

# Environment Protection Licence



Licence - 4627

| Licence Details   |             |
|-------------------|-------------|
| Number:           | 4627        |
| Anniversary Date: | 01-December |

| Licensee                    |
|-----------------------------|
| ROADS AND MARITIME SERVICES |
| LOCKED BAG 928              |
| NORTH SYDNEY NSW 2059       |

| Premises            |
|---------------------|
| ALEXANDRIA LANDFILL |
| 10 ALBERT STREET    |
| ST PETERS NSW 2044  |

| Scheduled Activity                   |
|--------------------------------------|
| Waste Disposal (application to land) |

| Fee Based Activity                    | Scale               |
|---------------------------------------|---------------------|
| Waste disposal by application to land | Any annual capacity |

| Region                               |
|--------------------------------------|
| Waste & Resources - Waste Management |
| 59-61 Goulburn Street                |
| SYDNEY NSW 2000                      |
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| NSW 1232                             |

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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:

|                             |
|-----------------------------|
| ROADS AND MARITIME SERVICES |
| LOCKED BAG 928              |
| NORTH SYDNEY NSW 2059       |

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               |
|--------------------------------------|---------------------------------------|---------------------|
| Waste Disposal (application to land) | Waste disposal by application to land | Any annual capacity |

### A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

| Premises Details  |
|---|
| ALEXANDRIA LANDFILL   |
| 10 ALBERT STREET  |
| ST PETERS   |
| NSW 2044  |
| LOT 100 DP 845651, PART LOT 11 DP 1013168   |
| AS SHOWN AS "LANDFILL PREMISES" ON APPROVED SURVEY PLAN AS BEING USED FOR THE SCHEDULED ACTIVITIES AUTHORISED BY THIS LICENCE. NOTE: DEFINITIONS OF APPROVED SURVEY PLANS IN CONDITION E3 |

A2.2 The Licensee may vary the area of premises that are subject to this licence and upon which scheduled activities authorised by this licence are carried out by lodging with the EPA an application for variation under section 58 of the Act of the area of the premises together with a Survey Plan.

Note: Licence 12594 does not apply to the area of Lot 11 DP 1013168 and Lot 100 DP 845651 used for the scheduled activities authorised by this licence as shown on the Approved Survey Plan.

### 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:  
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

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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 The following documents (and any future amendments to them) are not to be taken as part of the documentation in A4.1, other than those parts specifically referenced in this licence.

A3.3 a) Albert Street Disposal Depot Landfill Environmental management Plan, dated December 1997;

b) Alexandria Landfill Site Revised Surface Water & Leachate Management Plan dated September 2004, prepared by Ian Grey Groundwater Consulting Pty Limited dated September 2004 (Report ID AJ001/Rp003 Rev D). An updated Figure 2 emailed to the DEC on 1 June 2005 from Ian Grey Groundwater Consulting Pty Limited.

Note: For the purposes of this licence the abbreviation "LEMP" is defined as the document titled Albert Street Disposal Depot Landfill Environmental Management Plan dated December 1997.

## 2 Discharges to Air and Water and Applications to Land

### P1 Location of monitoring/discharge points and areas

P1.1 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.

P1.2 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.

#### *Water and land*

| EPA Identification no. | Type of Monitoring Point       | Type of Discharge Point | Location Description  |
|------------------------|--------------------------------|-------------------------|---|
| 2                      | Groundwater quality monitoring |                         | Groundwater monitoring bore as labelled as "MW01" on map titled "Figure 5: Leachate & Groundwater Management Features" contained in the report titled "Alexandria Landfill Site Revised Surface Water & Leachate Management Plan September 2004"  |
| 3                      | Groundwater quality monitoring |                         | Groundwater monitoring bore as labelled as "MW02s" on map titled "Figure 5: Leachate & Groundwater Management Features" contained in the report titled "Alexandria Landfill Site Revised Surface Water & Leachate Management Plan September 2004" |

