration of water into the landfill unit; b) the likelihood of any erosion occurring to either the final cover system or the landfilled materials; and c) uncontrolled release of landfill gas.
G2-7	Post-closure care of the landfill unit must be conducted following deposition of waste in the landfill unit, for: a) a period of 30 years; or b) such shorter period until the landfill unit and surrounding site are geo-technically stable and that no release of waste materials, leachate, landfill gas or other contaminants to the environment is likely.
G2-8	A site management plan pursuant to Chapter 7, Part 8, Division 5 of the *Environmental Protection Act 1994* must be developed and provided to the administering authority at least 12 months before the expected final receipt of the waste in the landfill unit. The site management plan must include, but is not to be limited to, the future land use and actions you intend to take for compliance with the closure and post-closure care requirements of this approval.
G2-9	Measures must be taken to prevent unauthorised access to the site to which this approval relates.
G2-10	Clear access to the water supply for fire-fighting vehicles must be provided at all times.
G2-11	An effective fire break must be provided and maintained.
G2-12	Telephone the Department of Environment and Heritage Protection 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.

G2-13	For the purpose of minimising the disposal of recyclable waste to landfill, in accordance with the waste management hierarchy and principles of the *Waste Reduction and Recycling Act 2011*, you must implement a Waste Management Plan that addresses at least the following matters: a) waste management practices that will ensure that recyclables are diverted from landfill; b) procedures for identifying and implementing opportunities to improve the waste management practices employed including information and education packages for waste generators to assist in maximising the diversion of recyclable materials from landfill; c) details of any accredited management system employed , or planned to be employed, to implement the waste management practices; d) training programs and guidance for waste transport contractors in the identification and source separation of recyclable materials; e) procedures for auditing waste loads to identify material to be removed for recycling; f) how often the performance of the waste management practices will be assessed (at least annually); g) the indicators or other criteria, taking into account economic, social and environmental factors on which the performance of the waste management practices will be assessed; h) the recovery of energy from any methane collected in a landfill gas collection system; and i) annual reporting by 31 August each year any new measures adopted or materials newly diverted from landfill disposal NOTE: The development of the local government's waste management strategic plan in accordance with the *Waste Reduction and Recycling Act 2011* which addresses the above matters will be deemed to satisfy the requirements of this condition.
G2-14	An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site, and in each vehicle used if the activity is a mobile ERA.
G2-15	Anyone operating under this approval must be trained in the use of the spill kit.
Agency interest: Air	
Condition number	**Condition**
A2-1	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.
A2-2	The release of dust and/or particulate matter resulting from the ERA must not cause an environmental nuisance at any nuisance sensitive or commercial place.
A2-3	The release of landfill gas must not cause environmental harm.

Agency Interest: Land	
Condition number	**Condition**
L2-1	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.
Agency Interest: Noise	
Condition number	**Condition**
N2-1	Noise from activities must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
Agency Interest: Social	
Condition number	**Condition**
S2-1	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	
Condition number	**Condition**
W2-1	Records of the source, volumes and composition of all waste materials accepted at the landfill facility, recyclable materials recovered, fate of recyclable materials (e.g. transported off site for reuse/recycling, reused/recycled on site or stored on site), calculated percentage diversion rates for the materials must be kept and maintained and reported, in a specified format, to the administering authority by 31 August each year. NOTE; The submission of these values in an annual report for the local government's waste management strategic plan or otherwise required by the administering authority will be deemed to satisfy the reporting requirement of this condition.

