



# Licence

## *Environmental Protection Act 1986, Part V*

**Licence Holder:** River Nominees Pty Ltd

**Licence:** L8769/2013/1

**Registered office:** Level 4  
35-37 Havelock Street  
WEST PERTH WA 6005

**ACN:** 109 054 239

**Premises address:** 324 Horton Road  
WOOTTATING WA 6562  
Being Lot 13 on Diagram 87525 as depicted in Schedule 1.

**Issue date:** Friday, 27 February 2015

**Commencement date:** Wednesday, 4 March 2015

**Expiry date:** Saturday, 3 March 2018

**Prescribed premises category**

Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved Premises production or design capacity
61	Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	100 tonnes or more per year	7,100 tonnes per annum
67A	Compost manufacturing and soil blending: premises on which organic material (excluding silage) or waste is stored pending processing, mixing, drying or composting to produce commercial quantities of compost or blended soils.	1000 tonnes or more per year	58,000 tonnes per year

**Conditions**

This Licence is subject to the conditions set out in the attached pages.

.....  
Officer delegated under section 20  
of the *Environmental Protection Act 1986*



## Contents

Licence	1
Contents	2
Introduction	2
Licence conditions	4
1 General	4
2 Emissions	9
3 Monitoring	11
4 Improvements	13
5 Information	14
Schedule 1: Maps	16
Schedule 2: Reporting & notification forms	19

## Introduction

This Introduction is not part of the Licence conditions.

### DER's industry licensing role

The Department of Environment Regulation (DER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DER works with the business owners, community, consultants, industry and other representatives to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

### Licence requirements

This Licence is issued under Part V of the Act. Conditions contained within the Licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link:

<http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* – these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- *Environmental Protection (Controlled Waste) Regulations 2004* – these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.



You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.

Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

#### **Licence fees**

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non-payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

#### **Ministerial conditions**

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.

#### **Premises description and Licence summary**

River Nominees Pty Ltd trading as Purearth operates an organic waste composting facility known as the Purearth Woottating Facility on a property located at Lot 13 on Diagram 87525, having street address 324 Horton Road, Woottating, Western Australia (WA). The operation covers 6 hectares of the 133 ha property that is agricultural land and has been used for grazing cattle in the past.

The composting operations use technology comprising of forced aeration for covered and uncovered compost windrows. The facility mixes a range of liquid wastes with the composting solids in a mixing shed before waste is placed in windrows for composting. Air is pulled through the windrows by fans and directed to a biofilter.

The proponent lodged an application with the EPA to be assessed under part IV of the Environmental Protection Act 1986 (EP Act) on 19 March 2012. The EPA advised the proposal would not require assessment on 14 May 2012.

Purearth has undertaken community consultation with local residents, the Shires of Northam and Mundaring and a local action group.

In accordance with the Minister for Environment's appeal determination dated 3 August 2015, this licence is for the amendment of the following:

- 'Approved Premises production or design capacity' from 2,100 to 7,100 tonnes per annum to reflect the design capacity approved under Works Approval W5441/2013/1;
- Amendments of conditions relating to the greenwaste storage area, specifically changing the requirement of storage on a 'hardstand area' to a 'compacted in-situ clay-based laterite area'. The definition of 'hardstand' has been removed from the licence.
- Table 1.3.4 has also been amended for the liquid waste storage tanks containment infrastructure of 'fibreglass lined storage tanks' to 'above ground galvanised steel tanks'.

A minor change that was raised during the appeal process was the name of the facility which has been corrected under this amendment. No amendments cited in the appeals process have been made.

The licences and works approvals issued for the Premises since 01/06/2013 are:

<b>Instrument log</b>		
<b>Instrument</b>	<b>Issued</b>	<b>Description</b>
WA5441/2013/1	14/06/2013	New application
L8769/2013/1	27/02/2015	New Licence
L8769/2013/1	10/09/2015	Minister's appeal determination



### Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

### END OF INTRODUCTION

## Licence conditions

### 1 General

#### 1.1 Interpretation

1.1.1 In the Licence, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 For the purposes of this Licence, unless the contrary intention appears:

**'Act'** means the *Environmental Protection Act 1986*;

**'AHD'** means the Australian height datum;

**'annual period'** means the inclusive period from 1 January until 31 December in the same year;

**'ARI'** means Average Recurrence Interval;

**'AS 4323.1'** means the Australian Standard AS4323.1 *Stationary Source Emissions Method 1: Selection of sampling positions*;