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|   |                                |   |
|---|--------------------------------|---|
| 4 | Groundwater quality monitoring | Groundwater monitoring bore as labelled as "MW02d" on map titled "Figure 5: Leachate & Groundwater Management Features" contained in the report titled "Alexandria Landfill Site Revised Surface Water & Leachate Management Plan September 2004" |
| 5 | Groundwater quality monitoring | Groundwater monitoring bore as labelled as "MW03" on map titled "Figure 5: Leachate & Groundwater Management Features" contained in the report titled "Alexandria Landfill Site Revised Surface Water & Leachate Management Plan September 2004"  |
| 6 | Groundwater quality monitoring | Groundwater monitoring bore as labelled as "MW04b" on map titled "Figure 5: Leachate & Groundwater Management Features" contained in the report titled "Alexandria Landfill Site Revised Surface Water & Leachate Management Plan September 2004" |
| 7 | Leachate quality monitoring    | Leachate sump as labelled as "Leachate Sump" on map titled "Figure 1: Site Layout" contained in the report titled "Alexandria Landfill Site Revised Surface Water & Leachate Management Plan September 2004"                                      |

## 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 Waste

- L2.1 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.



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| Code | Waste                                 | Description | Activity | Other Limits  |
|------|---------------------------------------|-------------|----------|---|
| NA   | General solid waste (non-putrescible) |             |          | No garden and wood waste is to be accepted at the Premises. |
| NA   | Waste tyres                           |             |          | NA  |
| NA   | Asbestos waste                        |             |          | NA  |
| NA   | Waste                                 |             |          | NA  |

- L2.2 The licensee must not dispose of any tyres on the premises which;
- a) have a diameter of less than 1.2 metres; and
  - b) are delivered at the premises in a load containing more than 5 whole tyres; and
  - c) became waste in the Sydney Metropolitan Area.

- L2.3 Tyres stockpiled on the premises must:
- a) not exceed fifty (50) tonnes of tyres at any one time; and
  - b) be located in a clearly defined area away from the tipping face; and
  - c) be managed to control vermin; and
  - d) be managed to prevent any tyres from catching fire.

## L3 Noise limits

- L3.1 Noise from the premises must not exceed an LA10 (15 minute) noise emission criterion of 50 dB(A), except as expressly provided by this licence.

## L4 Potentially offensive odour

- L4.1 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.
- 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.

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## 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

Note: The EPA would vary condition O6.4 to permit the water to be managed as stormwater provided the licensee provides evidence to demonstrate that the water does not contain leachate.

- O4.1 The licensee must take all practicable steps to control entry to the premises.

## O5 Waste management

- O5.1 There must be no incineration or burning of any waste at the premises.
- O5.2 The licensee must fill and cap quadrants B, then C (as shown in map titled "Figure 1: Site Layout" contained in the report titled "Alexandria Landfill Site Revised Surface Water & Leachate Management Plan" dated September 2004). No landfilling of waste must occur in more than one quadrant at any time.
- O5.3 The licensee must not commence landfilling in quadrant C until capping works for quadrants A and B are approved by the EPA.
- O5.4 Cover material must be :
- a) Daily cover
- Daily cover material must be either:
- i) virgin excavated natural material, or
  - ii) approved alternative daily cover.

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 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

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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 tipping face.

