

Environment Protection Licence

Licence - 5105



Licence Details

Number:	5105
Anniversary Date:	01-May

Licensee

SITA AUSTRALIA PTY LTD

LOCKED BAG 5015

KINGSGROVE DC NSW 2208

Premises

JACKS GULLY WASTE & RECYCLING CENTRE

275 RICHARDSON ROAD

SPRING FARM NSW 2570

Scheduled Activity

Composting

Waste Disposal (application to land)

Waste Storage

Fee Based Activity

Scale

Composting	> 5000-50000 T of organics received
Waste disposal by application to land	Any annual capacity
Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	> 0 T stored
Waste storage - other types of waste	> 0 T stored
Waste storage - waste tyres	> 0 T stored

Region

Waste & Resources - Waste Management

59-61 Goulburn Street

SYDNEY NSW 2000

Phone: (02) 9995 5000

Fax: (02) 9995 5999

PO Box A290 SYDNEY SOUTH

NSW 1232

Environment Protection Licence

Licence - 5105



INFORMATION ABOUT THIS LICENCE	4
Dictionary	4
Responsibilities of licensee	4
Duration of licence	4
Licence review	4
Fees and annual return to be sent to the EPA	4
Transfer of licence	5
Public register and access to monitoring data	5
1 ADMINISTRATIVE CONDITIONS	6
A1 What the licence authorises and regulates	6
A2 Premises or plant to which this licence applies	6
A3 Information supplied to the EPA	6
2 DISCHARGES TO AIR AND WATER AND APPLICATIONS TO LAND	7
P1 Location of monitoring/discharge points and areas	7
3 LIMIT CONDITIONS	9
L1 Pollution of waters	9
L2 Load limits	9
L3 Concentration limits	9
L4 Volume and mass limits	10
L5 Waste	10
L6 Noise limits	11
L7 Potentially offensive odour	11
4 OPERATING CONDITIONS	11
O1 Activities must be carried out in a competent manner	11
O2 Maintenance of plant and equipment	12
O3 Dust	12
O4 Processes and management	12
O5 Waste management	12
O6 Other operating conditions	14
5 MONITORING AND RECORDING CONDITIONS	15
M1 Monitoring records	15
M2 Requirement to monitor concentration of pollutants discharged	15
M3 Testing methods - concentration limits	17
M4 Weather monitoring	17

Environment Protection Licence

Licence - 5105



M5	Recording of pollution complaints	18
M6	Telephone complaints line	18
M7	Other monitoring and recording conditions	19
6	REPORTING CONDITIONS	19
R1	Annual return documents	19
R2	Notification of environmental harm	20
R3	Written report	20
R4	Other reporting conditions	21
7	GENERAL CONDITIONS	21
G1	Copy of licence kept at the premises or plant	21
8	SPECIAL CONDITIONS	21
E1	Alternative Daily Cover Trial	21
E2	Financial Assurance	22
E3	Environmental Obligations of Licensee (Works and Programs)	23
E4	EPA May Claim on Financial Assurance	23
DICTIONARY		24
	General Dictionary	24

Environment Protection Licence

Licence - 5105



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); and
- 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).

Environment Protection Licence

Licence - 5105



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:

SITA AUSTRALIA PTY LTD
LOCKED BAG 5015
KINGSGROVE DC NSW 2208

subject to the conditions which follow.

Environment Protection Licence

Licence - 5105



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
Composting	Composting	> 5000 - 50000 T of organics received
Waste Disposal (application to land)	Waste disposal by application to land	Any annual capacity
Waste Storage	Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste	> 0 T stored
Waste Storage	Waste storage - other types of waste	> 0 T stored
Waste Storage	Waste storage - waste tyres	> 0 T stored

A2 Premises or plant to which this licence applies

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

Premises Details
JACKS GULLY WASTE & RECYCLING CENTRE
275 RICHARDSON ROAD
SPRING FARM
NSW 2570
LOT 2 DP 1076817, LOT 33 DP 1096463, LOT 35 DP 1098588, LOT 21 DP 1125616, LOT 22 DP 1125616

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.

