Permit

Environmental Protection Act 1994

Environmental authority EA0001348

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

Environmental authority number: EA0001348

Environmental authority takes effect on the date when your related development application takes effect.

Environmental authority holder(s)

Name(s)	Registered address
NEILSENS QUALITY GRAVELS PTY. LTD.	Johnstone Road BRENDALE QLD 4500 Australia

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 33 - Crushing, milling, grinding or screening, Crushing, grinding, milling or screening more than 5000t of material in a year	Lot 2/RP36097
Prescribed ERA, ERA 33 - Crushing, milling, grinding or screening, Crushing, grinding, milling or screening more than 5000t of material in a year	Lot 96/SL7138
Prescribed ERA, ERA 33 - Crushing, milling, grinding or screening, Crushing, grinding, milling or screening more than 5000t of material in a year	Lot 1/RP138382
Prescribed ERA, ERA 33 - Crushing, milling, grinding or screening, Crushing, grinding, milling or screening more than 5000t of material in a year	Lot 1/RP36097
Prescribed ERA, ERA 33 - Crushing, milling, grinding or screening, Crushing, grinding, milling or screening more than 5000t of material in a year	Lot 2/RP138382
Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year	Lot 2/RP36097
Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year	Lot 96/SL7138
Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year	Lot 1/RP138382

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Environmentally relevant activity/activities	Location(s)
Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year	Lot 1/RP36097
Prescribed ERA, ERA 53 - Composting and soil conditioner manufacturing, Manufacturing, from organic material or organic waste, 200t or more of compost or soil conditioners in a year	Lot 2/RP138382

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).

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.

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Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 24 July 2018

Enquiries:
Waste and Contaminated Land Assessment
Department of Environment and Science
Phone: 1300 130 372
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)

Legislative Requirements and Conditions of Environmental Authority

GENERAL

G1 **Activities** under this environmental authority must be conducted in accordance with the following limitations:

1. **Activities** must be undertaken within the area defined in the site setout table in Appendix 1;
2. manufacturing of compost and/or soil conditioners must be undertaken:
    a. on an **impermeable** pad; and
    b. using only **green waste** and **uncontaminated soil**.
3. **Activities**, including the sediment basin, must be undertaken above the 100 ARI flood level

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G2 All reasonable and practicable **measures** must be taken to prevent or minimise environmental harm caused by the **activities**.

G3 Any breach of a condition of this environmental authority must be reported to the **administering authority** as soon as practicable within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.

G4 Other than as permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.

G5 All information and records required by the conditions of this environmental authority must be kept for a minimum of five years with the exception of environmental monitoring results which must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the **administering authority** upon request and in the format requested.

G6 An **appropriately qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.

G7 All analyses required under this environmental authority must be carried out by a laboratory that has NATA certification, or an equivalent certification, for such analyses. The only exception to this condition is for in situ monitoring of dissolved oxygen and turbidity.

G8 When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a complaint of **environmental nuisance** arising from the **activity**. The monitoring results must be provided within 10 business days to the **administering authority** upon its request.

G9 **You** must record the following details of all environmental complaints received:

1. date and time the complaint was received
2. name and contact details of the complainant when provided and authorised by the complainant

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3. nature of the complaint
4. investigation undertaken
5. conclusions formed
6. actions taken.

G10 The **activity** must be undertaken in accordance with written procedures that:

1. identify potential risks to the environment from the **activity** during routine operations, closure and an emergency
2. establish and maintain control **measures** that minimise the potential for environmental harm
3. ensure plant, equipment and **measures** are maintained in a proper and effective condition
4. ensure plant, equipment and **measures** are operated in a proper and effective manner
5. ensure that staff are trained in and aware of their obligations under the *Environmental Protection Act 1994*
6. ensure that reviews of environmental performance are undertaken at least annually.

G11 All reasonable and practicable **measures** must be taken to exclude vectors and pest species to the extent necessary to prevent:

1. **environmental nuisance** to occupiers of neighbouring premises
2. any danger or risk to the health of any persons.

G12 Chemicals and fuels in containers of greater than 15 litres must be stored within a secondary containment system.