- O5.5 d) The licensee may conduct a trial using timber cover plates as alternative daily cover.
- e) The licensee must inform the EPA in writing of the date the trial commences and carry out the trial for a period of 6 months from the date of commencement, unless the trial is abandoned by the licensee. The trial may commence anytime after 2 July 2007 and must end by 31 January 2008.
- f) The timber cover plates may only be used as alternative daily cover according to the terms and conditions outlined in the EPA's letter dated 4 December 2006 (EPA ref DOC06/57269) and the letter dated 17 November 2006 prepared by The Odour Unit to the licensee titled "Revised Proposal for Odour Emissions Study Trial of Current and Alternative Day Covers for Landfill Operations at Alexandria Landfill".
- g) The licensee must inform the EPA in writing the dates that odour monitoring will be undertaken with at least 24 hours prior notice.
- O5.6 For the purposes of condition O5.1(a (ii)) the approved alternative daily cover is to be a combination of virgin excavated natural material and crushed bricks/concrete at a minimum ratio of 1:3 and be in accordance with specifications outlined within EPA correspondence dated 23 September 2005.
- O5.7 The proposed alternative daily cover trial set out in condition O5.1 (d) – (g) inclusive is suspended until further notice in writing from the DEC.
- O5.8 Landfilled waste which has been covered by daily cover must not be exhumed, except for:
- a) fire fighting reasons; or
  - b) written approval from the EPA is obtained.
- O5.9 Leachate must only be disposed of by pumping to sewer, or removed from the premises by tanker and disposed of lawfully off-site.
- O5.10 The licensee must not cause or permit any leachate to pool in any area above the tipping face.
- O5.11 All water contained within the bunded tipping face area must be managed as leachate.
- O5.12 Leachate must not be used in the truck wash facility at the premises.
- O5.13 Leachate must not be irrigated and/or used for dust control at the premises.
- O5.14 Definition:
- "Leachate" is water which has come into contact with:
- a) waste (other than inert waste); and/or
  - b) the tipping face; and/or
  - c) the greenwaste processing/storage areas.

"Leachate" is also liquid removed from the leachate collection system

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“Leachate” is a reference to treated or untreated leachate.

“Treated leachate” is leachate that has been treated in the leachate pre-treatment facility required under the Sydney Water Trade Waste Agreement.

All other leachate on the premises is untreated leachate.

O5.15 The licensee must maintain the level of the leachate below -16.0 metres AHD and at least 0.5 metres below the standing water level.

O5.16 The licensee must measure the level of leachate daily, prior to pumping from the leachate sump.

O5.17 The licensee must take immediate action if methane concentrations levels exceed 500 parts per million (ppm) in any wood waste stockpile at the premises, by aerating the stockpiles to lower the methane concentrations to less than 500 ppm.

“Wood waste” is any unprocessed timber or greenwaste and any processed timber and greenwaste.

O5.18 All asbestos waste must be disposed of at the Premises in accordance with the document titled 'Filling Plan' dated May 2012 prepared by Genesis and correspondence from the Licensee dated 21 June 2012 titled 'Alexandria Landfill Pty Ltd, Disposal of Asbestos Waste EPL 4627'.

O5.19 All asbestos waste must be covered immediately to a depth of at least 0.15 metre and at the end of each day's operation, to a depth of at least 0.5 metre as per the requirements of clause 42 of the *Protection of the Environment Operations* (Waste Regulation) 2005.

## O6 Other operating conditions

O6.1 The tipping face must be surrounded with a 300mm high impermeable bund which will prevent stormwater from flowing across the tipping face.

O6.2 Any stormwater which comes into contact with waste (other than inert waste), the tip face and/or the greenwaste areas must be managed in the same manner as leachate.

O6.3 Stormwater run-off from quadrant A and C must not enter quadrant B, unless otherwise approved by the EPA.

O6.4 The licensee must treat the liquid in the stormwater pond in quadrant C as leachate.

## 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.

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- 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 Water and/ or Land Monitoring Requirements

#### POINT 2,3,4,5,6

| 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     |
| Bicarbonate                       | milligrams per litre | Quarterly | 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     |