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

- 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
- the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

Environment Protection Licence

Licence - 5105



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
9	Subsurface gas monitoring		Subsurface gas monitoring bore labelled as "MB018" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0291610 N6227255.
10	Subsurface gas monitoring		Subsurface gas monitoring bore labelled as "MB019" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0291839 N6227354.
11	Subsurface gas monitoring		Subsurface gas monitoring bore labelled as "MB020" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0292106 N6227463.
12	Subsurface gas monitoring		Subsurface gas monitoring bore labelled as "MB021" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0292218 N6227011.

P1.2 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.

P1.3 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.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
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Environment Protection Licence

Licence - 5105



1	Groundwater quality monitoring	Groundwater monitoring bore labelled as "MB002" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0291812 N6227383.
2	Groundwater quality monitoring	Groundwater monitoring bore labelled as "MB003" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0291560 N6227021.
3	Groundwater quality monitoring	Groundwater monitoring bore labelled as "MB005" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0291611 N6227265.
5	Groundwater quality monitoring	Groundwater monitoring bore labelled as "MB012" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0291609 N6227263.
6	Groundwater quality monitoring	Groundwater monitoring bore labelled as "MB013" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0291615 N6227270.
7	Groundwater quality monitoring	Groundwater monitoring bore labelled as "MB016" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0292121 N6227466.
8	Groundwater quality monitoring	Groundwater monitoring bore labelled as "MB017" on map titled "WSN Environmental Solutions Jacks Gully" received on 25 August 2005 in response to DEC's email dated 01 August 2005. E0292218 N6227019.

Environment Protection Licence

Licence - 5105



13	Discharge to waters Overflow quality monitoring	Discharge to waters Overflow quality monitoring	Concrete riser at south west end of sediment dam depicted as "existing clean water discharge point" in drawing: No: 21-52646-SK002, WSN Environmental Solution, Jacks Gully Landfill, Soil and Water Management, Existing Plan, dated 27 October 2006.
14	Stormwater quality monitoring		Discharge from culvert under road at south western end of the facility, as depicted in drawing No: 21-152646-SK002, WSN Environmental Solution, Jacks Gully Landfill, Soil and Water Management, Existing Plan, dated 27 October 06. E0291504 N6226787

- P1.4 In relation to the location of discharge point EPA Identification No. 13 and monitoring point EPA Identification No. 14, identified in condition P1.3, the drawings depicting the discharge / monitoring points are as provided in the Jacks Gully Waste and Recycling Centre, Landfill Environmental Management Plan dated January 2007.

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 Load limits

- L2.1 Not applicable

L3 Concentration limits

- L3.1 For each monitoring/discharge point or utilisation area specified in the table\&s 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.
- L3.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.
- L3.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\&s.
- L3.4 Water and/or Land Concentration Limits

Environment Protection Licence

Licence - 5105



POINT 13

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Ammonia	milligrams per litre				0.9
pH	pH				6.5 - 8.5
TSS	milligrams per litre				50

L3.5 The licensee is taken not to have breached a concentration limit for TSS from Point 13 if:

- a) the discharge from point 13 occurs solely as a result of a rainfall event at the premises equal to or greater than 25mm in any five day period; and
- b) the licensee has taken all practical measures to avoid or minimise water pollution.

