Permit

Environmental Protection Act 1994

Environmental authority BRID0031

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

Environmental authority number: BRID0031

Environmental authority takes effect on 11 April 2017

Environmental authority holder(s)

Name(s)	Registered address
William Reddie	Lot 30 Peninsula Development Road, Lakeland

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
63-(1a)(i) Sewage treatment > 21 to 100EP if treated effluent is discharged to an infiltration trench or through an irrigation scheme	Lot 30 on plan SP285541 (former Lot 30 on SP218120) Peninsula Development Road, LAKELAND QLD 4871

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.

ABN 46 640 294 485

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).

Contaminated land

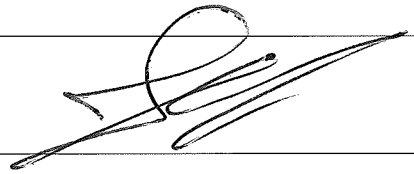
It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- 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'.

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.

	11/4/2017
Signature	Date

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

Enquiries:
Industry and Development Assessment
Department of Environment and Heritage Protection
PO Box 731, Toowoomba QLD 4350
Phone: (07) 4526 8355
damian.damianos@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)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Natural Resources and Mines (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Conditions of environmental authority

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

<table>
<tr><th colspan="2">Agency interest: General</th></tr>
<tr><th>Condition number</th><th>Condition</th></tr>
<tr><td>G1</td><td>Extent of Approval
This environmental authority permits the carrying out of environmentally relevant activity (ERA) to operate a sewage treatment work with a peak design capacity of 60 equivalent persons (EP) and to treat flows at a maximum peak design population of ninety (90) persons. The sewage treatment works consist of nine (9) septic tanks each with a capacity of 4000 Litres (L) as shown below.
<table>
<tr><th>Systems</th><th>Sewage treatment works</th><th>Peak design capacity</th></tr>
<tr><td>40 persons</td><td>2 x 4000 L septic tanks
Evapo-transpiration absorption systems</td><td>15 EP
258 m^2</td></tr>
<tr><td>50 persons</td><td>7 x 4000 L septic tanks
Absorption beds</td><td>45 EP
907 m^2</td></tr>