**'AS 4454'** means Australian Standard AS 4454 *Composts, soil conditioners and mulches*;

**'AS 4419'** means Australian Standard AS 4419 *Soils for landscaping and garden use*;

**'AS/NZS 5667.1'** means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples*;

**'AS/NZS 5667.11'** means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*;

**'averaging period'** means the time over which a limit or target is measured or a monitoring result is obtained;

**'BIO'** means biolfilter system used to treat odourous air from the composting operations;

**'biosolids'** means solid, semi-solid or slurry material produced by the treatment of sewage (sewage sludge);

**'CEO'** means Chief Executive Officer of the Department of Environment Regulation;

**'CEO'** for the purpose of correspondence means;



Chief Executive Officer  
Department Administering the Environmental Protection Act 1986  
Locked Bag 33  
CLOISTERS SQUARE WA 6850  
Email: [info@der.wa.gov.au](mailto:info@der.wa.gov.au)

**'code of practice for the storage and handling of dangerous goods'** means the document titled "Storage and handling of dangerous goods: Code of Practice" published by the Department of Mines and Petroleum, as amended from time to time;

**'compost'** means an organic product that has undergone controlled aerobic and thermophilic biological transformation through the composting process;

**'composting'** the process whereby organic materials are microbiologically transformed under controlled aerobic conditions.

**'controlled waste'** has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*;

**'dangerous goods'** has the meaning defined in the *Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007*;

**'environmentally hazardous material'** means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm. Note: Environmentally hazardous materials include dangerous goods where they are stored in quantities below placard quantities. The storage of dangerous goods above placard quantities is regulated by the Department of Mines and Petroleum;

**'feedstock'** means the organic material used in the composting process and listed in Table 1.3.1;

**'food waste'** means organic waste derived from food and food preparation.

**'freeboard'** means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;

**'fugitive emissions'** means all emissions not arising from point sources;

**'greenwaste'** means waste that originates from untreated trees or plants.

**'leachate'** means any water (or other liquid) that percolates through a composting material and becomes contaminated by extracting solutes, suspended solids or any other transportable components;

**'Licence'** means this Licence numbered L8769/2013/1 and issued under the Act;

**'Licensee'** means the person or organisation named as Licensee on page 1 of the Licence;

**'manure'** means any organic product composed mainly of animal excreta;

**'NATA'** means the National Association of Testing Authorities, Australia;

**'NATA accredited'** means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;

**'ORP'** means Oxidation Reduction Potential;

**'ou'** means odour units and is the unit of the odour concentration of a gaseous sample according to the AS/NZS 4323.3.2001 standard;



**'Phase 1'** means the initial aerobic composting process which takes place in covered windrows of feedstock and aerated with air drawn through perforated pipes beneath the windrows.

**'Phase 2'** means the final maturation period of the compost which takes place in uncovered windrows and aerated by air through perforated pipes.

**'Premises'** means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Licence;

**'Schedule 1'** means Schedule 1 of this Licence unless otherwise stated;

**'Schedule 2'** means Schedule 2 of this Licence unless otherwise stated;

**'six monthly'** means the 2 inclusive periods from 1 January to 30 June and 1 July to 31 December in the same year;

**'spot sample'** means a discrete sample representative at the time and place at which the sample is taken; and

**'usual working day'** means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia;

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this Licence.

1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Licence.

## 1.2 General conditions

1.2.1 Nothing in the Licence shall be taken to authorise any emission that is not mentioned in the Licence, where the emission amounts to:

- (a) pollution;
- (b) unreasonable emission;
- (c) discharge of waste in circumstances likely to cause pollution; or
- (d) being contrary to any written law.

1.2.2 The Licensee shall operate and maintain all pollution control and monitoring equipment to the manufacturer's specification or any relevant and effective internal management system.

1.2.3 The Licensee, except where storage is prescribed in section 1.3, shall ensure that environmentally hazardous materials are stored in accordance with the code of practice for the storage and handling of dangerous goods.

1.2.4 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.

1.2.5 The Licensee shall:

- (a) implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises; and
- (b) treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises.<sup>1</sup>

Note1: *The Environmental Protection (Unauthorised Discharges) Regulations 2004* make it an offence to discharge certain materials into the environment.





- 1.2.6 The Licensee shall ensure that a minimum freeboard of 600 millimetres is maintained for the storage dam.

### 1.3 Premises operation

- 1.3.1 The Licensee shall only accept waste on to the Premises if:
- (a) it is of a type listed in Table 1.3.1;
  - (b) the quantity accepted is below any quantity limit listed in Table 1.3.1; and
  - (c) it meets any specification listed in Table 1.3.1.

Table 1.3.1: General Waste acceptance		
Waste type	Quantity limit tonnes/ year	Specification <sup>1</sup>
Greenwaste	55,000	None specified
Food waste	2,500	None specified
Liquid waste	2,100	<p>Liquid waste acceptance is limited to the following sub categories of putrescible and organic wastes as specified under the <i>Environmental Protection (Controlled Waste) Regulations 2004</i>:</p> <ul style="list-style-type: none"><li>• K110- Waste from grease traps</li><li>• K200 – Food &amp; beverage processing wastes</li><li>• K210 – Septage wastes</li></ul> <p>No Liquid waste shall be accepted until Improvement reference IR1 in condition 4.1.1 has been completed.</p>

Note 1: Additional requirements for the acceptance of controlled waste (including animal effluent or residues; and vegetable and food processing waste) are set out in the Environmental Protection (Controlled Waste) Regulations 2004.