L4 Volume and mass limits

L4.1 Not applicable

L5 Waste

L5.1 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)	As defined in Schedule 1 of the POEO Act, as in force from time to time.	Composting Waste storage Waste disposal (application to land)	NA
NA	Asbestos waste	As defined in Schedule 1 of the POEO Act, as in force from time to time.	Waste storage Waste disposal (application to land)	NA

Environment Protection Licence

Licence - 5105



T140	Tyres	The tyre has a diameter of 1.2 metres or more; and/or the tyre has been shredded or had its walls removed; and/or the tyre was delivered to the premises as part of a domestic load. For the purposes of this description: · Tyres are taken to be shredded only if the tyres are in pieces measuring no more than 250mm in any direction; and · Domestic load means a load containing no more than 5 tyres having a diameter of less than 1.2 metres.	Waste storage Waste disposal (application to land)	Tyres stockpiled on the premises must not exceed fifty (50) tonnes of tyres at any one time.
NA	Waste	Any waste received on site that is below licensing thresholds in Schedule 1 of the POEO Act, as in force from time to time	-	NA

L6 Noise limits

L6.1 Not applicable

L7 Potentially offensive odour

L7.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the Protection of the Environment Operations Act 1997.

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.

Environment Protection Licence

Licence - 5105



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.

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.

O4 Processes and management

O4.1 The licensee must ensure that recycling facilities as much as practicable are provided for the following materials:

- a) Glass –clear, brown and green;
- b) Paper and cardboard;
- c) Concrete, bricks, roof tiles;
- d) Plastics;
- e) Batteries;
- f) Sump engine oil;
- g) Aluminium and steel cans; and
- h) Timber, firewood and garden waste.

O4.2 Recycling facilities at the premises must be clearly marked and be available for access by the public.

O4.3 The licensee must take all practicable steps to control entry to the premises.

O5 Waste management

Waste Tyres

O5.1 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.

O5.2 The licensee must ensure that stockpiles of used, rejected or unwanted tyres (including shredded tyres and tyre pieces) are managed so as not to cause or to be likely to cause the spread of disease by vermin.

Environment Protection Licence

Licence - 5105



- O5.3 The licensee must manage stockpiles of used, rejected or unwanted tyres (including shredded tyres and tyre pieces) so as to prevent tyres from catching on fire.

Waste Incineration

- O5.4 There must be no incineration or burning of any waste at the premises.

Daily Cover Requirements

- O5.5 Cover material must be
(a) Daily cover
Cover material must be either:
(i) virgin excavated natural material (VENM), or
(ii) approved alternative daily cover.

VENM cover material must be applied to a minimum depth of 15 centimetres over all exposed landfilled waste prior to ceasing operations at the end of each day.

(b) Intermediate cover

Cover material must be virgin excavated natural material and 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.

- O5.6 For the purpose of condition O5.5 (a (ii) the approved ADC is biodegradable plastic film ("Envirocover") to be applied in accordance with WSN Environmental Solutions letter dated 12 January 2006 (Ref:F2663) and 13 September 2006 (Ref:F0957).

Stockpiles on previously landfilled areas and waste exhumation

- O5.7 The licensee shall not stockpile waste on the capped areas of the landfill, with the following exemption:
a) Mixed timber & concrete construction & demolition material, where consistent with the other requirements of this licence.
- O5.8 The licensee must not carry on any activity that exposes previously landfilled waste at the premises, except as expressly permitted in writing by the EPA.

Leachate Management in Cell 2

- O5.9 Landfill leachate (other than treated leachate) must not be irrigated except as expressly permitted by a condition of this licence
- O5.10 The licensee may reinject or store leachate in Cell 2 for temporary periods during extreme rainfall events. ReInjection or storage must not commence until the height of waste in the cell has reached 4m.

Environment Protection Licence

Licence - 5105



O5.11 The level of leachate above the lowest point of the floor in Cell 2 must not generally exceed 300mm.

O5.12 The licensee must notify the EPA as soon as practicable should the level of leachate exceed 2m above the lowest point of the floor surface in Cell 2.

Landfill Capping

O5.13 The landfill cells shall be final capped in accordance with the Landfill Capping Programme, Jacks Gully Waste and Recycling Centre October 2006 (revised Dec 2006)

Odour Management Plan for Landfill Gas Extraction Systems

O5.14 The licensee must carry out works outlined and in accordance with the document titled "Odour Management Plan for Landfill Gas Extraction Systems" provided with the letter received from Waste Service NSW dated 28 June 2002.