</table></td></tr>
<tr><td>G2</td><td>Prevent and/or minimise likelihood of environmental harm
In carrying out an activity 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.</td></tr>
<tr><td>G3</td><td>Maintenance of Measures, Plant and Equipment
The operator of an activity to which this approval relates must:
a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and
b) maintain such measures, plant and equipment in a proper and efficient condition; and
c) operate such measures, plant and equipment in a proper and efficient manner.</td></tr>
<tr><td>G4</td><td>The sewage treatment works must be maintained and operated in accordance to the latest edition of AS/NZS 1547:2000 — On-site domestic-wastewater management.</td></tr>
<tr><td>G5</td><td>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 is expressly provided by this Environmental Authority</td></tr>
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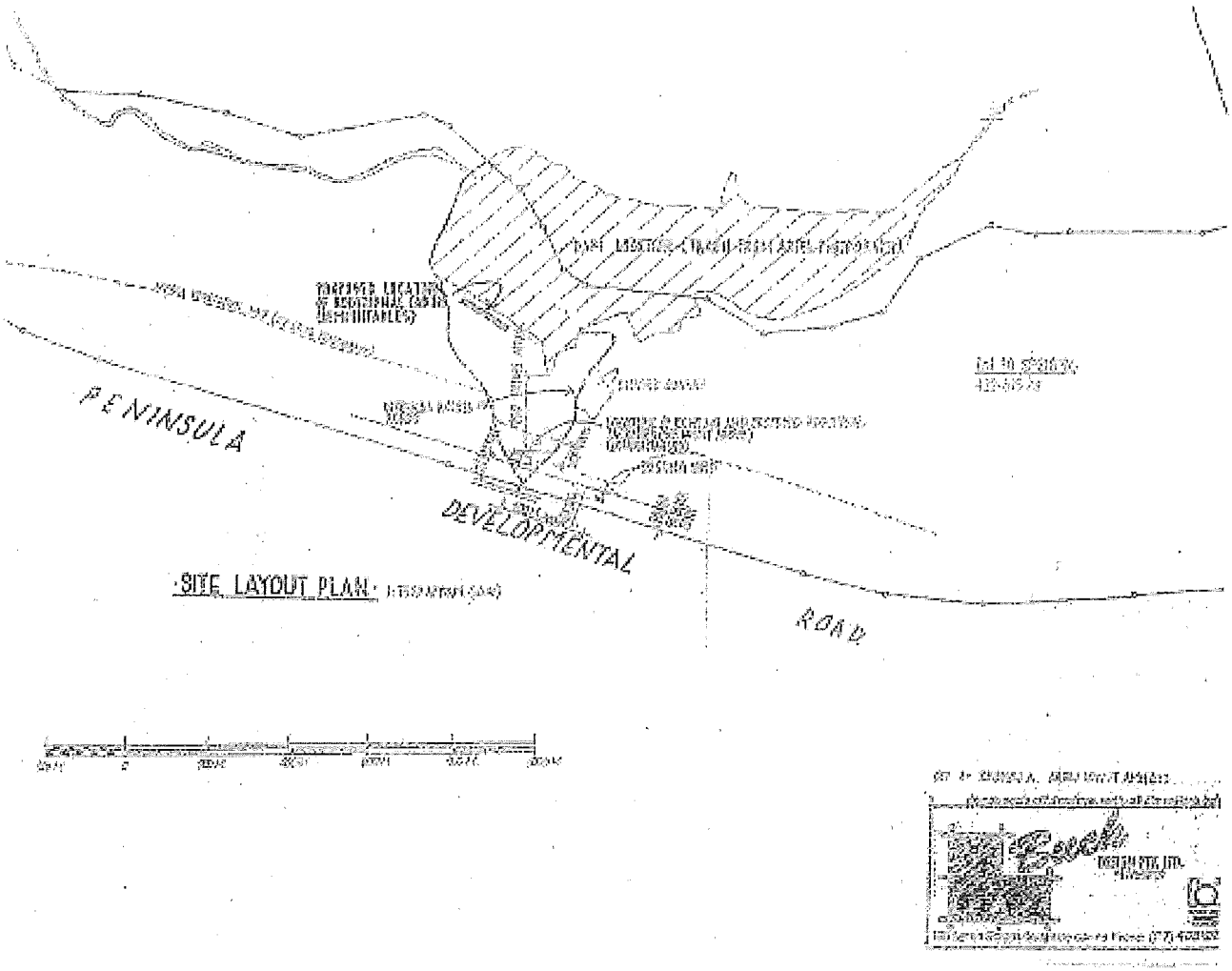
G6	**Site Based Management Plan** From commencement of an activity to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the 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 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 contaminant releases. h) Conducting environmental impact assessments. i) Staff training. j) Record keeping. k) Periodic review of environmental performance and continual improvement.
G7	The site based management plan must not be implemented or amended in a way that contravenes any condition of this approval.
G8	**Waste Records** A record of all waste generated in carrying out the activity 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; and e) destination of the waste. Note: Trackable wastes listed in Schedule 2E of the *Environmental Protection Regulation 2008* are not covered by this condition. Trackable wastes have similar recording requirements to this condition in accordance with a waste tracking system established under the above Regulation.
G9	**Incident Recording** A record must be maintained of events including but not limited to: a) the time, date and duration of equipment malfunctions where the failure of the equipment resulted in the release of contaminants reasonably likely to cause environmental harm; and b) any uncontrolled release of contaminants reasonably likely to cause environmental harm.
G10	All records required by this approval must be kept for 5 years.