- 1.3.2 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.3.1 it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a segregated storage area or container and removed to an appropriately authorised facility as soon as practicable.

- 1.3.3 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the process set out in Table 1.3.3 and in accordance with any process limits described in that Table.

Table 1.3.3: Processing of materials		
Waste type	Process	Process requirements
As detailed in Table 1.3.1	Receipt, handling and storage prior to composting	<ul style="list-style-type: none"><li>i) Food waste shall not be stored for longer than 48 hours before being added to the composting process.</li><li>ii) Food waste must be stored in the mixing shed.</li><li>iii) Waste shall not be stored within 5 metres of the Premises boundary.</li><li>iv) Greenwaste shall be stored on the compacted in-situ clay-based laterite area.</li><li>v) Stockpiles of shredded greenwaste shall not be watered or turned before the composting process commences.</li><li>vi) Liquid waste must only be applied to greenwaste in the mixing shed.</li></ul>



**Table 1.3.3: Processing of materials**

	Treatment by composting	<ul style="list-style-type: none"> <li>i) Any windrows not subject to forced aeration shall be turned regularly to ensure aerobic conditions are maintained.</li> <li>ii) The core temperature of the composting pile shall be maintained between 45 °C and 65 °C for phase 1.</li> <li>iii) Moisture level in the composting piles shall be maintained between 50 to 60 per cent.</li> <li>iv) Windrows shall not exceed 5 metres high, 8 metres wide and 48 metres long.</li> <li>v) Compost stockpiles shall not exceed 1,500 m<sup>3</sup>.</li> <li>vi) A minimum of 5 meters firebreak shall be maintained around the greenwaste and compost storage areas.</li> <li>vii) There shall not be more than 8 composting windrows in total onsite at any one time.</li> <li>viii) Composting leachate shall be collected and directed to the leachate dam.</li> <li>ix) Leachate shall only be applied to Phase 1 windrows.</li> <li>x) All Phase 1 windrows shall be covered at all times except when the material is transferred from Phase 1 to Phase 2 windrows.</li> <li>xi) The sliding curtain on the mixing shed shall be closed outside operating hours.</li> </ul>
--	-------------------------	---

1.3.4 The Licensee shall ensure that waste is stored and/or contained within infrastructure in accordance with Table 1.3.4 and that the integrity of the containment infrastructure is maintained.

**Table 1.3.4: Containment infrastructure**

Containment area/infrastructure	Material	Infrastructure requirements
Waste storage area	Greenwaste and Food waste as detailed in Table 1.3.1	Compacted in-situ clay-based laterite area, mixing shed.
Composting area		Concrete composting slabs graded to a leachate collection sump which is drained to the leachate dam.
Liquid waste storage tanks	Liquid waste as detailed in Table 1.3.1	Above ground galvanised steel tanks.
Leachate dam	Contaminated stormwater and leachate	<ul style="list-style-type: none"> <li>1. Lined to achieve a permeability of less than 10<sup>-9</sup> m/s or equivalent;</li> <li>2. A minimum top of embankment freeboard of 600 mm is maintained</li> <li>3. Capacity to store a 72 hour duration, 1 in 10 year ARI critical rainfall event without overflow.</li> </ul>

1.3.5 When compost or mulch does not comply with AS4454 or AS4419, it shall only be delivered to a premises appropriately licenced to accept that waste under Part V of the Act.





## 2 Emissions

### 2.1 General

- 2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit or target specified in any part of section 2 of this Licence.

### 2.2 Point source emissions to air

There are no specific conditions relating to point source emissions to air

### 2.3 Point source emissions to surface water

There are no specific conditions relating to point source emissions to surface water

### 2.4 Point source emissions to groundwater

There are no specific conditions relating to point source emissions to groundwater

### 2.5 Emissions to land

There are no specified conditions relating to emissions to land in this section.

### 2.6 Fugitive emissions

- 2.6.1 The Licensee shall use all reasonable and practical measures to prevent and where that is not practicable to minimise dust emissions from the Premises.
- 2.6.2 The Licensee shall ensure that no visible dust generated by the activities of the Premises crosses the boundary of the Premises.
- 2.6.3 The licensee shall maintain a sufficient volume of water onsite for the purposes of dust suppression.

### 2.7 Odour

- 2.7.1 The Licensee shall ensure that odour emitted from the Premises does not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person who is not on the Premises.
- 2.7.2 The Licensee shall not cause or allow odour emissions greater than the limits listed in Table 2.7.1.