Landfill Closure Plan

O5.15 The licensee must prepare and submit to the EPA, within twelve 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.

O6 Other operating conditions

Surface Water and Leachate Management

O6.1 The landfill surface must be contoured to prevent the run-on and ponding of surface waters onto areas where waste has been landfilled.

O6.2 Surface waters must be diverted away from any area where waste is being or has been landfilled.

O6.3 The licensee must install and maintain a 300mm bund to encircle the active tipping face.

O6.4 All liquid contained in the bund which encircles the active tipping face must be managed in the same manner as leachate.

Leachate is defined as water which has come into contact with waste (other than VENM).

All liquids that come into contact with the alternative daily cover trial material shall be treated as leachate.

Bunding of Chemicals

O6.5 Chemicals which have been collected in conjunction with a "Household Chemical Collection Program" must be stored in a secure and bunded location within the premises pending the lawful disposal or recycling of these chemicals.

Environment Protection Licence

Licence - 5105



Fire Risk Management

- O6.6 All operations and activities occurring at the premises must be carried out in a manner that will prevent and minimise the risk of fire at the premises.

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:

M2.2 Air Monitoring Requirements

POINT 9,10,11,12

Pollutant	Units of measure	Frequency	Sampling Method
Methane	percent by volume	Quarterly	Special Method 1

M2.3 Water and/ or Land Monitoring Requirements

POINT 1,2,3,5,6,7,8

Environment Protection Licence

Licence - 5105



Pollutant	Units of measure	Frequency	Sampling Method
Alkalinity (as calcium carbonate)	milligrams per litre	Quarterly	Grab sample
Aluminium	milligrams per litre	Yearly	Grab sample
Arsenic	milligrams per litre	Yearly	Grab sample
Barium	milligrams per litre	Yearly	Grab sample
Benzene	milligrams per litre	Yearly	Grab sample
Cadmium	milligrams per litre	Yearly	Grab sample
Calcium	milligrams per litre	Quarterly	Grab sample
Chloride	milligrams per litre	Quarterly	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
Copper	milligrams per litre	Yearly	Grab sample
Ethyl benzene	milligrams per litre	Yearly	Grab sample
Fluoride	milligrams per litre	Yearly	Grab sample
Lead	milligrams per litre	Yearly	Grab sample
Magnesium	milligrams per litre	Quarterly	Grab sample
Manganese	milligrams per litre	Yearly	Grab sample
Mercury	milligrams per litre	Yearly	Grab sample
Nitrate	milligrams per litre	Yearly	Grab sample
Nitrite	milligrams per litre	Yearly	Grab sample
Nitrogen (ammonia)	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
Polycyclic aromatic hydrocarbons	milligrams per litre	Yearly	Grab sample
Potassium	milligrams per litre	Quarterly	Grab sample
Sodium	milligrams per litre	Quarterly	Grab sample
Standing Water Level	metres	Quarterly	In situ
Sulfate	milligrams per litre	Quarterly	Grab sample
Toluene	milligrams per litre	Yearly	Grab sample
Total dissolved solids	milligrams per litre	Quarterly	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
Xylene	milligrams per litre	Yearly	Grab sample
Zinc	milligrams per litre	Yearly	Grab sample

POINT 14

Environment Protection Licence

Licence - 5105



Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	millisiemens per centimetre	Quarterly	A probe designed to measure the range 0 to 10,000 uS/cm
Nitrogen (ammonia)	milligrams per litre	Quarterly	Grab sample
pH	pH	Quarterly	Grab sample
Total suspended solids	milligrams per litre	Quarterly	Grab sample

- M2.4 For the purposes of the above table, Special Method 1 means methane monitoring must be performed on the gas within the landfill subsurface gas monitoring wells before any admixture or air into that well, and in accordance with AS/NZS 61779.3:2000 Electrical apparatus for the detection and measurements of flammable gases – Performance requirements for Group 1 apparatus indicating a volume fraction up to 5 percent methane in air.