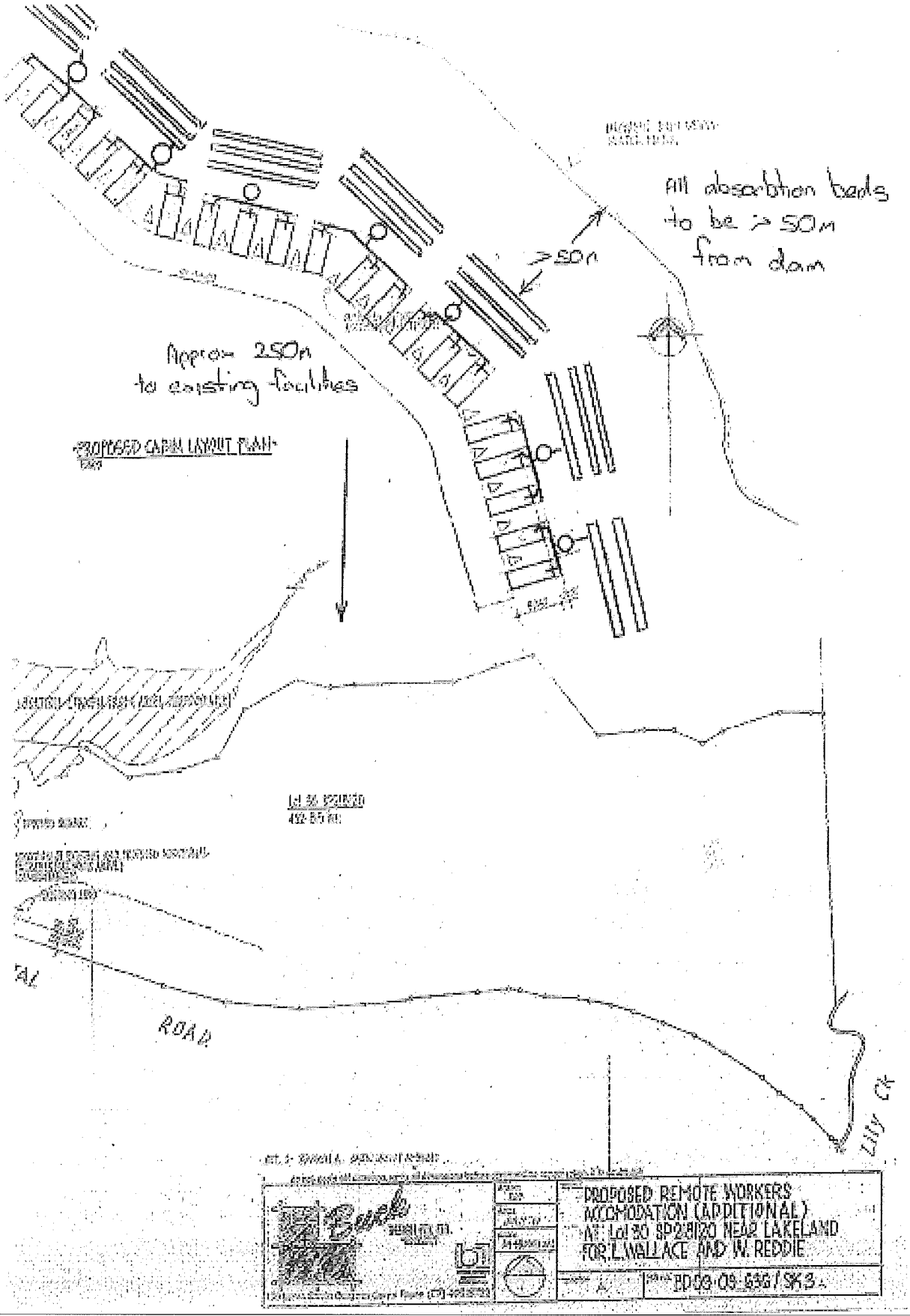
G11	**Notification of Emergencies, Incidents and Exceptions** Telephone the Administering Authority's Pollution Hotline or local office as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.
G12	A written notice detailing the following information must be provided to the Administering Authority within 14 days of any advice provided in accordance with condition G11: a) the name of the operator, including their approval / registration certificate number; b) the name and telephone number of a designated contact person; c) quantity and substance released; d) person/s involved; e) the location and time of the release; f) the suspected cause of the release; g) a description of the effects of the release; h) the results of any sampling performed in relation to the release, i) actions taken to mitigate any environmental harm caused by the release; and j) proposed actions to prevent a recurrence of the release.
Agency interest: Air	
Condition number	**Condition**
A1	**Noxious or offensive Odour** 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	When requested by the administering authority, monitoring must be undertaken to investigate any complaint of environmental nuisance caused by a release to the atmosphere from the site, and the results thereof notified to the administering authority within 14 days following completion of monitoring.
Agency interest: Land	
Condition number	**Condition**
L1	**Release to land** The only contaminant permitted to be released to land is primary treated effluent to land application area (i.e. evapo-transpiration absorption systems and absorption beds) as shown in Schedule 1 in compliance with the conditions of this approval.
L2	**Land application area** A minimum area of 1165 m^2 of land, excluding any necessary buffer zones, must be utilised for the disposal of treated effluent.

