



Environment Protection Licence

Licence - 5955

<u>Licence Details</u>	
Number:	5955
Anniversary Date:	01-August

<u>Licensee</u>
CENTRAL COAST COUNCIL
PO BOX 20
WYONG NSW 2259

<u>Premises</u>
BUTTONDERRY WASTE MANAGEMENT FACILITY
HUE HUE ROAD
WARNERVALE NSW 2259

<u>Scheduled Activity</u>
Resource recovery
Waste disposal (application to land)
Waste storage

<u>Fee Based Activity</u>	<u>Scale</u>
Recovery of general waste	Any general waste recovered
Waste disposal by application to land	Any capacity
Waste storage - other types of waste	Any other types of waste stored

<u>Region</u>
Regional Waste Compliance
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Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

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The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

CENTRAL COAST COUNCIL
PO BOX 20
WYONG NSW 2259

subject to the conditions which follow.

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1 Administrative Conditions

A1 What the licence authorises and regulates

- A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Resource recovery	Recovery of general waste	Any general waste recovered
Waste disposal (application to land)	Waste disposal by application to land	Any capacity
Waste storage	Waste storage - other types of waste	Any other types of waste stored

A2 Premises or plant to which this licence applies

- A2.1 The licence applies to the following premises:

Premises Details
BUTTONDERRY WASTE MANAGEMENT FACILITY
HUE HUE ROAD
WARNERVALE
NSW 2259
LOT 59 DP 755271, LOT 68 DP 755271, LOT 153 DP 755271, PART LOT 169 DP 755271, PART LOT 1 DP 822126
AS SHOWN ON THE PLAN "BUTTONDERRY WASTE MANAGEMENT FACILITY, GREEN WASTE RECYCLING SITE LOCATION" RECEIVED ON 22/9/2003, AND EXCLUDING THAT PART OF BUTTONDERRY WASTE MANAGEMENT FACILITY MARKED AS "ADDITIONAL AREA" ON THE MAP TITLED "PLAN OF EXISTING GREENWASTE FACILITY AND PROPOSED ADDITIONAL 1 HA AT BUTTONDERRY WASTE MANAGEMENT FACILITY, JILLIBY" , DATED 23/2/07 AND RECEIVED ON 20 APRIL 2007 AND EXCLUDING THE FACILITY AREA INDICATED AS 'POWER STATION' ON LMS ENERGY DRAWING NO. 20040-GA-011 DATED 19/03/2012

A3 Information supplied to the EPA

- A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

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In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

- A3.2 a) The "Buttonderry Landfill Hue Hue Road, Buttonderry, Landfill Environmental Management Plan (LEMP)", Report No. E2039/4-AE dated April 1998 and prepared by Coffey Partners International Pty Ltd, hereafter referred to as "the LEMP", is not to be taken as part of the documentation in A4.1, other than those parts specifically referenced in this licence;
- b) The "Report for Buttonderry Waste Management facility – Cell 4.2B Construction Quality Assurance Report" dated September 2010 (revised) and prepared by GHD Consultants.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

- P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

<i>Air</i>			
EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
15	Surface gas monitoring		"Area 1" as shown on "Figure 2: Proposed gas monitoring locations" attached to letter dated 31 May 2000.
16	Surface gas monitoring		"Area 2" as shown on "Figure 2: Proposed gas monitoring locations" attached to letter dated 31 May 2000.
17	Surface gas monitoring		"Area 3" as shown on "Figure 2: Proposed gas monitoring locations" attached to letter dated 31 May 2000.
18	Surface gas monitoring		"Gatehouse", staff facilities and office, as shown on "Figure 2: Proposed gas monitoring locations" attached to letter dated 31 May 2000.