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ACOUSTIC

N1 Noise generated by the **activity** must not cause **environmental nuisance** to any **sensitive** or **commercial place.**

N2 Noise levels from the activity must not exceed the limits identified in *Table 1 – Noise Limits.*

Table 1 – Noise Limits

Noise level dB(A) measured as	**Monday to Saturday**				**Sundays and public holidays**			
	6am – 7am	7am – 6pm	6pm – 10pm	10pm – 6am	6am – 7am	7am – 6pm	6pm – 10pm	10pm – 6am
		Noise measured at a sensitive place						
LAeq, adj15mins	45	46	No Audible Noise	No Audible Noise	No audible noise			
Max LpA	47	-	-	-				
		Noise measured at a commercial place						
LAeq, adj15mins	50	55	50	45	50	55	50	45

N3 All noise monitoring which is conducted to determine compliance with *Table 1 – Noise Limits* must be completed in accordance with the following noise monitoring requirements:

a) All noise monitoring must be conducted in accordance with the administering authority's most recent version of the *Noise Measurement Manual.*
b) Source noise levels must be expressed as component noise levels for the purposes of comparison with noise limits.
c) All noise monitoring devices must be calibrated in accordance with AS IEC 61672.1-2004.
d) Monitoring location(s) must be relevant to the matter(s) under investigation.

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AIR

A1 Other than as permitted within this environmental authority, odours or airborne contaminants must not cause **environmental nuisance** to any **sensitive** or **commercial place**.

A2 Dust and particulate matter emissions must not exceed the following concentrations at any sensitive place or commercial place:

a) dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 (or more recent editions); Or
b) a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (μm) (PM10) suspended in the atmosphere of 50 micrograms per cubic metre over a 24 hour averaging time, when monitored in accordance with Australian Standard AS 3580.9.6 (or more recent editions) or any other method approved by the administering authority.

LAND

L1 Land that has been disturbed for **activities** conducted under this environmental authority must be rehabilitated in a manner such that:

1. the potential for erosion is minimised
2. the quality of water, including seepage, released from the site does not cause environmental harm
3. the potential for **environmental nuisance** caused by dust is minimised
4. the water quality of any residual water body does not have potential to cause environmental harm
5. suitable native species of vegetation for the location are established and sustained for earthen surfaces where beneficial for the end land use.

L2 Treatment and management of acid sulfate soils must comply with the guidance provided in the current edition of the *Queensland Acid Sulfate Soil Technical Manual.*

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WATER

WT1 The stormwater runoff from **disturbed areas**, generated by a storm event up to and including a **24 hour storm event with an average recurrence interval of one-in-ten years** must be retained on site and managed to remove contaminants before released offsite.

WT2 Erosion and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.

WT3 The only contaminants to be released to surface waters, or land, are settled treated stormwater and leachate from the sediment basin in Appendix 1, in accordance with *Table 2 — Surface water release limits* and the associated monitoring requirements.

Table 2 — Surface water release limits

Release Point	Quality characteristic(units)	Limit	Limit Type	Minimum Monitoring Frequency
Overflow point of the sediment basin defined in Appendix 1*	Total nitrogen	500 µg/L	Maximum	Upon release
	Total phosphorus	50 µg/L	Maximum	
	Dissolved oxygen	85 – 110% saturation	range	
	Total suspended solids	<50 mg/L	Maximum	
	Turbidity	50 NTU	Maximum	
	pH	6.5 – 8.5	Range	

***** releases to waters to occur via release point WR2 in Environmental Authority BRID0037

Associated monitoring requirements

1. Monitoring must be in accordance with the methods prescribed in the current edition of the administering authority's *Water Monitoring and Sampling Manual*.
2. Water and sediment samples must be representative of the general condition of the water body or sediments.
3. All determinations must employ analytical practical quantification limits of sufficient sensitivity to enable comparisons to be made against water quality objectives/triggers/limits relevant to the particular water or sediment quality characteristic.
4. Monitoring must be undertaken during a release and at the frequency stated.
5. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.