L3	The disposal of treated effluent must be carried out in a manner such that: a) soil erosion and soil structure damage is avoided; b) there is no surface ponding or runoff of effluent; and c) there is no odour.
L4	Access must be restricted to the land application area.
L5	**Spillages** Spillage of contaminants in carrying out the activity must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.
Agency interest: Noise	
Condition number	**Condition**
N1	**Noise nuisance** Noise from the activity must not cause an environmental nuisance at any nuisance sensitive place or commercial place.
Agency interest: Social	
Condition number	**Condition**
S1	**Complaint response** The operator of the activity 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**
W1	Waste must not be released to the environment, transferred or disposed contrary to any condition of this environmental authority.

W2	**Waste handling** All regulated waste removed from the site must be removed by a person approved to transport such waste under the provisions of the *Environmental Protection Act 1994.*
W3	All waste generated in carrying out the activities must be disposed of at an appropriately authorised facility that can lawfully accept such waste or to a facility that can lawfully and appropriately reuse, recycle or reprocess such waste.
W4	The septic tanks must be inspected for scum and sludge build up at a frequency of not less than once in every two (2) years.
W5	De-sludging must be carried out when scum and sludge occupy two thirds of the volume of the septic tanks.
Agency interest: Water	
Condition number	**Condition**
WA1	**Release to surface waters** Contaminants must not be released from the site to any waters or the bed and banks of any waters.
WA2	**Buffer distance** The sewage treatment works must be located at minimum buffer distance of at least 50 metres from any bore or waters.
WA3	**Erosion and sediment control** Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
WA4	**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 gutters or stormwater drains.

Schedule 1 – Land Application Areas




All absorbtion beds to be ≥ 50m from dam
≥50m
Approx 250m to existing facilities
PROPOSED CABIN LAYOUT PLAN
ROAD
PROPOSED REMOTE WORKERS ACCOMMODATION (ADDITIONAL)
AT: Lot 30 SP218120 NEAR LAKELAND
FOR: L WALLACE AND W REDDIE
BD-09-09-656/SK3

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.

"activity" means the environmentally relevant activity (ERA), or aspect of the ERA to which this development approval relates.

"administering authority" means the Department of Environment and Heritage Protection or its successor.

"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 harm" means any adverse effect, or potential adverse effect (whether temporary or permanent and of whatever magnitude, duration or frequency) on an environmental value, and includes environmental nuisance. Environmental harm may be caused by an activity —

- whether the harm is a direct or indirect result of the activity; or
- whether the harm results from the activity alone or from the combined effects of the activity and other activities or factors.

"Environmental nuisance" means unreasonable interference or likely interference with an environmental value caused by —

- aerosols, fumes, light, noise, odour, particles or smoke; or
- an unhealthy, offensive or unsightly condition because of contamination; or
- another way prescribed by regulation.

"Environmentally relevant activity (ERA)" means an activity prescribed by regulation as an ERA.

"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.

"$L_{A\ eq,\ adj,\ 10\ mins}$" means the A-weighted equivalent continuous sound pressure level, (adjusted for tonal character and impulsiveness of the sound) of any 10 minute measurement period.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"noxious" means harmful or injurious to health or physical wellbeing.

"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.

"regulated waste" means non-domestic waste mentioned in Schedule 7 of the *Environmental Protection Regulation 2008* (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.

"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.

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

END OF ENVIRONMENTAL AUTHORITY