**Table 2.7.1: Biofilter source odour emission limits**

Emission reference as marked in Schedule 1	Parameter	Limit (including units)	Averaging period
BIO	odour	500 ou	Spot test

- 2.7.3 The Licensee shall take all practical measures to ensure that the process control parameters in Table 2.7.2 comply with the relevant requirement in that table.



**Table 2.7.2: Process controls for odour emissions**

Parameter	Requirement	Averaging period
Biofilter Air inlet Relative Humidity	> 85%	Continuous
Biofilter air inlet Temperature	< 40°C	Continuous
Biofilter Backpressure	< 3kPa	Continuous
Biofilter volumetric Airflow	< 15,000 Nm <sup>3</sup> .h <sup>-1</sup>	Continuous

2.7.4 The Licensee shall take the relevant management action in the case of an event in Table 2.7.3

**Table 2.7.3: Management actions**

Emission reference as marked in Schedule 1	Event/ action reference	Event	Management action
BIO	EA1	Biofilter failure.	Cease to mix waste for composting and cease creating new windrows.
BIO	EA2	Exceedance of limit defined in Tables 2.7.1.	Investigate exceedance, inspect biofilter working conditions as specified in section 3.1.5 of the management plan prescribed in condition 2.7.7

2.7.5 Following the cessation of operation under condition 2.7.4, the Licensee shall not restart operation of the process until:

- (a) the problem that caused the exemption event has been rectified; or
- (b) the Licensee records the actions taken to maintain compliance with the Licence until the problem causing the exemption event has been rectified.

2.7.6 A humidification system shall be installed and maintained at the inlet of the biofilter in order to humidify the air entering the biofilter at the minimum level specified in Table 2.7.2.

2.7.7 The licensee shall operate the biofilters in accordance with the document *Purearth Woottating Facility – Biofilter Management Plan V2* submitted to DER on 19 December 2014.

## 2.8 Noise

There are no specified conditions relating to noise in this section.



## 3 Monitoring

### 3.1 General monitoring

3.1.1 The licensee shall ensure that:

- (a) all compost samples are collected and preserved in accordance with AS 4454;
- (b) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
- (c) AS/NZS 5667.6 or AS/NZS 5667.9 as relevant;
- (d) all groundwater sampling is conducted in accordance with AS/NZS 5667.11;
- (e) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.

3.1.2 The Licensee shall ensure that: six monthly monitoring is undertaken at least 5 months apart; and quarterly monitoring is undertaken at least 45 days apart.

3.1.3 The Licensee shall have all monitoring equipment referred to in any condition of the Licence calibrated in accordance with the manufacturer's specifications, the requirements of the Licence and any relevant Australian standard.

3.1.4 The Licensee shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the Director accompanied with a report comprising details of any modifications to the methods.

### 3.2 Monitoring of point source emissions to air

There are no specified conditions relating to monitoring of point source emissions to air in this section.

### 3.3 Monitoring of point source emissions to surface water

There are no specified conditions relating to monitoring of point source emissions to surface water in this section.

### 3.4 Monitoring of point source emissions to groundwater

There are no specified conditions relating to monitoring of point source emissions to groundwater in this section.

### 3.5 Monitoring of emissions to land

There are no specified conditions relating to monitoring of emissions to land in this section.

### 3.6 Monitoring of odour emissions

3.6.1 The Licensee shall undertake the monitoring in Table 3.6.1 according to the specifications in that table.



Table 3.6.1: Monitoring of odour emissions				
Emission reference as marked in Schedule 1	Parameter	Units	Frequency <sup>(2)</sup>	Method
BIO	Air volumetric flow rate	Nm <sup>3</sup> /s <sup>(1)</sup>	Quarterly the first year and then six monthly	USEPA Method 2
	Odour concentration	ou		ASZ 4323.3.2001
	Temperature	°C		None specified
	Pressure	kPa		None specified
	Relative humidity	%		None specified

Note 1: referenced to STP dry

Note 2: Monitoring shall be undertaken to reflect normal operating conditions and any limits or conditions on inputs or production.

### 3.7 Monitoring of inputs and outputs

3.7.1 The Licensee shall undertake the monitoring specified in Table 3.7.1.

Table 3.7.1: Monitoring of inputs and outputs				
Input/Output	Parameter	Units	Averaging period	Frequency
Mass of each input listed in Table 1.3.1	Waste type as detailed in Table 1.3.1	Tonnes	One year	Each load arriving at the Premises
Waste or product leaving the premises	Waste and products	Tonnes	One year	Each load leaving the Premises

### 3.8 Process monitoring

3.8.1 The Licensee shall undertake the monitoring in Table 3.8.1 according to the specifications in that table.

Table 3.8.1: Process monitoring					
Monitoring point reference	Process description	Parameter	Units	Frequency	Method
Compost windrows	Composting	Temperature	°C	Twice daily	Representative samples of windrow condition
		Relative humidity	%	Twice daily	Representative samples of windrow condition
		Pressure drop	%	Twice daily	Representative samples of windrow condition



### 3.9 Ambient environmental quality monitoring

3.9.1 The Licensee shall undertake the monitoring specified in Table 3.9.1 and record and investigate the exceedance of any limit specified.