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|                                  |                      |           |             |
|----------------------------------|----------------------|-----------|-------------|
| 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 | Probe       |
| 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 | Yearly    | 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 7

| Pollutant                         | Units of measure     | Frequency | Sampling Method |
|-----------------------------------|----------------------|-----------|-----------------|
| Alkalinity (as calcium carbonate) | milligrams per litre | Quarterly | Grab sample     |
| Aluminium                         | milligrams per litre | Quarterly | Grab sample     |
| Arsenic                           | milligrams per litre | Quarterly | Grab sample     |
| Barium                            | milligrams per litre | Quarterly | Grab sample     |
| Benzene                           | milligrams per litre | Quarterly | Grab sample     |
| Bicarbonate                       | milligrams per litre | Quarterly | Grab sample     |
| Cadmium                           | milligrams per litre | Quarterly | Grab sample     |
| Calcium                           | milligrams per litre | Quarterly | Grab sample     |
| Chloride                          | milligrams per litre | Quarterly | Grab sample     |
| Chromium (hexavalent)             | milligrams per litre | Quarterly | Grab sample     |
| Chromium (total)                  | milligrams per litre | Quarterly | Grab sample     |
| Cobalt                            | milligrams per litre | Quarterly | Grab sample     |
| Copper                            | milligrams per litre | Quarterly | Grab sample     |
| Ethyl benzene                     | milligrams per litre | Quarterly | Grab sample     |
| Fluoride                          | milligrams per litre | Quarterly | Grab sample     |
| Lead                              | milligrams per litre | Quarterly | Grab sample     |
| Magnesium                         | milligrams per litre | Quarterly | Grab sample     |
| Manganese                         | milligrams per litre | Quarterly | Grab sample     |
| Mercury                           | milligrams per litre | Quarterly | Grab sample     |

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|                                  |                      |           |             |
|----------------------------------|----------------------|-----------|-------------|
| Nitrate                          | milligrams per litre | Quarterly | Grab sample |
| Nitrite                          | milligrams per litre | Quarterly | Grab sample |
| Nitrogen (ammonia)               | milligrams per litre | Quarterly | Grab sample |
| Organochlorine pesticides        | milligrams per litre | Quarterly | Grab sample |
| Organophosphate pesticides       | milligrams per litre | Quarterly | Grab sample |
| pH                               | pH                   | Quarterly | Probe       |
| Polycyclic aromatic hydrocarbons | milligrams per litre | Quarterly | 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 | Quarterly | 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 | Quarterly | Grab sample |
| Total Phenolics                  | milligrams per litre | Quarterly | Grab sample |
| Xylene                           | milligrams per litre | Quarterly | Grab sample |
| Zinc                             | milligrams per litre | Quarterly | Grab sample |

## M3 Testing methods - concentration limits

- M3.1 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.

## 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.

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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.

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 Other monitoring and recording conditions**

M6.1 The licensee must monitor the concentration of methane within all stockpiled materials which contains wood waste located over landfilled waste at the premises. The monitoring must be undertaken at least every 3 months and 5 readings must be taken at a depth of at least 50 cm into each stockpile at a height of no more than 1 metre off the surface of the landfilled waste. The monitoring results, including sampling locations and date of sampling, analysis results and instrument details (including its calibration) must be recorded by the licensee. The instrument to monitor methane must be capable of measuring methane at concentrations as low as 500 ppm.

## **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.



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- 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').
- 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.

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.
- R2.3 The licensee must notify the DEC as soon as practicable and in any case within 48 hours after it becomes aware of methane concentrations in any wood waste stockpiles exceeding 12,500ppm.

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.

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- 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.

## R4 Other reporting conditions

- R4.1
- R4.2 The licensee must advise the DEC of the actions it will take to dispose of leachate in compliance with the conditions of this licence, in the event that it no longer has an agreement with Sydney Water to dispose of up to 792 kL/day of treated leachate to sewer.
- This advice must be provided to the DEC in writing within 7 days of the licensee no longer having access to dispose of treated leachate to sewer.
- R4.3 The licensee must notify the DEC as soon as practicable and in any case within 48 hours after it becomes aware that the leachate levels in the riser goes above -16.0 metres AHD and/or less than 0.5 metres to the standing groundwater level.
- R4.4 The licensee must provide to the DEC each quarter, copies of a written log used to record the leachate levels in the sump.

## 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.

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- G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

## 8 Pollution Studies and Reduction Programs

### U1 Improvements to design of active cell

- U1.1 By 16 August 2012 the licensee must install the leachate drainage system (leachate sump, interception drain and injection trench) in accordance with the document titled 'Filling Plan' dated May 2012 prepared by Genesis.