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:
- any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
 - 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
 - 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 Weather monitoring

- M4.1 The licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1. The licensee must use the sampling method, units of measure, averaging period and sample at the frequency, specified opposite in the other columns.

Parameter	Units of Measure	Frequency	Averaging Period	Sampling Method
Rainfall	mm	Continuous	1 hour	AM-4

Environment Protection Licence

Licence - 5105



Wind speed @ 10 metres	m/s	Continuous	15 minute	AM-2 & AM-4
Wind direction @ 10 metres	degrees	Continuous	15 minute	AM-2 & AM-4
Temperature	C	Continuous	15 minute	AM-2 & AM-4
Sigma theta @ 10 metres	degrees	Continuous	15 minute	AM-2 & AM-4
Solar radiation	W/m2	Continuous	15 minute	AM-2 & AM-4
Additional requirements -Siting -Measurement				AM-1 & AM-4 AM-2 & AM-4

M5 Recording of pollution complaints

- M5.1 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.
- M5.2 The record must include details of the following:
- the date and time of the complaint;
 - the method by which the complaint was made;
 - any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
 - the nature of the complaint;
 - the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
 - if no action was taken by the licensee, the reasons why no action was taken.
- M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.
- M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M6 Telephone complaints line

- M6.1 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.
- M6.2 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.
- M6.3 The preceding two conditions do not apply until 3 months after:
- the date of the issue of this licence or
 - if this licence is a replacement licence within the meaning of the Protection of the Environment Operations (Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation.

Environment Protection Licence

Licence - 5105



M7 Other monitoring and recording conditions

M7.1 The licensee must record the following data in relation to fires occurring at the premises:

- a) time and date when the fire started;
- b) whether the fire was authorised by the licensee, and, if not, the circumstances which ignited the fire;
- c) the time and date that the fire burnt out or was extinguished;
- d) the location of the fire (e.g. clean timber stockpile, putrescible garbage cell, etc);
- e) prevailing weather conditions at the time of the fire;
- f) observations made in regard to smoke direction and dispersion;
- g) the amount of waste that was combusted by the fire; and
- h) action taken to prevent a reoccurrence.

M7.2 The licensee must monitor methane quarterly on the surface of capped areas in accordance with benchmark technique 17 of the EPA's Environmental Guidelines: Solid Waste Landfills 1996.

M7.3 The licensee must monitor and record details of any leachate discharges from the premises to surface waters.

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:

- a) a Statement of Compliance; and
- b) a Monitoring and Complaints Summary.

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:

- 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 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').

Environment Protection Licence

Licence - 5105



- 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 Statement 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.
- R1.8 A person who has been given written approval to certify a certificate of compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review of this licence.

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,
- 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

Environment Protection Licence

Licence - 5105



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.

R4 Other reporting conditions

R4.1 If methane is detected at concentrations above 500ppm on the surface of capped areas of the premises, the licensee must submit a report to the EPA which proposes actions to collect and oxidise the escaping gas.

R4.2 The licensee must notify the details of the occurrence of all fires on the premises to the EPA in accordance with condition R2.1 and R2.2 as soon as practical after becoming aware of the fire.

R4.3 In the event that monitoring detects ammonia in groundwater at a concentration above 10 mg/L in any of the points 1, 2, 3, 5, 6, 7 and 8 the licensee must send written notification to the Manager Sydney Waste within 14 days of the monitoring results becoming available.

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.

8 Special Conditions

E1 Alternative Daily Cover Trial

E1.1 The licensee shall conduct a trial into the use of alternative daily cover (ADC) material sourced from the Kemps Creek SAWT in accordance with the SITA July 2011 "Trial Proposal for the Use of Alternative Daily Cover Material (ADC) at Spring Farm Advanced Resource Recovery Park" and the amendments detailed in the OEH correspondence DOC11/43753.

Environment Protection Licence

Licence - 5105



The Trial shall commence on the 1 March 2013 and conclude within twelve months of this date.