W2-2	Notwithstanding any condition of this approval, the following waste materials are not permitted or allowed to be deposited in the landfill unit: a) liquid or semiliquid waste other than liquid or semiliquid waste which has been produced in carrying out the ERA; b) hot ash; c) material that is smouldering or aflame; d) material containing a substance which is ignitable, corrosive, reactive or toxic (other than materials containing a toxic substance from domestic premises) unless this material is to be deposited into a dedicated monocell approved in writing by the administering authority; e) all radioactive wastes; f) an explosive; g) ammunition, other than ammunition that no longer contains explosives, pyrotechnics or propellants apart from trace residues that are no longer capable of supporting combustion or an explosive reaction; and h) whole scrap tyres at the rate exceeding 10,000 equivalent passenger tyre units (EPU) per annum.
W2-3	All waste that is likely to cause environmental harm when placed in an exposed position must be handled and disposed of as a special burial.
Agency interest: Water	
Condition number	**Condition.**
WT2-1	Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
WT2-2	Contaminants must not be released from the site to any waters or the bed and banks of any waters.
WT2-3	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.
WT2-4	Suitable banks and/or diversion drains must be installed and maintained to exclude stormwater runoff from entering any ponds or other structures used for the storage or treatment of contaminants or wastes.
WT2-5	The release of contaminants to groundwaters must not cause environmental harm
WT2-6	The release of contaminants to groundwaters is not considered to cause environmental harm if groundwater monitoring shows that the release does not result in any statistically significant adverse change of these contaminants over background values at locations hydraulically down gradient of the landfill unit.
WT2-7	The following materials must not be used for dust suppression purposes: • used oil; and • landfill gas condensate; and • any other material such as leachate or stormwater contaminated by contact with wastes, when the use of the said material causes or is likely to cause unlawful environmental harm.

DEFINITIONS

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

"administering authority" means the Department of Environment and Heritage Protection 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*.

"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.

"canal" means an artificial waterway surrendered to the State. A canal is an artificial waterway connected, or intended to be connected, to tidal water; and from which boating access to the tidal water is not hindered by a lock, weir or similar structure.

"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.

"coastal dune" means a ridge or hillock of sand or other material on the coast and built up by the wind.

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

"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.

"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.

"erosion prone area" means an area declared to be an erosion prone area under section 70(1) of the *Coastal Protection and Management Act 1995.*

"equivalent passenger tyre unit (EPU)" means a unit which allows for the following conversions:

- Passenger tyre 1 EPU (9.5kg)
- Light and medium commercials 2EPU (19kg)
- Truck and bus tyres 5 EPU (47.5kg)
- earthmoving and agricultural 50 EPU (475kg);and
- large earthmoving and agricultural 100 EPU (950) kg.

"Geotechnical stability of the landfill unit" means a situation where instability related to the excessive settlement and subsidence caused by decomposition and consolidation of the wastes deposited in the landfill unit, and sliding instability of the unit slope has ceased.

"high water mark" means the ordinary high water mark at spring tides.

"Ignitable, corrosive, reactive or toxic materials" are materials as defined in the Queensland Government Environment and Heritage Protection Guideline-Landfill siting, design, operation and rehabilitation Version: 2

"infectious waste" means waste containing viable micro-organisms or their toxins which are known or suspected to cause disease in animals or humans.

"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.

"Landfill facility" means all contiguous land and structures, other appurtenances, and improvements on the land used or associated with the disposal of waste.

"Landfill unit" means a discrete area of land or an excavation that receives solid waste.

"leachate" means a liquid that has passed through or emerged from, or is likely to have passed through or emerged from, a material stored, processed or disposed of at the licensed place which contains soluble, suspended or miscible contaminants likely to have been derived from the said material

"liquid or semi-liquid waste" means a waste which failed the paint filter liquid test described in the document SW-846 'Test Methods for Evaluation of Solid Wastes Physical/ Chemical Methods' published by the United States Environmental Protection Agency, Revision 5 April 1998 or updated version thereof.

"lower explosive limit" means the lowest percent by volume of a mixture of explosive gases in air that will propagate a flame at 25° C and atmospheric pressure.

"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.

"ponded pasture" means a permanent or periodic pondage of water in which the dominant plant species are pasture species used for grazing or harvesting.

"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.

"quarry material" means material on State coastal land, other than a mineral within the meaning of any Act relating to mining. Material includes for example stone, gravel, sand, rock, clay, mud, silt and soil, unless it is removed from a culvert, stormwater drain or other drainage infrastructure as waste material.

"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.

"special burial of waste" means a disposal method where earth moving equipment pushes the wastes to the bottom of the working face or into an excavated hole, and immediately covers it with earth or other waste material.

"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.

"50th percentile" means not more than three (3) of the measured values of the quality characteristic are to exceed the stated release limit for any six (6) consecutive samples for a release/monitoring point at any time during the environmental activity(ies) works.

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

END OF PERMIT