- P1.2 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

- P1.3 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

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Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Ambient water monitoring		Surface water monitoring point marked "BTU" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002.
2	Ambient water monitoring		Surface water monitoring point marked "BTM" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002.
3	Ambient water monitoring		Surface water monitoring point marked "BTD" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002.
4	Groundwater quality monitoring		Groundwater monitoring bore marked "BT20" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002 and on plan attached to licence variation application dated September 2008.
5	Groundwater quality monitoring		Groundwater monitoring bore marked "BT19" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002 and on plan attached to licence variation application dated September 2008.
6	Groundwater quality monitoring		Groundwater monitoring bore marked "BT17" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002 and on plan attached to licence variation application dated September 2008.
7	Groundwater quality monitoring		Groundwater monitoring bore marked "BT16" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002 and on plan attached to licence variation application dated September 2008.

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9	Groundwater quality monitoring		Groundwater monitoring bore marked "BT4" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002 and on plan attached to licence variation application dated September 2008.
11	Groundwater quality monitoring		Groundwater monitoring bore marked "BT3" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002 and on plan attached to licence variation application dated September 2008.
12	Groundwater quality monitoring		Groundwater monitoring bore marked "TB1" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002 and on plan attached to licence variation application dated September 2008.
13	Groundwater quality monitoring		Groundwater monitoring bore marked "TB2" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002 and on plan attached to licence variation application dated September 2008.
14	Groundwater quality monitoring		Groundwater monitoring bore marked "B" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002 and on plan attached to licence variation application dated September 2008.
19	Discharge to waters Discharge quality and volume monitoring	Discharge to waters Discharge quality and volume monitoring	Stormwater discharge shown as "Discharge Point 1" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002.
20	Discharge to waters Discharge quality and volume monitoring	Discharge to waters Discharge quality and volume monitoring	Stormwater discharge shown as "Discharge Point 2" on plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002.
21	Discharge to waters Discharge quality and volume monitoring	Discharge to waters Discharge quality and volume monitoring	Stormwater discharge shown as "Proposed Discharge Point #3" on plan attached to licence variation application dated 23/12/05.

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22	Groundwater quality monitoring	Groundwater monitoring bore marked "101S" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
23	Groundwater quality monitoring	Groundwater monitoring bore marked "102S" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
24	Groundwater quality monitoring	Groundwater monitoring bore marked "103D" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
25	Groundwater quality monitoring	Groundwater monitoring bore marked "104S" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
26	Groundwater quality monitoring	Groundwater monitoring bore marked "105S" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
27	Groundwater quality monitoring	Groundwater monitoring bore marked "106S" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
28	Groundwater quality monitoring	Groundwater monitoring bore marked "107S" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
29	Groundwater quality monitoring	Groundwater monitoring bore marked "108S" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
30	Groundwater quality monitoring	Groundwater monitoring bore marked "707"

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31	Groundwater quality monitoring	Groundwater monitoring bore marked "110D" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
32	Groundwater quality monitoring	Groundwater monitoring bore marked "111S" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
33	Groundwater quality monitoring	Groundwater monitoring bore marked "112D" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.
34	Groundwater quality monitoring	Groundwater monitoring bore marked "113S" on plan attached to licence variation application titled "Environmental Monitoring Buttonderry Landfill" dated September 2008.

3 Limit Conditions

L1 Pollution of waters

- L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

L2 Concentration limits

- L2.1 For each monitoring/discharge point or utilisation area specified in the table\ below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.
- L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.
- L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\.
- L2.4 Water and/or Land Concentration Limits

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POINT 19,20,21

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
pH	pH	-	-	-	6.5-8.5
Total suspended solids	milligrams per litre	-	-	-	50

L2.5 Exceedance of the concentration limit specified in Condition L2.4 of this licence for the discharge of TSS from the sediment basins identified in Condition P1.3 of this licence is permitted if:

(a) The discharge occurs solely as a result of a wet weather overflow occurring due to stormwater events greater than or equal to a 90th percentile 5 day rainfall duration.

(b) The sediment basins and other erosion and sediment controls on the site have been designed, constructed, installed, maintained and managed in accordance with best management principles and practices described in the guideline "Managing Urban Stormwater – Soils and Construction – Volume 1, 4th edition, 2004" produced by the NSW Department of Housing.

L3 Waste

L3.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below.

Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below.

Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below.

This condition does not limit any other conditions in this licence.