The Licensee shall submit a Report following the completion of the Trial within one month of its completion.

E2 Financial Assurance

E2.1 (a) A financial assurance in the form of an unconditional and irrevocable and on demand guarantee from a bank, building society or credit union operating in Australia as “Authorised Deposit-taking Institutions” under the Banking Act 1959 of the Commonwealth of Australia and supervised by the Australian Prudential Regulatory Authority (APRA) must be provided to the EPA by **30 September 2011**. The financial assurance must be in favour of the EPA in the amount of six hundred thousand dollars (**\$600,000**). The financial assurance is required to secure or guarantee funding for works or programs required by or under this licence. The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person.

(b) A financial assurance in the form of an unconditional and irrevocable and on demand guarantee from a bank, building society or credit union operating in Australia as “Authorised Deposit-taking Institutions” under the Banking Act 1959 of the Commonwealth of Australia and supervised by the Australian Prudential Regulatory Authority (APRA) must be provided to the EPA by **30 September 2012**. The financial assurance must be in favour of the EPA for a total amount to be held by the EPA of one million and two hundred thousand dollars (**\$1,200,000**). The financial assurance is required to secure or guarantee funding for works or programs required by or under this licence. The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person.

Note that this total financial assurance is inclusive of that required in E1.1a)

(c) A financial assurance in the form of an unconditional and irrevocable and on demand guarantee from a bank, building society or credit union operating in Australia as “Authorised Deposit-taking Institutions” under the Banking Act 1959 of the Commonwealth of Australia and supervised by the Australian Prudential Regulatory Authority (APRA) must be provided to the EPA by **30 September 2013**. The financial assurance must be in favour of the EPA for a total amount to be held by the EPA of one million and eight hundred thousand dollars (**\$1,800,000**). The financial assurance is required to secure or guarantee funding for works or programs required by or under this licence. The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person.

Note that this total financial assurance is inclusive of that required in E1.1a) and E1.1b).

(d) The licensee must provide to the EPA, along with the original counterpart guarantee, confirmation in writing that the financial institution providing the guarantee is subject to supervision by the Australian Prudential Regulatory Authority (APRA).

E2.2 The financial assurance must be maintained during the operation of the facility and thereafter until such time as the EPA is satisfied the premises is environmentally secure.

E2.3 The financial assurance must be replenished by the full amount claimed or realised if the EPA has claimed on or realised the financial assurance or any part of it to undertake a work or program required to be carried out by the licence which has not been undertaken by the licence holder.

E2.4 The EPA may require an increase in the amount of the financial assurance at any time as a result of reassessment of the total likely costs and expenses of rehabilitation of the premises.

Environment Protection Licence

Licence - 5105



E2.5 The licensee must provide to the EPA the original counterpart guarantee within five working days of the issue of:

- a) the financial assurance required by conditions E3.1, or
- b) the adjusted financial assurance as required by condition E3.3 and E3.4

E3 Environmental Obligations of Licensee (Works and Programs)

E3.1 While the licensee's premises are being used for the purpose to which the licence relates, the licensee must:

- a) Clean up any spill, leak or other discharge of any waste(s) or other material(s) as soon as practicable after it becomes known to the licensee or to one of the licensee's employees or agents.
- b) In the event(s) that any liquid and non-liquid waste(s) is unlawfully deposited on the premises, such waste(s) must be removed and lawfully disposed of as soon as practicable or in accordance with any direction given by the EPA.
- c) Provide all monitoring data as required by the conditions of this licence or as directed by the EPA.