Within two weeks of installing the leachate drainage system the licensee must submit to the EPA as built design drawings.

## 9 Special Conditions

### E1 Definitions

- E1.1 Approved Survey Plan means a plan showing a survey carried out by a registered surveyor of the land comprising Lot 11 DP 1013168 and Lot 100 DP 845651 and identifying the land to be used for scheduled activities authorised by this licence and also the remainder area of land to be used for the scheduled activities authorised by Licence No. 12594 and the location of the significant physical barrier between those two areas of land, being the plan titled "Alexandria Landfill" (Reference No. 250038) dated January 2009 and lodged with the EPA on 20 February 2009 being the most recent such plan lodged under condition A2.2 and approved as a variation under section 58 of the Act by the EPA.
- E1.2 Survey Plan means a plan showing a survey carried out by a registered surveyor of the land comprising Lot 11 DP 1013168 and Lot 100 DP 845651 and identifying the land to be used for scheduled activities authorised by this licence and also the remainder area of land to be used for the scheduled activities authorised by licence 12594 and the location of the significant physical barrier between those two areas of land.

### E2 Financial assurance

- E2.1 A financial assurance, in favour of the Environment Protection Authority (EPA), in the form of an irrevocable and unconditional guarantee from a bank, building society or credit union must be maintained as follows;
- a) By 25 June 2007, the licensee must provide to the EPA a financial assurance in the amount of four hundred thousand dollars (\$400,000);
- b) By 1 June 2008, the licensee must provide to the EPA an additional financial assurance in the amount of two hundred and ten thousand dollars (\$210,000);
- c) By 1 June 2009, the licensee must provide to the EPA an additional financial assurance in the amount

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of two hundred and ten thousand dollars (\$210,000).

The above assurances must be replenished to the full amount should the EPA have any reason to call up the financial assurance or any part thereof to correct environmental problems which have not been remedied by the occupier upon being given notice to do so.

## **E3 Survey plan**

E3.1 The licensee shall by no later than 1 February each year during the currency of this licence provide to the EPA a new survey plan.

Note: Definition of survey plan is provided in condition E3.

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## Dictionary

### General Dictionary

|  |  |
|--|--|
| <b>3DGM [in relation to a concentration limit]</b> | 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 |
| <b>Act</b>   | Means the Protection of the Environment Operations Act 1997  |
| <b>activity</b>                                    | Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997  |
| <b>actual load</b>                                 | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>AM</b>  | 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> .   |
| <b>AMG</b>   | Australian Map Grid  |
| <b>anniversary date</b>                            | 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.                            |
| <b>annual return</b>                               | Is defined in R1.1   |
| <b>Approved Methods Publication</b>                | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>assessable pollutants</b>                       | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>BOD</b>   | Means biochemical oxygen demand  |
| <b>CEM</b>   | 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> .  |
| <b>COD</b>   | Means chemical oxygen demand   |
| <b>composite sample</b>                            | 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.   |
| <b>cond.</b>                                       | Means conductivity   |
| <b>environment</b>                                 | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>environment protection legislation</b>          | Has the same meaning as in the Protection of the Environment Administration Act 1991   |
| <b>EPA</b>   | Means Environment Protection Authority of New South Wales.   |
| <b>fee-based activity classification</b>           | Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.   |
| <b>general solid waste (non-putrescible)</b>       | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |

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|  |  |
|--|--|
| <b>flow weighted composite sample</b>                                | Means a sample whose composites are sized in proportion to the flow at each composites time of collection.   |
| <b>general solid waste (putrescible)</b>                             | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>grab sample</b>   | Means a single sample taken at a point at a single time  |
| <b>hazardous waste</b>   | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>licensee</b>  | Means the licence holder described at the front of this licence  |
| <b>load calculation protocol</b>                                     | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>local authority</b>   | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>material harm</b>   | Has the same meaning as in section 147 Protection of the Environment Operations Act 1997   |
| <b>MBAS</b>  | Means methylene blue active substances   |
| <b>Minister</b>  | Means the Minister administering the Protection of the Environment Operations Act 1997   |
| <b>mobile plant</b>  | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>motor vehicle</b>   | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>O&amp;G</b>   | Means oil and grease   |
| <b>percentile [in relation to a concentration limit of a sample]</b> | 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.   |
| <b>plant</b>   | Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.  |
| <b>pollution of waters [or water pollution]</b>                      | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>premises</b>  | Means the premises described in condition A2.1   |
| <b>public authority</b>  | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>regional office</b>   | Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence   |
| <b>reporting period</b>  | 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. |
| <b>restricted solid waste</b>  | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>scheduled activity</b>  | Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997  |
| <b>special waste</b>   | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>TM</b>  | 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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|                         |   |
|-------------------------|---|
| <b>TSP</b>              | Means total suspended particles   |
| <b>TSS</b>              | Means total suspended solids  |
| <b>Type 1 substance</b> | Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements                               |
| <b>Type 2 substance</b> | Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements |
| <b>utilisation area</b> | Means any area shown as a utilisation area on a map submitted with the application for this licence   |
| <b>waste</b>            | Has the same meaning as in the Protection of the Environment Operations Act 1997  |
| <b>waste type</b>       | Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste    |

Mr Bernie Weir

Environment Protection Authority

(By Delegation)

Date of this edition: 15-January-2001

# Environment Protection Licence

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## End Notes

- 1 Licence transferred through application 140516, approved on 18-Jun-2001, which came into effect on 01-Dec-2000.
- 2 Licence varied by change to Common Name field, issued on 16-Jan-2002, which came into effect on 16-Jan-2002.
- 3 Licence transferred through application 140976, approved on 25-Jan-2002, which came into effect on 23-Jan-2002.
- 4 Licence varied by correction of File Number , issued on 04-Apr-2002, which came into effect on 04-Apr-2002.
- 5 Licence varied by notice 1024148, issued on 07-Jan-2003, which came into effect on 07-Jan-2003.
- 6 Licence varied by notice 1028703, issued on 04-Jul-2003, which came into effect on 29-Jul-2003.
- 7 Licence varied by notice 1040317, issued on 02-Sep-2004, which came into effect on 27-Sep-2004.
- 8 Licence varied by notice 1041133, issued on 29-Sep-2004, which came into effect on 24-Oct-2004.
- 9 Licence varied by notice 1042998, issued on 30-Sep-2005, which came into effect on 04-Oct-2005.
- 10 Licence varied by notice 1057971, issued on 31-Mar-2006, which came into effect on 25-Apr-2006.
- 11 Licence varied by notice 1061862, issued on 02-Nov-2006, which came into effect on 02-Nov-2006.
- 12 Licence varied by notice 1067504, issued on 04-Dec-2006, which came into effect on 04-Dec-2006.
- 13 Licence varied by notice 1068196, issued on 21-Jun-2007, which came into effect on 21-Jun-2007.
- 14 Licence varied by notice 1093194, issued on 31-Oct-2008, which came into effect on 31-Oct-2008.
- 15 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 16 Licence varied by notice 1099148, issued on 30-Mar-2009, which came into effect on 30-Mar-2009.
- 17 Licence varied by Correction to EPA Region data record., issued on 25-Jun-2010, which came into effect on 25-Jun-2010.
- 18 Licence varied by correction to DECCW Region data record, issued on 07-Jul-2010, which came into effect on 07-Jul-2010.



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|    |   |
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| 19 | Licence varied by notice 1507165 issued on 03-Aug-2012  |
| 20 | Licence transferred through application 1529361 approved on 23-Mar-2015 , which came into effect on 23-Mar-2015 |
| 21 | Licence transferred through application 1535067 approved on 27-Oct-2015 , which came into effect on 14-Oct-2015 |