Table 3.9.1 Ambient Groundwater Monitoring				
Monitoring point reference	Parameter	Units	Averaging period	Frequency
Bore No 1, Bore No 2, Bore No 3 as marked in Schedule 1	Standing water level	m(AHD)	Spot sample	Six monthly
	pH	pH units	Spot sample	Six monthly
	Total Dissolved Solids (TDS)	µS/cm	Spot sample	Six monthly
	Ammonium - N	mg/L	Spot sample	Six monthly
	Total Kjeldahl - N	mg/L	Spot sample	Six monthly
	Total oxidised - N	mg/L	Spot sample	Six monthly
	Soluble phosphorus	mg/L	Spot sample	Six monthly
	ORP	mv	Spot sample	Six monthly

### 3.10 Meteorological monitoring

There are no specified conditions relating to meteorological monitoring in this section.

## 4 Improvements

4.1.1 The Licensee shall complete the improvements in Table 4.1.1 by the date of completion in Table 4.1.1.

Table 4.1.1: Improvement program		
Improvement reference	Improvement	Date of completion
IR1	The Licensee shall submit to the CEO a Liquid Waste Acceptance Plan that details: <ul style="list-style-type: none"><li>• Specification, including contaminant thresholds, of liquid wastes suitable for composting at the premises;</li><li>• Details of the sampling and testing program (including rate/frequency, suite of analytes, methods) that will be applied to incoming liquid wastes to determine whether they conform to specification;</li><li>• Management actions in the event liquid waste which does not meet specification.</li></ul>	1 Calendar Month from the issue of the licence
IR2	The Licensee shall submit to the CEO an updated groundwater sampling and analysis plan for the Premises which: <ul style="list-style-type: none"><li>(i) includes a sufficient number of groundwater monitoring bores which are appropriately located and installed to capture potential impacts arising from site activities, including the composting area and leachate dam;</li><li>(ii) includes an updated assessment of groundwater flow directions; and</li><li>(iii) clearly identifies monitoring bores proposed to monitor background groundwater quality and monitoring bores proposed to capture down-gradient impacts.</li></ul>	3 Calendar Months from the issue of the licence



## 5 Information

### 5.1 Records

- 5.1.1 All information and records required by the Licence shall:
- (a) be legible;
  - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
  - (c) except for records listed in 5.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
  - (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
    - (i) off-site environmental effects; or
    - (ii) matters which affect the condition of the land or waters.
- 5.1.2 The Licensee shall ensure that:
- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
  - (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.
- 5.1.3 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.
- 5.1.4 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

### 5.2 Reporting

- 5.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 28 calendar days after the end of the annual period. The report shall contain the information listed in Table 5.2.1 in the format or form specified in that table.

Table 5.2.1: Annual environmental report		
Condition or table (if relevant)	Parameter	Format or form <sup>1</sup>
	Summary of any failure or malfunction of any pollution control equipment or any incidents that have occurred during the year and any action taken	None specified
5.1.3	Compliance	AACR
5.1.4	Complaints summary	None specified
Table 1.3.1	Acceptance receipts of all waste categories identified in table 1.3.1.	
Table 2.7.1	Limit exceedances	N1
Table 3.6.1	Odour Unit emissions and biofilter parameters	None Specified
Table 3.7.1	Inputs and outputs	None specified
Table 3.8.1	Process monitoring	None specified
Table 3.9.1	Groundwater monitoring	None specified

Note 1: Forms are in Schedule 2





- 5.2.2 The Licensee shall ensure that the annual environmental report also contains:
- (a) an assessment of the information contained within the report against previous monitoring results and Licence limits and/or targets; and
  - (b) a list of any original monitoring reports submitted to the Licensee from third parties in the reporting period and make these reports available on request.

### 5.3 Notification

- 5.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the Director at the Contact Address and in accordance with the notification requirements of the table.

Table 5.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement <sup>1</sup>	Format or form <sup>2</sup>
3.1.5	Calibration report	As soon as practicable.	None specified
-	Fire at the premises	As soon as practicable	None specified
2.7.2	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5PM of the next usual working day.  Part B: As soon as practicable	N1
	Any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution		

Note 1: No notification requirement in the Licence shall negate the requirement to comply with s72 of the Act.