Code	Waste	Description	Activity	Other Limits
NA	General solid waste (non-putrescible)	Waste Glass (Primary Sorted)	Waste storage	Not to exceed 3,000 tonnes at any time
NA	General solid waste (putrescible)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste disposal (application to land)	Total tonnage disposed of must not exceed 140,000 tonnes/per annum
NA	General solid waste (non-putrescible)	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste disposal (application to land)	Total tonnage disposed of must not exceed

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				140,000 tonnes/per annum
NA	Asbestos waste	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste disposal (application to land)	Total tonnage disposed of must not exceed 140,000 tonnes/per annum
NA	Waste tyres	As defined in Schedule 1 of the POEO Act, in force from time to time	Waste disposal (application to land)	Total tonnage disposed of must not exceed 140,000 tonnes/per annum

L3.2 The total quantity of used, rejected or unwanted tyres (including shredded tyres and tyre pieces) stockpiled at the premises must not exceed 50 tonnes.

L3.3 The licensee must not dispose of any tyre at the premises unless:

- a) the tyre has a diameter of 1.2 metres or more; or
- b) the tyre has been shredded or had its walls removed as defined in (d); or
- c) the tyre was delivered to the premises as part of a domestic load as defined by (e).

d) tyres are taken to be shredded only if the tyres are in pieces measuring no more than 250mm in any direction.

e) domestic loads means a load containing no more than 5 tyres having a diameter of less than 1.2 metres.

L4 Noise limits

L4.1 Noise from the premises must not exceed:

- a) an LA10 (15 minute) noise emission criterion of 45 dB(A) (7am to 6pm) Monday to Friday and 7am to 1pm Saturday ; and
- b) an LA10 (15 minute) noise emission criterion of 45 dB(A) during the evening (6pm to 10pm) Monday to Friday; and
- c) at all other times, an LA10 (15 minutes) noise emission criterion of 35 dB(A), except as expressly provided by this licence.

L4.2 Noise from the premises is to be measured or computed at the most noise-affected point at any point within six metres of the most affected receiver to determine compliance with this condition.

Noise Measurement:

For the purpose of noise measures required for this condition, the LAeq noise level must be measured or computed for the required period (ie, 15 minutes or full day, evening or night) using "FAST" response on the sound level meter.

For the purpose of the noise limits for this condition, 5 dB(A) must be added to the measured level if the noise is substantially tonal, impulsive, intermittent or low frequency in nature. Where two or more of these

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characteristics are present the maximum addition to the measured noise level is limited to 10dB(A).

L5 Potentially offensive odour

L5.1 The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

4 Operating Conditions

O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.

This includes:

- a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
- b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:

- a) must be maintained in a proper and efficient condition; and
- b) must be operated in a proper and efficient manner.

O2.2 All sediment and leachate ponds at the premises must be maintained to ensure that their design capacity is available for the storage of stormwater and leachate respectively.

O3 Dust

O3.1 All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of dust from the premises.

O3.2 Activities occurring in or on the premises must be carried out in a manner that will minimise the generation, or emission from the premises, of wind-blown or traffic generated dust.

O4 Emergency response

O4.1 The licensee must have in place and implement and implement procedures to minimise the risk of fire at

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the premises.

O4.2 The licensee must extinguish fires at the premises as soon as possible.

O4.3 The Licensee must ensure that all staff at the Premises have adequate training and knowledge of the Emergency Response Policies and Procedures.

O4.4 The licensee must maintain, and implement as necessary, a current emergency response plan for the premises. The licensee must keep the emergency response plan on the premises at all times. The emergency response plan must document systems and procedures to deal with all types of incidents (e.g. spills, explosions or fire) that may occur at the premises or that may be associated with activities that occur at the premises and which are likely to cause harm to the environment. If a current emergency response plan does not exist at the date on which this condition is attached to the licence, the licensee must develop an emergency response plan within three months of that date.

O5 Processes and management

O5.1 The licensee must conduct a maintenance programme for all groundwater monitoring bores to ensure sampling capacity and sampling integrity is maintained. The maintenance must include flushing of wells, adequate tagging and visual inspections.

O5.2 The licensee must take all practicable steps to control entry to the premises.