WT4 The release to waters permitted under WT2 must not contain any other properties at a concentration capable of causing environmental harm.

WT5 The release to waters permitted under WT2 must not produce any slick or other visible evidence of oil or grease, scum, litter or other visually objectionable matter.

WASTE

WS1 All waste generated in carrying out the activity must be reused, recycled or removed to a facility that can lawfully accept the waste.

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DEFINITIONS
Key terms and/or phrases used in this document are defined in this section and bolded throughout this document. Applicants should 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.

24 hour storm event with an average recurrence interval (ARI) of 1 in 10 years means the maximum rainfall depth from a 24 hour duration precipitation event with an average recurrence interval of once in 10 years. For example, an Intensity-Frequency-Duration table for a 24 hour duration event with an average recurrence interval of 1 in 10 years, identifies a rainfall intensity of 8.2mm/hour. The rainfall depth for this event is therefore 24 hour x 8.2mm/hour = 196.8mm.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Science or its successor or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to EA requirement and can give authoritative assessment, advice and analysis in relation to the EA requirement using the relevant protocols, standards, methods or literature.

Commercial place means 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.

Disturbed areas includes areas:
1. that are susceptible to erosion;
2. that are contaminated by the **activity**; and/or
3. upon which stockpiles of soil or other materials are located.

Environmental nuisance as defined under Chapter 1 of the *Environmental Protection Act 1994.*

Environmental value as defined under Chapter 1 of the *Environmental Protection Act 1994.*

Groundwater means water that occurs naturally in, or is introduced artificially into, an aquifer.

Green waste – means biodegradable vegetation material, such as leaves, branches and grass clipping, but does not include putrescible waste.

Impermeable – constructed of material of sufficient permeability to ensure groundwater is not contaminated by the activity.

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 site that contains soluble, suspended or miscible contaminants likely to have been derived from the said material.

Measures has the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

Offensive means causing offence or displeasure; is unreasonably disagreeable to the sense; disgusting, nauseous or repulsive.

Prescribed contaminants means contaminants listed within Schedule 9 of the Environmental Protection Regulation 2008.

Records include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

Release of a contaminant into the environment means to:

(a) deposit, discharge, emit or disturb the contaminant
(b) cause or allow the contaminant to be deposited, discharged, emitted or disturbed
(c) fail to prevent the contaminant from being deposited, discharged emitted or disturbed
(d) allow the contaminant to escape
(e) fail to prevent the contaminant from escaping.**Sediment storage zone** means the storage available in the bottom section of the stormwater basin designed to retain settled sediments.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
6. a public thoroughfare, park or gardens; or
7. for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

Upper settling volume means the volume of the stormwater basin designed to capture surface runoff from storm events up to the design event.

Uncontaminated soil means soil that:

- is not acid sulfate soils or potential acid sulfate soils in accordance with the current edition of the *Queensland Acid Sulfate Soil Technical Manual;* and
- is not contaminated in accordance with the *National Environment Protection (Assessment of Site Contamination) Measure 1999*.