E3.2 In the event of an earthquake, storm, fire, flood or any other event where it is reasonable to suspect that a pollution incident has occurred, is occurring or is likely to occur, the licensee (whether or not the premises continue to be used for the purposes to which the licence relates) must:

- a) make all efforts to contain all firewater on the licensee's premises,
- b) make all efforts to control air pollution from the licensee's premises,
- c) make all efforts to contain any discharge, spill or run-off from the licensee's premises,
- d) make all efforts to prevent flood water entering the licensee's premises,
- e) remediate and rehabilitate any exposed areas of soil and/or waste,
- f) lawfully dispose of all liquid and solid waste(s) stored on the premises that is not already securely disposed of,
- g) at the request of the EPA monitor groundwater beneath the licensee's premises and its potential to migrate from the licensee's premises,
- h) at the request of the EPA monitor surface water leaving the licensee's premises; and
- i) ensure the licensee's premises is secure.

E4 EPA May Claim on Financial Assurance

E4.1 The EPA may claim on a financial assurance under s303 of the POEO Act if a licensee fails to carry out any work or program required to comply with the conditions of this licence.

Environment Protection Licence

Licence - 5105



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

Environment Protection Licence

Licence - 5105



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> .

Environment Protection Licence



Licence - 5105

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

Ms Tanya Ritchie

Environment Protection Authority

(By Delegation)

Date of this edition: 02-July-2001

Environment Protection Licence

Licence - 5105



End Notes

- 1 Licence varied by notice 1018593, issued on 05-Nov-2002, which came into effect on 30-Nov-2002.
- 2 Licence varied by notice 1023674, issued on 22-Jan-2003, which came into effect on 16-Feb-2003.
- 3 Licence varied by notice 1025179, issued on 21-Feb-2003, which came into effect on 18-Mar-2003.
- 4 Licence fee period changed by notice 1026070 on 25-Mar-2003.
- 5 Licence varied by notice 1026533, issued on 23-Jan-2004, which came into effect on 17-Feb-2004.
- 6 Licence varied by notice 1036729, issued on 03-May-2004, which came into effect on 05-May-2004.
- 7 Licence varied by notice 1041739, issued on 25-Oct-2004, which came into effect on 01-Nov-2004.
- 8 Licence varied by notice 1048096, issued on 04-Oct-2005, which came into effect on 29-Oct-2005.
- 9 Licence varied by notice 1064045, issued on 17-Aug-2006, which came into effect on 17-Aug-2006.
- 10 Licence varied by notice 1067138, issued on 03-May-2007, which came into effect on 03-May-2007.
- 11 Licence varied by notice 1084000, issued on 26-Mar-2008, which came into effect on 26-Mar-2008.
- 12 Licence varied by notice 1087575, issued on 21-May-2008, which came into effect on 21-May-2008.
- 13 Licence varied by notice 1090744, issued on 23-Sep-2008, which came into effect on 23-Sep-2008.
- 14 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 15 Licence varied by notice 1095402, issued on 19-Dec-2008, which came into effect on 19-Dec-2008.
- 16 Licence varied by notice 1109060, issued on 23-Dec-2009, which came into effect on 23-Dec-2009.
- 17 Licence varied by notice 1113591, issued on 06-Jul-2010, which came into effect on 06-Jul-2010.
- 18 Licence varied by correction to DECCW Region data record, issued on 07-Jul-2010, which came into effect on 07-Jul-2010.

Environment Protection Licence

Licence - 5105



19	Licence varied by notice 1117834, issued on 27-Jul-2010, which came into effect on 27-Jul-2010.
20	Licence varied by notice 1119455, issued on 15-Sep-2010, which came into effect on 15-Sep-2010.
21	Licence varied by notice 1120828, issued on 10-Nov-2010, which came into effect on 10-Nov-2010.
22	Licence varied by notice 1122579, issued on 09-Dec-2010, which came into effect on 09-Dec-2010.
23	Licence transferred through application 146429, approved on 01-Mar-2011, which came into effect on 01-Mar-2011.
24	Licence varied by notice 1126923, issued on 13-Jul-2011, which came into effect on 13-Jul-2011.
25	Licence varied by notice 1501771 issued on 14-Oct-2011
26	Licence varied by notice 1507792 issued on 11-Sep-2012
27	Licence varied by notice 1512832 issued on 20-Mar-2013