O5.3 The licensee must ensure that adequately trained staff are available at the premises in order to administer the requirements of this licence.

O6 Waste management

O6.1 Waste which is to be landfilled at the premises must be deposited within landfill cells 4.1 4.2A, 4.2B and 4.3 only.

Note: Landfill Cells 4.2A and 4.2B are depicted as Active Landfill Cell 4.2A and Proposed landfill Cell 4.2B respectively, in diagram titled Wyong Shire Council, Existing Site Layout, Drawing No. 21-18366-C002 dated 29.11.09 by GHD Pty Ltd.

Landfill Cell 4.3 is as depicted in diagram titled Wyong Shire Council, General Arrangement Plan, Drawing No. 22-16045-C103 dated 28.08.13 by GHD Pty Ltd

O6.2 The licensee must ensure that stockpiles of used, rejected or unwanted tyres (including shredded tyres and tyre pieces) are located in a clearly defined area.

O6.3 Surface drainage must be diverted away from any area where waste is being or has been landfilled.

O6.4 Leachate impounded in the surface leachate storage ponds and leachate collected by the subsurface

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leachate collection system may be irrigated on and/or reinjected and recirculated in the following utilisation area(s):

Areas 1, 2 and 3 as shown on the plan titled "Environmental Monitoring Buttonderry Landfill" dated February 2002, and subsequent areas, suitably prepared for irrigation/reinjection and recirculation.

- O6.5 The volume of leachate/stormwater directed to the utilisation area must not exceed the capacity of the area to assimilate the leachate/stormwater.
- O6.6 Cover material must be Virgin Excavated Natural Material (VENM) or Automatic Tarping System as specified in Licence Variation Application dated 20 January 2015.
- a) Daily cover
Cover material in the form of VENM must be applied over all exposed landfilled waste to a minimum depth of 15 centimetres prior to ceasing operations at the end of each day.
- b) Intermediate cover
Cover material must be applied to a depth of 30 centimetres over surfaces of the landfilled waste at the premises which are to be exposed for more than 90 days.
- c) Cover material stockpile
At least two weeks cover material must be available at the premises under all weather conditions. This material may be won on site, or alternatively a cover stockpile must be maintained adjacent to the tip face.
- O6.7 The licensee must ensure that the landfill cells are capped progressively during operations and specifically at times when the level of waste reaches final heights within each landfill cell.
- O6.8 Final capping for completed landfill cells must comprise five layers in order of installation: a seal bearing surface, a gas drainage layer, a sealing layer, an infiltration layer and the revegetation layer as specified in the EPA's "Environmental Guidelines: Solid Waste Landfills".
- O6.9 The last licensee must prepare and submit to the EPA within three months prior to the last load of waste being landfilled a closure plan in accordance with section 76 of the Protection of the Environment Operations Act 1997.
- Note: The licensee must obtain approval from the EPA prior to the construction of any new landfill cell at the premises.
- O6.10 The licensee must provide a report to the EPA which details the design, construction, operation and rehabilitation of any new landfill cell proposed to be constructed at the premises. This report must be submitted to the EPA at least six months before the licensee intends to construct the proposed new landfill cell. The report must also include details of a quality assurance / quality construction ("QA / QC") program which can demonstrate that the landfill cell was constructed to meet its design specifications.
- O6.11 The QA / QC report must detail the construction and design details of any new landfill cell, new sediment pond, or new leachate pond at the premises. This should include surveys and works as executed drawings, and results of a QA / QC program to verify that the cell and any sediment or leachate pond was constructed in accordance with its design.
- O6.12 Where the Licensee has proposed any amendment to the original design of any cell, construction of the relevant cell must not commence until the EPA has provided written approval of the amended design.
- O6.13 There must be no incineration or burning of any waste at the premises.