Note 2: Forms are in Schedule 2



## Schedule 1: Maps

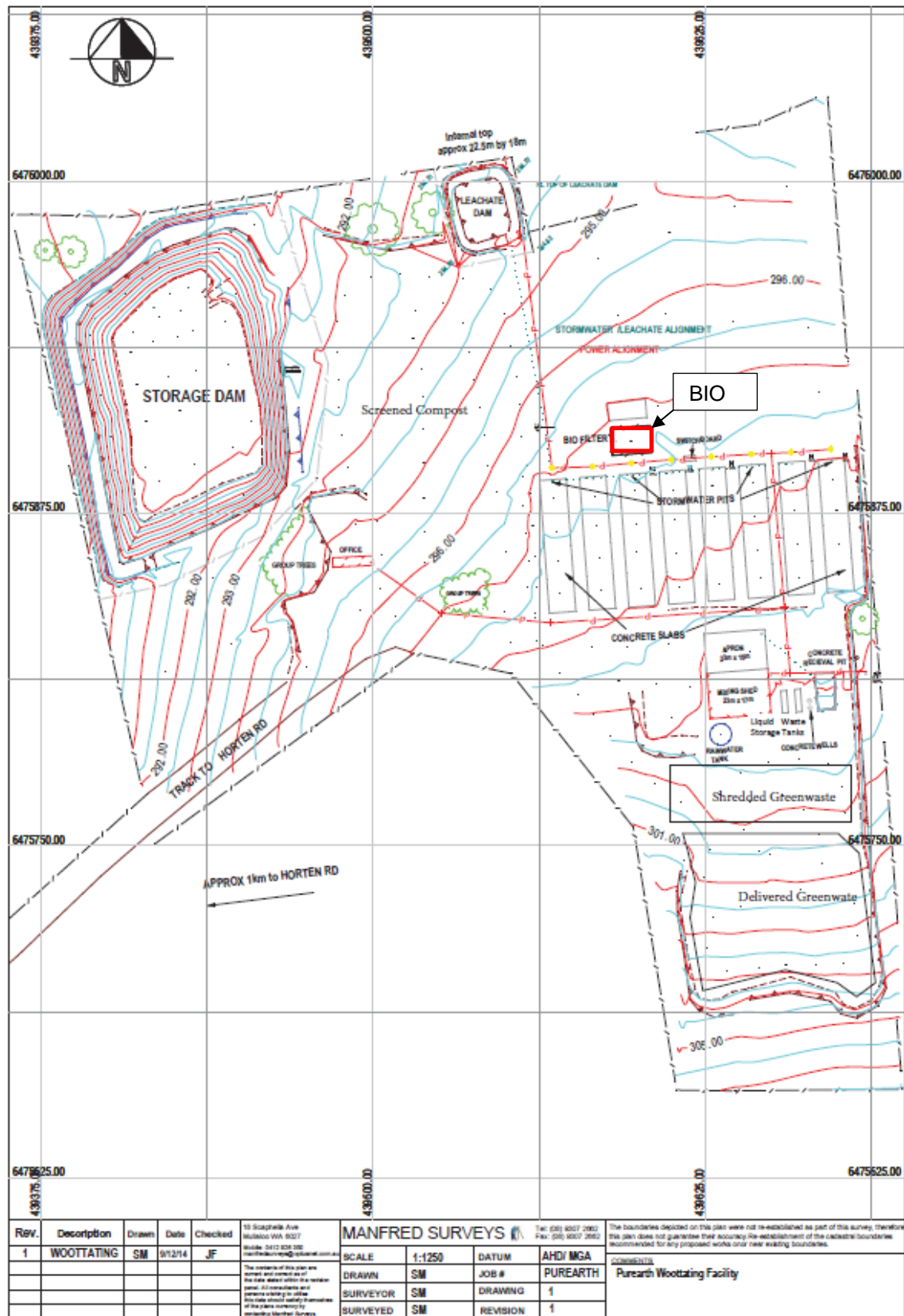
### Premises map

The Premises is shown in the maps below. The red line depicts the Premises boundary.