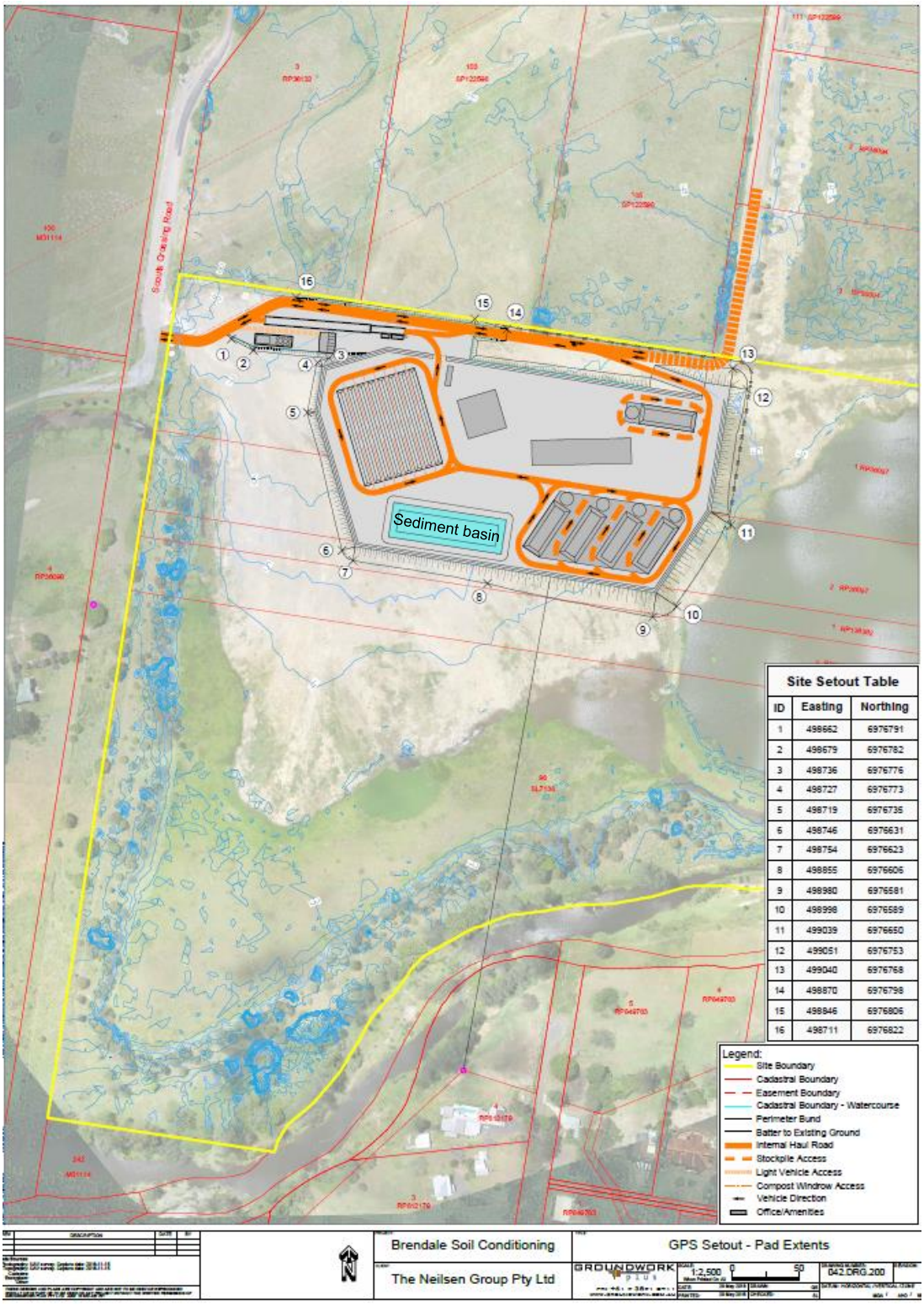
Waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the

sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and **groundwater** and any part thereof.

You means the holder of the environmental authority.

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APPENDIX 1


Sediment basin
Site Setout Table
ID | Easting | Northing
1 | 498662 | 6976791
2 | 498679 | 6976782
3 | 498736 | 6976776
4 | 498727 | 6976773
5 | 498719 | 6976735
6 | 498746 | 6976631
7 | 498754 | 6976623
8 | 498855 | 6976606
9 | 498980 | 6976581
10 | 498998 | 6976589
11 | 499039 | 6976650
12 | 499051 | 6976753
13 | 499040 | 6976768
14 | 498870 | 6976798
15 | 498846 | 6976806
16 | 498711 | 6976822
Legend:
Site Boundary
Cadastral Boundary
Easement Boundary
Cadastral Boundary - Watercourse
Perimeter Bund
Batter to Existing Ground
Internal Haul Road
Stockpile Access
Light Vehicle Access
Compost Windrow Access
Vehicle Direction
Office/Amenities
Brendale Soil Conditioning
The Neilsen Group Pty Ltd
GPS Setout - Pad Extents
GROUNDWORK plus
1:2,500
042.DRG.200