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- O6.14 The licensee must have in place and implement procedures to identify and prevent the disposal of any waste not permitted by this licence to be disposed of at the premises.
- O6.15 The licensee must ensure that measures are taken to prevent stockpiles of mattresses (including shredded mattresses and mattress flock) from catching on fire.
- O6.16 Any area(s) used for the storage of mattresses (including shredded mattresses and mattress flock) at the facility must:
- a) be surrounded by a fire break of at least six (6) metres width that is kept clear of all combustible material; and
 - b) be fenced or otherwise secured to prevent any unauthorised access to the mattresses and the fire break
- O6.17 The licensee must have adequate fire prevention measures in place, and ensure that facility personnel are able to access fire-fighting equipment and manage fire outbreaks at any mattress storing or processing areas.

5 Monitoring and Recording Conditions

M1 Monitoring records

- M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.
- M1.2 All records required to be kept by this licence must be:
- a) in a legible form, or in a form that can readily be reduced to a legible form;
 - b) kept for at least 4 years after the monitoring or event to which they relate took place; and
 - c) produced in a legible form to any authorised officer of the EPA who asks to see them.
- M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
- a) the date(s) on which the sample was taken;
 - b) the time(s) at which the sample was collected;
 - c) the point at which the sample was taken; and
 - d) the name of the person who collected the sample.

M2 Requirement to monitor concentration of pollutants discharged

- M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

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M2.2 Air Monitoring Requirements

POINT 15,16,17,18

Pollutant	Units of measure	Frequency	Sampling Method
Methane	percent by volume	Monthly	In situ

M2.3 Water and/ or Land Monitoring Requirements

POINT 1,2,3

Pollutant	Units of measure	Frequency	Sampling Method
Alkalinity (as calcium carbonate)	milligrams per litre	Quarterly	Grab sample
Aluminium	milligrams per litre	Yearly	Grab sample
Ammonia	milligrams per litre	Quarterly	Grab sample
Arsenic	milligrams per litre	Yearly	Grab sample
Barium	milligrams per litre	Yearly	Grab sample
Benzene	milligrams per litre	Yearly	Grab sample
Biochemical oxygen demand	milligrams per litre	Yearly	Grab sample
Cadmium	milligrams per litre	Yearly	Grab sample
Calcium	milligrams per litre	Yearly	Grab sample
Chloride	milligrams per litre	Yearly	Grab sample
Chlorinated volatile compounds	milligrams per litre	Yearly	Grab sample
Chromium (hexavalent)	milligrams per litre	Yearly	Grab sample
Chromium (total)	milligrams per litre	Yearly	Grab sample
Cobalt	milligrams per litre	Yearly	Grab sample
Conductivity	microsiemens per centimetre	Quarterly	Grab sample
Copper	milligrams per litre	Yearly	Grab sample
Ethyl benzene	milligrams per litre	Yearly	Grab sample
Fluoride	milligrams per litre	Yearly	Grab sample
Iron	milligrams per litre	Quarterly	Grab sample
Lead	milligrams per litre	Yearly	Grab sample
Magnesium	milligrams per litre	Yearly	Grab sample
Manganese	milligrams per litre	Yearly	Grab sample
Mercury	milligrams per litre	Yearly	Grab sample
Nitrate	milligrams per litre	Quarterly	Grab sample
Organochlorine pesticides	milligrams per litre	Yearly	Grab sample

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Organophosphate pesticides	milligrams per litre	Yearly	Grab sample
pH	pH	Quarterly	Grab sample
Phosphate	milligrams per litre	Yearly	Grab sample
Polychlorinated biphenyls	milligrams per litre	Yearly	Grab sample
Polycyclic aromatic hydrocarbons	milligrams per litre	Yearly	Grab sample
Potassium	milligrams per litre	Yearly	Grab sample
Sodium	milligrams per litre	Yearly	Grab sample
Sulfate	milligrams per litre	Yearly	Grab sample
Toluene	milligrams per litre	Yearly	Grab sample
Total dissolved solids	milligrams per litre	Yearly	Grab sample
Total organic carbon	milligrams per litre	Quarterly	Grab sample
Total petroleum hydrocarbons	milligrams per litre	Yearly	Grab sample
Total Phenolics	milligrams per litre	Yearly	Grab sample
Total suspended solids	milligrams per litre	Quarterly	Grab sample
Volatile halogenated compounds	milligrams per litre	Yearly	Grab sample
Volatile organic compounds	milligrams per litre	Yearly	Grab sample
Zinc	milligrams per litre	Yearly	Grab sample