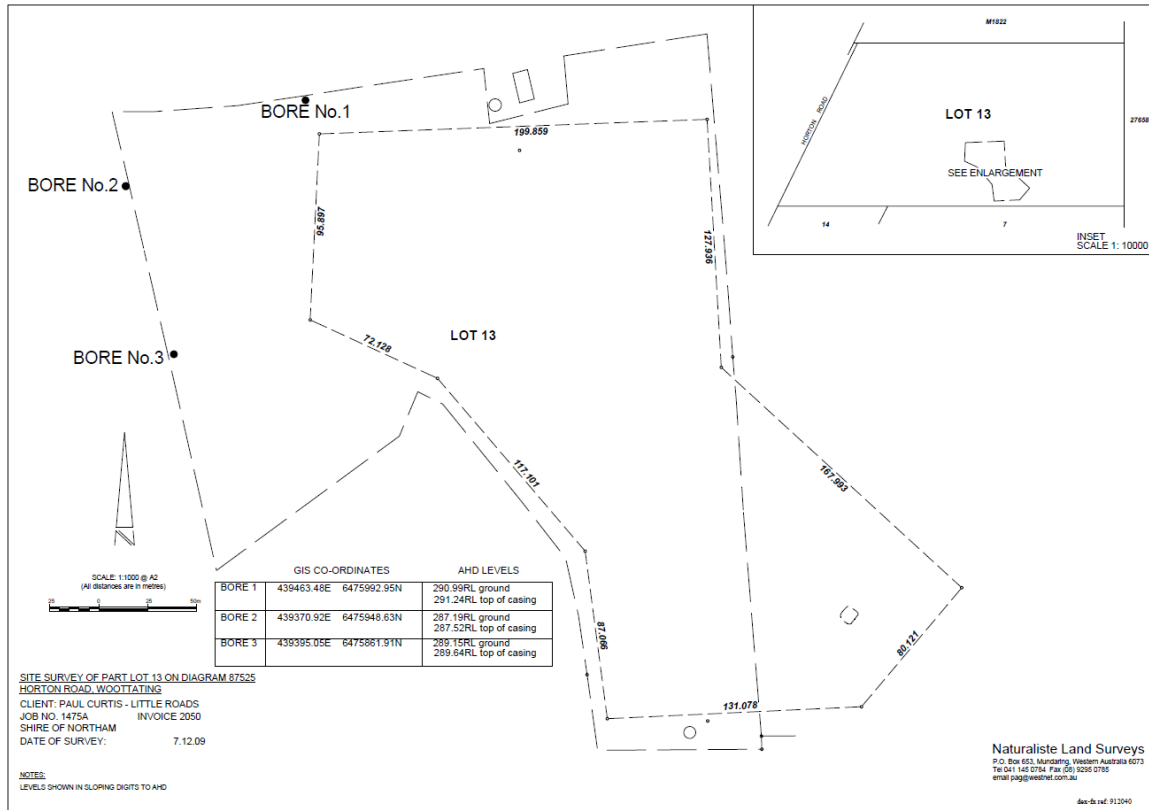


Map of Premises Operations





## Bore locations





## Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

---

### ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

#### SECTION A LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name: Trading as:	ABN:
Reporting period: _____ to _____	

#### STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of the Licence complied with within the reporting period? (please tick the appropriate box)

Yes ☐ Please proceed to Section C

No ☐ Please proceed to Section B

Each page must be initialled by the person(s) who signs Section C of this Annual Audit Compliance Report (AACR).

Initial:



## SECTION B

### DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

Please use a separate page for each Licence condition that was not complied with.

a) Licence condition not complied with:	
b) Date(s) when the non-compliance occurred, if applicable:	
c) Was this non-compliance reported to DER?:	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DER verbally Date _____ <input type="checkbox"/> Reported to DER in writing Date _____	<input type="checkbox"/> No
d) Has DER taken, or finalised any action in relation to the non-compliance?:	
e) Summary of particulars of the non-compliance, and what was the environmental impact:	
f) If relevant, the precise location where the non-compliance occurred (attach map or diagram):	
g) Cause of non-compliance:	
h) Action taken, or that will be taken to mitigate any adverse effects of the non-compliance:	
i) Action taken or that will be taken to prevent recurrence of the non-compliance:	

Each page must be initialled by the person(s) who signs Section C of this AACR

Initial:





## SECTION C

### SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report (AACR) may only be signed by a person(s) with legal authority to sign it. The ways in which the AACR must be signed and certified, and the people who may sign the statement, are set out below.

Please tick the box next to the category that describes how this AACR is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

If the licence holder is		The Annual Audit Compliance Report must be signed and certified:
An individual	<input type="checkbox"/> <input type="checkbox"/>	by the individual licence holder, or by a person approved in writing by the Chief Executive Officer of the Department of Environment Regulation to sign on the licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A corporation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	by affixing the common seal of the licensee in accordance with the <i>Corporations Act 2001</i> ; or by two directors of the licensee; or by a director and a company secretary of the licensee, or if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A public authority (other than a local government)	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the chief executive officer of the licensee; or by affixing the seal of the local government.

It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.

I/We declare that the information in this annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE: \_\_\_\_\_

NAME:  
(printed) \_\_\_\_\_

POSITION: \_\_\_\_\_

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

SEAL (if signing under seal)

SIGNATURE: \_\_\_\_\_

NAME:  
(printed) \_\_\_\_\_

POSITION: \_\_\_\_\_

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_



Licence: L8769/2013/1  
Form: N1

Licensee: River Nominees Pty Ltd  
Date of breach:

**Notification of detection of the breach of a limit or any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.**

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

## Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

### Notification requirements for the breach of a limit

Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

### Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution

Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken , or intended to be taken, to stop any emission	
Description of the failure or accident	



## Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of River Nominees Pty Ltd	
Date	



# Decision Document

## *Environmental Protection Act 1986, Part V*

---

**Proponent:** River Nominees Pty Ltd

**Licence:** L8769/2013/1

---

**Registered office:** Level 4  
35 – 37 Havelock Street  
WEST PERTH WA 6005

**ACN:** 109 054 239

**Premises address:** Purearth Woottating Facility  
324 Horton Road  
WOOTTATING WA 6562  
Being Lot 13 on Diagram 87525

**Issue date:** Wednesday, 4 March 2015

**Commencement date:** Wednesday, 4 March 2015

**Expiry date:** Saturday, 3 March 2018

### Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue an amended licence. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by: Lauren Fox  
Licensing Officer

Decision Document authorised by: Rebecca Kelly  
Delegated Officer



## Contents

Decision Document	1
Contents	2
1 Purpose of this Document	2
2 Administrative summary	3
3 Executive summary of proposal and assessment	4
4 Decision table	5
5 Advertisement and consultation table	7
6 Risk Assessment	8

## 1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.



## 2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input checked="" type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	<b>Category number(s)</b>	<b>Assessed design capacity</b>
	61	7,100 tonnes per annum
	67A	58,000 tonnes per annum
Application verified	Date: N/A	
Application fee paid	Date: N/A	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i> )?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		





### 3 Executive summary of proposal and assessment

River Nominees Pty Ltd trading as Purearth, operates an organic waste composting facility known as the Purearth Woottating Facility on a property located at Lot 13 on Diagram 87525, having street address 324 Horton Road, Woottating, Western Australia (WA). The operation covers 6 hectares of the 133 ha property that is agricultural land and has been used for grazing cattle in the past.

The composting operations use technology comprising of forced aeration for covered and uncovered compost windrows. The facility mixes a range of liquid wastes with the composting solids in a mixing shed before waste is placed in windrows for composting. Air is pulled through the windrows by fans and directed to a biofilter.

The proponent lodged an application with the EPA to be assessed under part IV of the Environmental Protection Act 1986 (EP Act) on 19 March 2012. The EPA advised the proposal would not require assessment on 14 May 2012.

Purearth has undertaken community consultation with local residents, the Shires of Northam and Mundaring and a local action group.

In accordance with the Minister for Environment's appeal determination dated 3 August 2015, this licence is for the amendment of the following:

- 'Approved Premises production or design capacity' from 2,100 to 7,100 tonnes per annum to reflect the design capacity approved under Works Approval W5441/2013/1;
- Amendments of conditions relating to the greenwaste storage area, specifically changing the requirement of storage on a 'hardstand area' to a 'compacted in-situ clay-based laterite area'. The definition of 'hardstand' has been removed from the licence.
- Table 1.3.4 has also been amended for the liquid waste storage tanks containment infrastructure of 'fibreglass lined storage tanks' to 'above ground galvanised steel tanks'.

A minor change that was raised during the appeal process was the name of the facility which has been corrected under this amendment. No amendments cited in the appeals process have been made.



## 4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Premises operation	L1.3.3 and L1.3.4	<p>In accordance with the Minister's Appeal Determination dated 5 August 2015 and section 110 of the <i>Environmental Protection Act 1986</i>, the following amendments have been processed:</p> <ul style="list-style-type: none"><li>Table 1.3.3 (condition 1.3.3) – 'Process requirements' for greenwaste, section iv), has been amended to "Greenwaste shall be stored on the compacted in-situ clay-based laterite area". The previous licence required greenwaste to be stored on a hardstand.</li><li>Table 1.3.4 (condition 1.3.4) – 'Infrastructure requirements', waste storage area has been amended to "Compacted in-situ clay-based laterite area, mixing shed". The previous licence referred to a hardstand area.</li><li>Table 1.3.4 (condition 1.3.4) – 'Infrastructure requirements', liquid waste storage tanks have been amended to "Above ground galvanised steel tanks." The previous licence required liquid waste to be storage in fibreglass lined tanks.</li></ul>	Minister's Appeal Determination dated 5 August 2015
Other	N/A	<ul style="list-style-type: none"><li>In accordance with the Minister's Appeal Determination, the 'Approved premises production or design capacity' for prescribed premises category 61 (liquid waste facility) on page 1 of the licence has been amended from 2,100 tonnes per annum to 7,100 tonnes per annum.</li><li>The definition of 'hardstand' has been removed from the licence.</li></ul>	Minister's Appeal Determination dated 5 August 2015



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Other continued		<ul style="list-style-type: none"><li>• The definition of CEO for the purpose of correspondence has been amended to reflect updated contact details.</li><li>• The name of the premises (on page 3 of the licence) has been changed to the correct name of 'Purearth Woottating Facility'.</li></ul>	



## 5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
14/08/2015	Proponent sent a copy of draft instrument	No comments received	N/A



## 6 Risk Assessment

*Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management*

**Table 1: Emissions Risk Matrix**

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High