POINT 4,5,6,7,9,11,12,13,14,22,23,24,25,26,27,28,29,30,31,32,33,34

Pollutant	Units of measure	Frequency	Sampling Method
Alkalinity (as calcium carbonate)	milligrams per litre	Quarterly	Grab sample
Aluminium	milligrams per litre	Yearly	Grab sample
Ammonia	milligrams per litre	Quarterly	Grab sample
Arsenic	milligrams per litre	Yearly	Grab sample
Barium	milligrams per litre	Yearly	Grab sample
Benzene	milligrams per litre	Yearly	Grab sample
Biochemical oxygen demand	milligrams per litre	Yearly	Grab sample
Cadmium	milligrams per litre	Yearly	Grab sample
Calcium	milligrams per litre	Yearly	Grab sample
Chloride	milligrams per litre	Yearly	Grab sample
Chlorinated volatile compounds	milligrams per litre	Yearly	Grab sample
Chromium (hexavalent)	milligrams per litre	Yearly	Grab sample
Chromium (total)	milligrams per litre	Yearly	Grab sample
Cobalt	milligrams per litre	Yearly	Grab sample
Conductivity	microsiemens per centimetre	Quarterly	Grab sample

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Copper	milligrams per litre	Yearly	Grab sample
Ethyl benzene	milligrams per litre	Yearly	Grab sample
Fluoride	milligrams per litre	Yearly	Grab sample
Iron	milligrams per litre	Quarterly	Grab sample
Lead	milligrams per litre	Yearly	Grab sample
Magnesium	milligrams per litre	Yearly	Grab sample
Manganese	milligrams per litre	Yearly	Grab sample
Mercury	milligrams per litre	Yearly	Grab sample
Nitrate	milligrams per litre	Quarterly	Grab sample
Organochlorine pesticides	milligrams per litre	Yearly	Grab sample
Organophosphate pesticides	milligrams per litre	Yearly	Grab sample
pH	pH	Quarterly	Grab sample
Phosphate	milligrams per litre	Yearly	Grab sample
Polychlorinated biphenyls	milligrams per litre	Yearly	Grab sample
Polycyclic aromatic hydrocarbons	milligrams per litre	Yearly	Grab sample
Potassium	milligrams per litre	Yearly	Grab sample
Sodium	milligrams per litre	Yearly	Grab sample
Sulfate	milligrams per litre	Yearly	Grab sample
Toluene	milligrams per litre	Yearly	Grab sample
Total dissolved solids	milligrams per litre	Yearly	Grab sample
Total organic carbon	milligrams per litre	Quarterly	Grab sample
Total petroleum hydrocarbons	milligrams per litre	Yearly	Grab sample
Total Phenolics	milligrams per litre	Yearly	Grab sample
Volatile halogenated compounds	milligrams per litre	Yearly	Grab sample
Volatile organic compounds	milligrams per litre	Yearly	Grab sample
Zinc	milligrams per litre	Yearly	Grab sample

POINT 19,20,21

Pollutant	Units of measure	Frequency	Sampling Method
pH	pH	Special Frequency 1	In situ
Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample

M2.4 For the purpose of licence condition number M2.3, Special Frequency 1 for monitoring point numbers 19,20 and 21 means sampling each of these monitoring points for the pollutant specified within the 24 hour period prior to a discharge event, and additionally daily sampling during uncontrolled discharges when it is safe and practical to do so.

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M3 Testing methods - concentration limits

- M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:
- a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
 - b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or
 - c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.
- M3.2 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

Note: The *Protection of the Environment Operations (Clean Air) Regulation 2010* requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".

M4 Recording of pollution complaints

- M4.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.
- M4.2 The record must include details of the following:
- a) the date and time of the complaint;
 - b) the method by which the complaint was made;
 - c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
 - d) the nature of the complaint;
 - e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
 - f) if no action was taken by the licensee, the reasons why no action was taken.
- M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.
- M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M5 Telephone complaints line

- M5.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

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M5.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M5.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

M6 Requirement to monitor volume or mass

M6.1 For each discharge point or utilisation area specified below, the licensee must monitor:

- a) the volume of liquids discharged to water or applied to the area;
- b) the mass of solids applied to the area;
- c) the mass of pollutants emitted to the air;

at the frequency and using the method and units of measure, specified below.

POINT 21,20,19

Frequency	Unit of Measure	Sampling Method
Daily during any discharge	kilolitres per day	By Calculation (volume flow rate or pump capacity multiplied by operating time)

M7 Other monitoring and recording conditions

M7.1 The licensee must monitor the remaining disposal capacity (in cubic metres) of the landfill.

6 Reporting Conditions

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

R1.3 Where this licence is transferred from the licensee to a new licensee:

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- a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
- b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

- R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:
- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
 - b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.
- R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').
- R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.
- R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
- a) the licence holder; or
 - b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R2 Notification of environmental harm

- R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.
- R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

R3 Written report

- R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
- a) where this licence applies to premises, an event has occurred at the premises; or
 - b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,

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and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

- R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.
- R3.3 The request may require a report which includes any or all of the following information:
- a) the cause, time and duration of the event;
 - b) the type, volume and concentration of every pollutant discharged as a result of the event;
 - c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
 - d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
 - e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
 - f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
 - g) any other relevant matters.
- R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

7 General Conditions

G1 Copy of licence kept at the premises or plant

- G1.1 A copy of this licence must be kept at the premises to which the licence applies.
- G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.
- G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Mr Grahame Clarke

Environment Protection Authority

(By Delegation)

Date of this edition: 29-September-2000

Environment Protection Licence

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End Notes

- 1 Licence varied by notice 1013423, issued on 01-Mar-2004, which came into effect on 26-Mar-2004.
- 2 Licence varied by notice 1041062, issued on 04-Nov-2004, which came into effect on 29-Nov-2004.
- 3 Licence varied by notice 1042852, issued on 22-Dec-2004, which came into effect on 16-Jan-2005.
- 4 Licence varied by notice 1047481, issued on 22-Aug-2005, which came into effect on 16-Sep-2005.
- 5 Licence varied by notice 1053845, issued on 06-Feb-2006, which came into effect on 03-Mar-2006.
- 6 Licence varied by correction to DEC Region, issued on 18-Jan-2007, which came into effect on 18-Jan-2007.
- 7 Licence varied by notice 1074340, issued on 03-Aug-2007, which came into effect on 03-Aug-2007.
- 8 Licence varied by notice 1076732, issued on 07-Aug-2007, which came into effect on 07-Aug-2007.
- 9 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 10 Licence varied by notice 1098181, issued on 20-Mar-2009, which came into effect on 20-Mar-2009.
- 11 Licence varied by notice 1105338, issued on 22-Oct-2009, which came into effect on 22-Oct-2009.
- 12 Licence varied by notice 1108112, issued on 15-Dec-2009, which came into effect on 15-Dec-2009.
- 13 Licence varied by Correction to EPA Region data record., issued on 25-Jun-2010, which came into effect on 25-Jun-2010.
- 14 Licence varied by notice 1119384, issued on 20-Sep-2010, which came into effect on 20-Sep-2010.
- 15 Licence varied by notice 1503858 issued on 23-May-2012
- 16 Licence varied by notice 1510952 issued on 26-Apr-2013
- 17 Licence varied by notice 1515393 issued on 27-Feb-2015
- 18 Licence varied by notice 1530085 issued on 23-Dec-2016
- 19 Licence transferred through application 1558569 approved on 09-Nov-2017 , which came into effect on 09-Nov-2017

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20	Licence varied by notice	1576553 issued on 26-Feb-2019
21	Licence fee period changed by notice	1580294 on 29-May-2019
22	Licence varied by notice	1583287 issued on 31-Jul-2019
23	Licence varied by notice	1586107 issued on 24-Oct-2019
24	Licence varied by notice	1587484 issued on 30-Oct-2019
25	Licence varied by notice	1589142 issued on 02-Dec-2019